

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M57	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 Product name: Rat GRO/KC (CXCL1) Mini ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat GRO/KC (CXCL1), Biotinylated Rabbit Anti-Rat GRO/KC (CXCL1), Recombinant Rat GRO/KC (CXCL1), and Avidin-HRP Conjugate.
- 1.2 Catalog # / Part number: 900-M57**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Алматы (7273)495-231
 Ангарск (3955)60-70-56
 Архангельск (8182)63-90-72
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Благовещенск (4162)22-76-07
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Владикавказ (8672)28-90-48
 Владимир (4922)49-43-18
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89
 Россия +7(495)268-04-70

Иваново (4932)77-34-06
 Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Коломна (4966)23-41-49
 Кострома (4942)77-07-48
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Курган (3522)50-90-47
 Липецк (4742)52-20-81
 Казахстан +7(7172)727-132

Магнитогорск (3519)55-03-13
 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41
 Нижний Новгород (831)429-08-12
 Новокузнецк (3843)20-46-81
 Ноябрьск (3496)41-32-12
 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16
 Петрозаводск (8142)55-98-37
 Псков (8112)59-10-37
 Пермь (342)205-81-47
 Киргизия +996(312)96-26-47

Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Саранск (8342)22-96-24
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13
 Сургут (3462)77-98-35
 Сыктывкар (8212)25-95-17
 Тамбов (4752)50-40-97
 Тверь (4822)63-31-35

Тольятти (8482)63-91-07
 Томск (3822)98-41-53
 Тула (4872)33-79-87
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Улан-Удэ (3012)59-97-51
 Уфа (347)229-48-12
 Хабаровск (4212)92-98-04
 Чебоксары (8352)28-53-07
 Челябинск (351)202-03-61
 Череповец (8202)49-02-64
 Чита (3022)38-34-83
 Якутск (4112)23-90-97
 Ярославль (4852)69-52-93

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- 2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.
- 2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

- 5.1 **Classification of substance or mixture:** The product is non-flammable.
- 5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
- 6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

- 7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.
- 7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.
- 7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat CNTF Standard ABTS ELISA Development Kit
Components: Rabbit Anti-Rat CNTF, Biotinylated Rabbit Anti-Rat CNTF, Recombinant Rat CNTF, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K65

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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2.3 GHS labeling: Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 Special hazards: None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Ingredients: This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 Description of first aid measures:

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 Classification of substance or mixture: The product is non-flammable.

5.2 Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 Protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 Methods for clean up: Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 Storage: Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 Additional information: See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat CNTF Mini ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat CNTF, Biotinylated Rabbit Anti-Rat CNTF, Recombinant Rat CNTF, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-M65**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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- 2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.
- 2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

- 5.1 **Classification of substance or mixture:** The product is non-flammable.
- 5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
- 6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

- 7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.
- 7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.
- 7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

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SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat EGF Standard ABTS ELISA Development Kit
Components: Rabbit Anti-Rat EGF, Biotinylated Rabbit Anti-Rat EGF, Recombinant Rat EGF, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K390

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat EGF Mini ABTS ELISA Development Kit
Components: Rabbit Anti-Rat EGF, Biotinylated Rabbit Anti-Rat EGF, Recombinant Rat EGF, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-M390

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 **Materials to avoid:** Strong oxidizing agents
- 10.4 **Hazardous decomposition:** None determined
- 10.5 **Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 **Potential health effects:**

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity:** Undetermined
- 12.2 **Biodegradability:** Undetermined
- 12.3 **Mobility:** Undetermined
- 12.4 **Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 **Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 **Transport information:**

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K57	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat GRO/KC (CXCL1) Standard ABTS ELISA Development Kit
Components: Rabbit Anti-Rat GRO/KC (CXCL1), Biotinylated Rabbit Anti-Rat GRO/KC (CXCL1), Recombinant Rat GRO/KC (CXCL1), and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K57

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K59	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat MCP-1 (CCL2) Standard ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat MCP-1 (CCL2), Biotinylated Rabbit Anti-Rat MCP-1 (CCL2), Recombinant Rat MCP-1 (CCL2), and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-K59**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K59	Revision: D	Page 2 of 5

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K59	Revision: D	Page 4 of 5

- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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SDS Number: 25-900-K59	Revision: D	Page 5 of 5

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K72	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat RANTES (CCL5) Standard ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat RANTES (CCL5), Biotinylated Rabbit Anti-Rat RANTES (CCL5), Recombinant Rat RANTES (CCL5), and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-K72**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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- 2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.
- 2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

- 5.1 **Classification of substance or mixture:** The product is non-flammable.
- 5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
- 6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

- 7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.
- 7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.
- 7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat TNF- α Standard ABTS ELISA Development Kit
Components: Rabbit Anti-Rat TNF- α , Biotinylated Rabbit Anti-Rat TNF- α , Recombinant Rat TNF- α , and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K73

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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2.3 GHS labeling: Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 Special hazards: None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Ingredients: This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 Description of first aid measures:

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 Classification of substance or mixture: The product is non-flammable.

5.2 Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 Protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 Methods for clean up: Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 Storage: Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 Additional information: See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat MIP-1 α (CCL3) Standard ABTS ELISA Development Kit
Components: Rabbit Anti-Rat MIP-1 α (CCL3), Biotinylated Rabbit Anti-Rat MIP-1 α (CCL3), Recombinant Rat MIP-1 α (CCL3), and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K75

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat IL-6 Standard ABTS ELISA Development Kit
Components: Goat Anti-Rat IL-6, Biotinylated Goat Anti-Rat IL-6, Recombinant Rat IL-6, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K86

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K91	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat IL-1 β Standard ABTS ELISA Development Kit
Components: Rabbit Anti-Rat IL-1 β , Biotinylated Rabbit Anti-Rat IL-1 β , Recombinant Rat IL-1 β , and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K91

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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SDS Number: 25-900-K91	Revision: D	Page 2 of 5

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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SDS Number: 25-900-K91	Revision: D	Page 4 of 5

- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K91	Revision: D	Page 5 of 5

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K109	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat IFN- γ Standard ABTS ELISA Development Kit
Components: Goat Anti-Rat IFN- γ , Biotinylated Goat Anti-Rat IFN- γ , Recombinant Rat IFN- γ , and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K109

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K109	Revision: D	Page 2 of 5

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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SDS Number: 25-900-K109	Revision: D	Page 3 of 5

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K109	Revision: D	Page 4 of 5

- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K109	Revision: D	Page 5 of 5

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K204	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat IL-1 α Standard ABTS ELISA Development Kit**
Components: Goat Anti-Rat IL-1 α , Biotinylated Goat Anti-Rat IL-1 α , Recombinant Rat IL-1 α , and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-K204**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K204	Revision: D	Page 2 of 5

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K204	Revision: D	Page 3 of 5

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K204	Revision: D	Page 4 of 5

- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K204	Revision: D	Page 5 of 5

15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K205	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat IL-2 Standard ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat IL-2, Biotinylated Rabbit Anti-Rat IL-2, Recombinant Rat IL-2, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-K205**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K205	Revision: D	Page 2 of 5

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K205	Revision: D	Page 4 of 5

- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K258	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat SCF Standard ABTS ELISA Development Kit
Components: Rabbit Anti-Rat SCF, Biotinylated Rabbit Anti-Rat SCF, Recombinant Rat SCF, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K258

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K436	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat VEGF₁₆₅ Standard ABTS ELISA Development Kit
Components: Rabbit Anti-Rat VEGF₁₆₅, Biotinylated Rabbit Anti-Rat VEGF₁₆₅, Recombinant Rat VEGF₁₆₅, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-K436

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K436	Revision: D	Page 2 of 5

- 2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.
- 2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

- 5.1 **Classification of substance or mixture:** The product is non-flammable.
- 5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
- 6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

- 7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.
- 7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.
- 7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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SDS Number: 25-900-K436	Revision: D	Page 5 of 5

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K449	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat IP-10 (CXCL10) Standard ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat IP-10 (CXCL10), Biotinylated Rabbit Anti-Rat IP-10 (CXCL10), Recombinant Rat IP-10 (CXCL10), and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-K449**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K449	Revision: D	Page 2 of 5

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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SDS Number: 25-900-K449	Revision: D	Page 3 of 5

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K449	Revision: D	Page 4 of 5

- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-K449	Revision: D	Page 5 of 5

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M59	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat MCP-1 (CCL2) Mini ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat MCP-1 (CCL2), Biotinylated Rabbit Anti-Rat MCP-1 (CCL2), Recombinant Rat MCP-1 (CCL2), and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-M59**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M59	Revision: D	Page 3 of 5

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M72	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat RANTES (CCL5) Mini ABTS ELISA Development Kit
Components: Rabbit Anti-Rat RANTES (CCL5), Biotinylated Rabbit Anti-Rat RANTES (CCL5), Recombinant Rat RANTES (CCL5), and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-M72

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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- 2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.
- 2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

- 5.1 **Classification of substance or mixture:** The product is non-flammable.
- 5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
- 6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

- 7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.
- 7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.
- 7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat TNF- α Mini ABTS ELISA Development Kit
Components: Rabbit Anti-Rat TNF- α , Biotinylated Rabbit Anti-Rat TNF- α , Recombinant Rat TNF- α , and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-M73

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat IL-6 Mini ABTS ELISA Development Kit
Components: Goat Anti-Rat IL-6, Biotinylated Goat Anti-Rat IL-6, Recombinant Rat IL-6, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-M86

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M91	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat IL-1 β Mini ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat IL-1 β , Biotinylated Rabbit Anti-Rat IL-1 β , Recombinant Rat IL-1 β , and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-M91**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat IFN- γ Mini ABTS ELISA Development Kit
Components: Goat Anti-Rat IFN- γ , Biotinylated Goat Anti-Rat IFN- γ , Recombinant Rat IFN- γ , and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-M109

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M205	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name:** Rat IL-2 Mini ABTS ELISA Development Kit
Components: Rabbit Anti-Rat IL-2, Biotinylated Rabbit Anti-Rat IL-2, Recombinant Rat IL-2, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number:** 900-M205

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M258	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat SCF Mini ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat SCF, Biotinylated Rabbit Anti-Rat SCF, Recombinant Rat SCF, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-M258**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M258	Revision: D	Page 2 of 5

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M258	Revision: D	Page 3 of 5

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M258	Revision: D	Page 4 of 5

- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M258	Revision: D	Page 5 of 5

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M436	Revision: D	Page 1 of 5

1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat VEGF₁₆₅ Mini ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat VEGF₁₆₅, Biotinylated Rabbit Anti-Rat VEGF₁₆₅, Recombinant Rat VEGF₁₆₅, and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-M436**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M436	Revision: D	Page 2 of 5

2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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1.0 PRODUCT AND COMPANY INFORMATION

- 1.1 **Product name: Rat IP-10 (CXCL10) Mini ABTS ELISA Development Kit**
Components: Rabbit Anti-Rat IP-10 (CXCL10), Biotinylated Rabbit Anti-Rat IP-10 (CXCL10), Recombinant Rat IP-10 (CXCL10), and Avidin-HRP Conjugate.
- 1.2 **Catalog # / Part number: 900-M449**

Application of the substance or mixture: Not for human use.

Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of substance or mixture:** Not a hazardous substance or mixture.
- 2.2 **GHS classification:** Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

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2.3 **GHS labeling:** Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 **Special hazards:** None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 **Ingredients:** This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 **Description of first aid measures:**

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: May cause skin irritation. Immediately flush with plenty of water.

Inhalation: No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store Capture Antibody, Detection Antibody and Standard at -20°C until use. Store aliquoted Avidin-HRP Conjugate at -20°C to -80°C.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:** Contains no substances with occupational exposure limit values.
- 8.2 Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.
- 8.3 Personal precautions:**
- Eye:** Wear appropriate eye protection.
- Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.
- Inhalation:** Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Capture Antibody, Detection Antibody, and Standard: Solid; white powder or thin/invisible film.

Avidin-HRP Conjugate: Liquid; light brown

Odor: None

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage conditions.
- 10.2 Conditions to avoid:** Heat and moisture

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- 10.3 Materials to avoid:** Strong oxidizing agents
- 10.4 Hazardous decomposition:** None determined
- 10.5 Hazardous polymerization:** Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Eye contact: May cause eye irritation.

Skin contact: May cause skin irritation.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** Undetermined
- 12.2 Biodegradability:** Undetermined
- 12.3 Mobility:** Undetermined
- 12.4 Bioaccumulation:** Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

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15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

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SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

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Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

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 Барнаул (3852)73-04-60
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 Новокузнецк (3843)20-46-81
 Ноябрьск (3496)41-32-12
 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16
 Петрозаводск (8142)55-98-37
 Псков (8112)59-10-37
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 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Саранск (8342)22-96-24
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13
 Сургут (3462)77-98-35
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 Тула (4872)33-79-87
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 Ульяновск (8422)24-23-59
 Улан-Удэ (3012)59-97-51
 Уфа (347)229-48-12
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