

Section 1 – Product and Company Identification
1.1 Manufacturer Information

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1.2 Product Information

Product Name: Depleted or Deficient Sera – A500 Series

Intended Use: The complement depleted or deficient sera are used as research reagents.

Components: Each of the below components are contained within a Phosphate Buffer Saline (PBS) or Sodium Chloride solution.

Product Description	Custom Bulk Part Number	Custom Unit of Measure	Fixed Quantity Part Number	Fixed Quantity in each Unit
Complement C2-Depleted Human Sera	A2197	mL	A500	1mL
Complement C5-Depleted Human Serum	A2198	mL	A501	1mL
Complement C6-Depleted Human Serum	A2199	mL	A502	1mL
Complement C7-Depleted Human Serum	A2200	mL	A503	1mL
Complement C8-Depleted Human Serum	A2201	mL	A504	1mL
Complement C9-Depleted Human Serum	A2202	mL	A505	1mL
Factor B-Depleted Human Serum	A2203	mL	A506	1mL
C4-Deficient Guinea Pig Serum	A2204	mL	A507	1mL
Complement C3-Depleted Human Serum	A2212	mL	A508	1mL
C1q-Depleted Human Serum	A2576	mL	A509	1mL
Factor P-Depleted Human Serum	A2128	mL	A512	1mL
Complement C3/C4-Functionally Depleted Human Serum	A2985	mL	A521	1mL
Complement C4-Depleted Human Serum	1440	mL	A522	1mL
Factor H-Depleted Human Serum	A2213	mL	A523	1mL
Factor I-Depleted Human Serum	A2205	mL	A524	1mL
Factor D-Depleted Human Serum	A7910	mL	A525	1mL

Section 2 – Hazard Identification

2.1 Classification of the Substance of Mixture Not a hazardous substance or mixture.

2.2 GHS Label Elements, including Precautionary Statements Not a hazardous substance or mixture.

2.3 Hazards Not Otherwise Classified (HNOC) or not covered by GHS

Human Source Material. Follow Universal Precautions when working with these components. Refer to additional Universal Precaution information in Section 7, Handling and Storage.

2.4 Other Hazards None

Section 3 – Composition / Information on Ingredients
3.1 Mixtures

Contains non-hazardous quantities of proprietary ingredients according to OSHA (29 CFR 1910.1200).
Not a hazardous mixture according to Regulation (EC) No. 1272/2008.

3.2 No chemicals need to be disclosed according to the applicable regulations for the components in this kit.

Section 4 – First Aid Measures**4.1 Description of First Aid Measures**

- If inhaled:** Move the person to fresh air and support breathing as required.
- In case of skin contact:** Wash affected area with soap and water. Seek medical advice if irritation develops.
- In case of eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
- If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water (do not swallow). Seek medical advice if irritation develops.

4.2 Most Important Symptoms and Effects (both acute and delayed)

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No specific measures identified. Physicians should treat symptomatically.

Section 5 – Fire Fighting Measures

Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to extinguish a fire.

5.1 Suitable Extinguishing Media

For small fires, use dry chemical, carbon dioxide or alcohol-resistant foam.

5.2 Special Hazards Arising from the Substance or Mixture

Nature of decomposition products not known.

5.3 General Fire Hazards

The components within this kit will not significantly contribute to the intensity of a fire.

5.4 Fire Fighting Equipment

Firefighters should wear full protective gear when responding to fires.

Section 6 – Accidental Release Measures

Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to clean up a spill or release. A large spill of the components contained within this kit is unlikely.

6.1 Personal Precautions

Avoid breathing vapors, mist or gas.

6.2 Environmental Precautions

Contain spill to prevent migration to drains, sewers or open water sources. Discharge to the environment must be avoided.

6.3 Methods and Materials for Clean-Up

Wipe up with inert absorbent material (e.g., paper towel, etc.). Thoroughly wash the area with soap and water after a spill or release clean-up.

6.4 Recovery and Neutralization

Collect spilled material and clean-up supplies and place in a sealed container for disposal. Refer to Section 13 for disposal guidance.

Section 7 – Handling and Storage**7.1 Specific Use**

Refer to product specific package insert. Not for use by the general public.

7.2 Precautions for Safe Handling

As with all chemical and biological substances, avoid getting the components within this kit ON YOU or IN YOU. Wash exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. This kit should be handled only by qualified clinical or laboratory employees trained on the use of this kit and who are familiar with the potential hazards. Universal Precautions should be followed when handling and working with this kit. Keep out of reach of the general public.

Section 7 – Handling and Storage (cont'd)

7.3 Universal Precautions

No known test method can offer complete assurance that product(s) derived from human blood, serum or plasma used in components of this kit will not transmit infectious agents. All blood products should be treated as potentially infectious; use universal precautions. Users should ensure the use of proper personal protective equipment (PPE), covering of any cuts or abrasions on the skin (hands), and follow standard protocols for the decontamination of work surfaces when testing has been completed. Always wash hands thoroughly after handling the components within this kit.

7.4 Conditions for Safe Storage (including any incompatibilities)

To maintain efficacy, store according to the package insert instructions.

7.5 Incompatibilities

To maintain efficacy, store according to the package insert instructions.

Section 8 – Exposure Controls and Personal Protection

8.1 Exposure Limits

No data available for the components within this kit.

8.2 Exposure Controls

Engineering Measures

Use with adequate ventilation.

Personal Protective Equipment

Respiratory Protection

None needed under normal conditions of use.

Skin Protection

Handle with appropriately rated chemical resistant gloves. Gloves should be inspected prior to use. Use proper glove technique to remove gloves to avoid contact with skin. Wash hands after handling the components within this kit.

Eye Protection

Wear safety glasses with side shields or goggles to prevent eye contact.

Body Protection

Use body protection appropriate for the task. A laboratory coat is recommended.

Hygiene Measures

Wash hands before use, after use and at the end of the workday.

8.3 Environmental Exposure Controls

No special environmental controls are required.

8.4 Special Notes

No data available.

Section 9 – Physical and Chemical Properties

Characteristic	Dilution Buffer
Boiling Point (°C)	No data available
Melting Point (°C)	No data available
Specific Gravity (H ₂ O = 1)	No data available
Vapor Pressure (mm Hg)	No data available
Vapor Density (Air = 1)	No data available

Section 9 – Physical and Chemical Properties

Characteristic	Dilution Buffer
pH	7.0-7.6
Solubility in Water	Soluble
Appearance and Odor	Clear liquid, mild odor

Section 10 – Stability and Reactivity

Characteristic	Dilution Buffer
Component Stability	Stable
Hazard Reaction Potential	No data available
Conditions to Avoid	No data available
Materials to Avoid	No data available
Hazardous Decomposition Products	No data available

Section 11 – Toxicological Properties
11.1 Information on Toxicological Effects

Acute Toxicity	No data available	
Skin Corrosion / Irritation	No data available	
Respiratory or Skin Sensitization	No data available	
Generative Cell Mutagenicity	No data available	
Carcinogenicity	No component of this kit present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the ACGIH, IARC, NTP or OSHA.	
Reproductive Toxicity	No data available	
Teratogenicity	No data available	
Specified Target Organ Toxicity		
<u>Single Exposure:</u>	No data available	
<u>Repeated Exposure:</u>	No data available	
Aspiration Hazard	No data available	
Potential Health Effects		
<i>Inhalation:</i>	May cause respiratory tract irritation.	<i>Skin:</i> May cause skin irritation upon contact.
<i>Ingestion:</i>	May be harmful if swallowed.	<i>Eyes:</i> May cause eye irritation.

11.2 Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated for the components within this kit.

11.3 Additional Information

None known.

Section 12 – Ecological Information

12.1 Toxicity	No data available
12.2 Persistence and Degradability	No data available
12.3 Bioaccumulative Potential	No data available
12.4 Mobility in Soil	No data available
12.5 PBT and vPvB Assessment	No data available
12.6 Other Adverse Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13 – Disposal Considerations

13.1 Waste Disposal Instructions

Utilize appropriate personal protective equipment and spill control when handling wastes generated from using this kit. Do not discharge any of the solutions, reagents or controls into drains, water courses or onto the ground.

13.2 Disposal of Product and Contaminated Packaging

Dispose of waste materials, unused components and contaminated packaging in compliance with country, federal, state and local regulations. If unsure of the applicable regulatory requirements, contact a licensed professional waste disposal service to dispose of this material.

Section 14 – Transportation Information

14.1 U.S Department of Transportation (DOT)	This kit is not regulated for transport.
14.2 International Air Transportation Association (IATA)	This kit is not regulated for transport.
14.3 International Maritime Dangerous Goods (IMDG)	This kit is not regulated for transport.

Section 15 – Regulatory Information

15.1 U.S. Federal Regulations

OSHA Hazards	None
SARA 302	The following chemicals are subject to reporting levels established by Sara Title III, Section 302: No chemicals in this solution are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	The following chemicals are subject to reporting levels established by SARA Title III, Section 313: This solution does not contain any chemical components that exceed threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA311/312	None

15.2 State Regulations

The following chemicals appear on one or more of the following state hazardous substance lists:

Chemical Name	CAS #	CA	MA	MN	NJ	PA	RI
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California Prop 65: This kit does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

15.3 Canadian Classification

Chemical Name	CAS #	Minimum Concentration
--	--	Not classified.

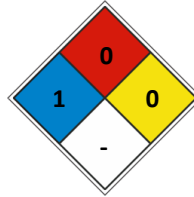
Section 15 – Regulatory Information (cont'd)
15.4 Additional Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Mixture No data available

Chemical Safety Assessment Not completed for the components contained within this kit.

NFPA Kit Classification:

Health Hazard (blue): 1
 Fire Hazard (red): 0
 Reactivity (yellow): 0
 Special Hazards (white): None



***Follow Universal Precautions when handling these components.*

Section 16 – Other Information

Every effort has been made to adhere to the hazard criteria and content requirements of the U.S. OSHA Hazard Communication Standard, European Communities Safety Data Sheets Directive, Canadian Controlled Products Regulations, UK Chemical Hazard information and Packaging Regulations, and UN Globally Harmonized System of Classification and Labeling of Chemicals.

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REVISIONS: Updated to non-hazardous 16-Section SDS format.

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