



Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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Product name: Human BD-2 Standard ABTS ELISA Development Kit 1.1 Components: Goat Anti-Human BD-2, Biotinylated Goat Anti-Human BD-2, Recombinant Human BD-2, and Avidin-HRP Conjugate.

1.2 Catalog # / Part number: 900-K172

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

Курган (3522)50-90-47 Липецк (4742)52-20-81

Красноярск (391)204-63-61 Курск (4712)77-13-04 Казахстан +7(7172)727-132

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

Магнитогорск (3519)55-03-13

Москва (495)268-04-70 Мурманск (8152)59-64-93

Тверь (4822)63-31-35

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 Саратск (8342)22-96-24 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

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.

- 7.1 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

- **10.1 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:



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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.

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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1.1 Product name: Human BD-2 Mini ABTS ELISA Development Kit Components: Goat Anti-Human BD-2, Biotinylated Goat Anti-Human BD-2, Recombinant Human BD-2, and Avidin-HRP Conjugate.

1.2 Catalog # / Part number: 900-M172

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.

- 7.1 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

- **10.1 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:



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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.

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Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
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1.1 Product name: Human BD-3 Standard ABTS ELISA Development Kit Components: Rabbit Anti-Human BD-3, Biotinylated Rabbit Anti-Human BD-3, Recombinant Human BD-3, and Avidin-HRP Conjugate.

1.2 Catalog # / Part number: 900-K210

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.

- 7.1 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

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- **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:



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Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

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1.1 Product name: Human BD-3 Mini ABTS ELISA Development Kit Components: Rabbit Anti-Human BD-3, Biotinylated Rabbit Anti-Human BD-3, Recombinant Human BD-3, and Avidin-HRP Conjugate

1.2 Catalog # / Part number: 900-M210

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

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

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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

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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

- **8.1** Control parameters: Contains no substances with occupational exposure limit values.
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9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

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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

- **10.1 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:



Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M210	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.

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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1.1 Product name: Human BD-4 Standard ABTS ELISA Development Kit Components: Rabbit Anti-Human BD-4, Biotinylated Rabbit Anti-Human BD-4, Recombinant Human BD-4, and Avidin-HRP Conjugate.

1.2 Catalog # / Part number: 900-K435

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

- **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.

- 7.1 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

- **10.1 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:



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.

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Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M435	Revision: D	Page 1 of 5

1.1 Product name: Human BD-4 Mini ABTS ELISA Development Kit Components: Rabbit Anti-Human BD-4, Biotinylated Rabbit Anti-Human BD-4, Recombinant Human BD-4, and Avidin-HRP Conjugate.

1.2 Catalog # / Part number: 900-M435

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-M435	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

- **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.

- 7.1 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
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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

- **10.1 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-M435	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:





Title: SAFETY DATA SHEET		Effective Date: 10/07/2020
SDS Number: 25-900-M435	Revision: D	Page 5 of 5

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

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OSHA Hazard Communication Standard: Non-hazardous

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

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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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