

# Material Safety Data Sheet (MSDS)

For ImmuBlot Anti-MAG Western Blot Kit #1173  
ImmuBlot Anti-Neuronal Western Blot Kit #1174

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**Positive Control (Catalog #2207, 2208)**  
**Negative Control (Catalog #2218)**  
**Serum Diluent (Catalog #2309)**  
**Conjugate A (Catalog #2133)**  
**Conjugate B (Catalog #2119)**  
**Conjugate M (Catalog #2132)**  
**Enzyme Substrate (Catalog #2512)**

MSDS Number: **M1027K**

Date Prepared: 3-5-03

Prepared by: \_\_\_\_\_

\*The statements contained herein are offered for informational purposes only and are intended to be followed only by persons having related technical skills and at their own discretion and risk. Since conditions and manner of use are outside our control we make no warranties, express or implied, and assume no liability in connective with use of this information.

Note: Physical and health hazard information on reagent mixtures have not been determined. Any physical and health information noted is based on evaluation of data from the pure ingredients.

## SECTION 1 – MATERIAL IDENTIFICATION AND INFORMATION

Components – Chemical Name & Common Names (Hazardous Components 1% of greater; Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	Other Limits Recommended
Human Serum	Varies	NA	NA	NA
SODIUM AZIDE	<0.1%	0.3mg/m <sup>3</sup>	NA	NA

## SECTION 2 – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	NA	Specific Gravity (H <sub>2</sub> O = 1)	NA
Vapor Pressure (mm Hg and Temperature)	NA	Melting Point	NA
Vapor Density (Air = 1)	NA	Evaporation Rate (butyl acetate = 1)	NA
Solubility in Water	NA	Water Reactive	NA

Appearance and Odor: Clear, colorless to slightly yellow liquid, no odor.

## SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	NA	Auto-Ignition Temperature	NA	Flammability Limits in Air % by Volume	NA	LEL	NA	UEL	NA
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Extinguisher Media: normal extinguishing materials

Special Fire Fighting Procedures: none known

Unusual Fire and Explosion Hazards: none known

**SECTION 4 – REACTIVITY HAZARD DATA**

## STABILITY

Stable  
 Unstable

## Conditions to Avoid

None known

Incompatibility (Materials to Avoid) None

Hazardous

Decomposition Products None

**HAZARD POLYMERIZATION**

May Occur  
 Will Not Occur

## Conditions to Avoid

None known

**SECTION 5 – HEALTH HAZARD DATA****PRIMARY ROUTES OF ENTRY**

Inhalation  Ingestion  
 Skin Absorption  Not Hazardous

**CARCINOGEN LISTED IN**

NTP  OSHA  
 IARC Monograph  Not Listed

**HEALTH HAZARDS**

Acute: None known  
 Chronic: None known

Signs and Symptoms of Exposure: None known

Medical Conditions Generally Aggravated by Exposure: None known

**Emergency First Aid Procedures** – Seek medical assistance for further treatment, observation and support if necessary.

Eye Contact : flush with copious amounts of water for 15 minutes; contact a physician

Skin Contact: wash with germicidal soap and water for at least 15 minutes

Inhalation: move to fresh air; contact a physician

Ingestion: contact a physician

**SECTION 6 – CONTROL AND PROTECTIVE MEASURES**

Respiratory Protection (Specify Type) NA

Protective Clothing: gloves

Eye Protection: safety goggles

**VENTILATION TO BE USED** Local Exhaust Mechanical (general) Special Other (specify)

Other Protective Clothing and Equipment: NA

Hygienic Work Practices: NA

**SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES**

Steps to be Taken if Material is Spilled or Released

Absorb spill with nonreactive material (such as vermiculite, dry sand, etc.). Clean area with household bleach and paper towels.

Waste Disposal Methods

Dispose in accordance with practices employed for infectious waste. **WARNING** – Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal of liquids, flush with large volumes of water to prevent azide buildup

Precautions to be Taken in Handling and Storage

Keep refrigerated at 2° - 8°C.

All human derived components have been tested and found to be negative for HB<sub>s</sub>Ag and for antibodies to HIV by FDA required tests. However, all human serum specimens and human derived products should be treated as potentially hazardous, regardless of their origin. Follow good laboratory practices in storing, dispensing, and disposing of these materials as per Biosafety in Microbiological and Biomedical Laboratories. Centers for Disease Control, National Institutes of Health, 1993 (HHS Pub. No. [CDC] 93-8395).