




# MATERIAL SAFETY DATA SHEET

## Section 1 Company and Product Identification

<b>Product Name</b>	Rat Anti-Mouse CD106/VCAM-1-UNLB (Clone M/K-2) Rat Anti-Mouse CD2/LFA-2-UNLB (Clone 12-15) Rat Anti-Mouse CD11b/Mac-1-UNLB (Clone 3A33) Rat Anti-Mouse CD19-UNLB (Clone 6D5) Hamster Anti-Mouse CD30-UNLB (Clone 2SH12-5F) Rat Anti-Mouse CD40-UNLB (Clone 1C10) Rat Anti-Mouse CD90/Thy-1-UNLB (Clone G7) Rat Anti-Mouse Ly-6A/E-UNLB (Clone D7) Rat Anti-Mouse IgG3-UNLB (Clone LO-MG3-7) Neutralite Avidin-UNLB	Doc. ID 731963-75 AA Issued (year/month/day) 2005/07/01
<b>Part Number</b>	731963, 731973, 732035, 732056, 732111, 732136, 732214, 732227, 732446, 733006	
<b>Product Use</b>	For laboratory use only. See product literature for details.	
<b>Series Name</b>	Cell Lab	
<b>Manufacturer</b>	Manufactured for Beckman Coulter, Inc. 4300 Harbor Blvd. Fullerton, CA 92835-3100, U.S.A.	
<b>Distributor and Emergency Phone No.</b>		Refer to attached list, Document ID: <a href="#">472050</a> , for local distributor and emergency phone numbers.

## Section 2 Composition and Information on Ingredients

<b>Hazardous Ingredients:</b>	None
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## Section 3 Hazards Identification

<b>Emergency Overview</b>	<p style="text-align: center;"> <b>Colorless; Clear; Liquid; Odorless</b>  <b>Nonflammable aqueous solution.</b>  <b>Does not meet EU, OSHA or WHMIS criteria for hazardous materials.</b>  <b>Contains material of animal origin.</b> </p>		
<b>Physical Hazards</b>	No physical hazards were determined from a review of available literature.		
<b>Potential Health Effects Summary</b>	This product does not meet EU, OSHA or WHMIS criteria for hazardous materials. However, it does contain material of animal origin and should be considered potentially infectious. See Section 11 Toxicological Information for more detailed health information.		
<b>Product Hazard Classifications</b>	<b>EU:</b> Not applicable	<b>WHMIS:</b> Not applicable	<b>US OSHA:</b> Not applicable

### Section 3 Hazards Identification (Continued)

<b>Beckman Coulter Safety Rating</b>	<b>Flammability (Section V): 0</b> <b>Health (Section XI): 0</b> <b>Reactivity with Water (Section X): 0</b> <b>Contact (Section VIII): 1</b>	<b>Code</b> 0=none 1=slight 2=caution 3=severe
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### Section 4 First Aid Measures

<b>Inhalation</b>	If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.
<b>Eye Contact</b>	If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.
<b>Skin Contact</b>	Remove any contaminated clothing. Wash affected area with plenty of soap and water. Use disinfectant if possible.
<b>Ingestion</b>	If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

### Section 5 Fire Fighting Measures

<b>Flash Point</b>	Not applicable
<b>Flammable Limits</b>	Not applicable
<b>Autoignition Temp.</b>	Not applicable
<b>Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire.
<b>Special Fire and Explosion Hazards</b>	No special hazards determined.
<b>Hazardous Combustion Products</b>	No combustion products posing significant hazards are expected from this product (an aqueous solution).
<b>Protective Equipment for Firefighters</b>	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

### Section 6 Accidental Release Measures

<b>Personal Precautions</b>	This product contains a material of biological origin. Use universal precautions during clean up procedures.
<b>Spill and Leak Procedures</b>	As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.
<b>Environmental Precautions</b>	Contain spill to prevent migration.

### Section 7 Handling and Storage

<b>Handling Precautions</b>	This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.
<b>Recommended Storage Conditions</b>	Keep away from incompatible material. To maintain efficacy, store according to the instructions in the product labeling.

## Section 8 Exposure Controls and Personal Protection

<b>Exposure Limits</b>	
<b>US OSHA:</b>	None established
<b>ACGIH:</b>	None established
<b>DFG MAK:</b>	None established
<b>Engineering Controls</b>	No special engineering controls are required. Use with good general ventilation.
<b>Respiratory Protection</b>	Under normal conditions, the use of this product should not require respiratory protection.
<b>Eye Protection</b>	Safety glasses or chemical goggles should be worn to prevent eye contact.
<b>Skin Protection</b>	Impervious gloves, such as latex or equivalent, should be worn to prevent skin contact.

## Section 9 Physical and Chemical Properties

<b>Physical State</b>	Liquid
<b>Color</b>	Colorless
<b>Transparency</b>	Clear
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not applicable
<b>pH</b>	≈ 8.1
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Specific Gravity</b>	≈ 1 @20°C
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Solubility</b>	
<b>Water</b>	Miscible
<b>Organic</b>	Not available

## Section 10 Stability and Reactivity

<b>Stability</b>	Stable under normal temperatures and pressures.
<b>Hazardous Incompatibilities</b>	Strong acids Strong bases Strong oxidizers
<b>Hazardous Decomposition Products</b>	No decomposition products posing significant hazards would be expected from this product (a dilute aqueous solution).
<b>Conditions to Avoid</b>	Avoid contact with incompatible materials.

## Section 11 Toxicological Information

<b>Toxicity Data for Hazardous Ingredients</b>	Not applicable
<b>Primary Routes of Exposure</b>	Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.
<b>Potential Effects of Acute Exposure</b>	This product contains materials of animal origin and should be considered potentially infectious. No other health hazards were identified from a review of available literature.
<b>Potential Effects of Chronic Exposure</b>	Effects are similar to those for acute exposure.
<b>Symptoms of Overexposure</b>	None identified.
<b>Carcinogenicity</b>	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
<b>Other Effects</b>	None identified.
<b>Conditions Aggravated by Exposure</b>	None identified.

## Section 12 Ecological Information

<b>Ecotoxicity</b>	No information available.
<b>Biodegradability</b>	No information available.
<b>Mobility</b>	No information available.

## Section 13 Disposal Considerations

<b>Waste Disposal</b>	Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.
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## Section 14 Transport Information

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.

## Section 15 Regulatory Information

### US Federal and State Regulations

SARA 313	No ingredients listed
CERCLA RG's, 40 CFR 302.4	No ingredients listed
California Proposition 65	No ingredients listed
Massachusetts MSL	Sodium Borate Decahydrate is listed.
New Jersey Dept. of Health RTK List	Sodium Borate Decahydrate is listed.
Pennsylvania RTK	Sodium Borate Decahydrate is listed.

**Section 15 Regulatory Information (Continued)****EU Labeling Classification**

Preparation not classified.

**Canada**

This product does not meet WHMIS criteria for hazardous materials.

**PIN:** Not applicable**Ingredients on Ingredient Disclosure List:** Sodium Borate Decahydrate  
Boric Acid**Ingredients with unknown toxicological properties:** None**Section 16 Other Information**

For further information, please contact your local Beckman Coulter representative.

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