



# MATERIAL SAFETY DATA SHEET

**Product name:** Calibrator Matrix  
**Product Description:** Human Serum Albumin Calibrator Matrix  
**Catalog number:** 440MM / 227CM  
**Date of issue:** 2013-MAY-01  
**Date of review:** 2013-MAY-01

## 1. Substance/preparation and manufacturer/importer identification

**Characteristics:** Human Serum Albumin  
**Use of substance/preparation:** Source and testing criteria varies by lot.  
**Manufacturer/importer:** Manufacturer  
**Name or commercial name:** Monobind Inc.  
**Registered office:** 100 North Pointe Dr, Lake Forest, CA 92630  
**FDA Established Registration number:** 202026  
**Place of Business:** 100 North Pointe Dr, Lake Forest, CA 92630  
**Emergency telephone number:** Telephone (949) 951-2665

## 2. Information on product/preparation composition

The product contains the following hazardous substances and those with the following highest permissible concentrations in the working environment:

<i>Identification numbers</i>	<i>Chemical name of substance</i>	<i>Concentrations</i>	<i>Risk and safety statements</i>
None	Human Source Materials		N/A

<i>Risk symbols</i>		<i>Safety phrases</i>
T+	Very toxic	S13 Keep away from food, drink and animal feeding stuffs
Xi	Irritant	S23 Do not breathe spray
C	Corrosive	S24/25 Avoid contact with skin and eyes

<i>Risk phrases</i>		
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
R21/22	Harmful in contact with skin and if swallowed	S28.1 After contact with skin, wash immediately with plenty of water
R22	Harmful if swallowed	S30 Never add water to this product
R26/27/28	Very Toxic by inhalation, in contact with skin and if swallowed	S36 Wear suitable protective clothing
R28	Very Toxic if swallowed	S36/37 Wear suitable protective clothing and gloves
R32	Releases very toxic gas in contact with acids	S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
R33	Danger of cumulative effects	
R34	Causes burns	
R36/37/38	Irritating to eyes, respiratory system and skin	
R40	Possible risk of irreversible effects	
R43	May cause sensitization by skin contact	

## 3. Substance/preparation hazards data

Product should be handled as potentially bio-hazardous materials. Controls are based on HIV-1, HIV-2 and HbsAg negative human sera. However, product should be handled as potentially infectious material, following all universal precautions. May be harmful if inhaled, swallowed, or absorbed through skin. May cause eye irritation

## 4. First aid instructions

**General instructions:** Handle as if capable of transmitting infectious diseases. Seek medical attention of any persistent irritation occurs.

**If inhaled:** Transport the affected person into the open air. If there are respiratory complaints, oxygen must be administered. If irritation persists, seek medical advice.

**In case of skin contact:** Wash with soap and plenty of water.

**In case of contact with eyes:** Remove contact lenses. Flush eyes with water.

**If ingested:** Rinse the mouth, administer a big amount of water to dilute the substance. In the case of unconsciousness, never administer anything orally. Seek medical advice.

Form No: MSDS 440MM  
Effective date: 2013-05-01  
Rev 0 DCO: N/A

100 North Pointe Drive, Lake Forest, CA 92630

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## 5. Extinguishing measures

**Suitable fire-extinguishing media:** N/A  
**Thermal decomposition:** No thermal decomposition degradation products are expected.  
**Special hazards:** None.  
**Special protective means for firemen:** None.

## 6. Incidental leakage measures:

**Safety measures to protect humans:** Avoid contact with skin and eyes.  
**Environmental safety measures:** Avoid penetration into sewerage systems, surface and ground water. Avoid soil pollution.  
**Recommended cleaning and disposal methods:** Soak up liquid with absorbent disposable paper. Wash affected area with water and detergent.

## 7. Handling and storage instructions:

**Handling instructions:** Handle as if capable of transmitting infectious diseases.  
**Storage instructions:** Store at temperatures between + 2 and + 8°C at all times. For longer stability, store at -20°C. Use stabilizers suitable for your application

## 8. Exposition checking and protection of persons:

**Technical measures:** Do not eat, drink and smoke when working with the material. Apply good laboratory practices.  
**Personal protective means – protection of respiratory organs:** None  
**Personal protective means – eye protection:** Protective glasses recommended  
**Personal protective means – hand protection:** Protective glove. Wash hands after handling.  
**Personal protective means – body protection:** Protective clothing. Lab coats should be worn.

## 9. Physical/chemical properties

**State (at 20°C):** Liquid  
**Colour:** Clear, pale amber liquid  
**Smell (odour):** Odourless  
**pH value (at 25°C):** None  
**Melting temperature (temperature range) (°C):** No data available.  
**Boiling temperature (temperature range) (°C):** 100-110°C  
**Flash point (°C):** No data available.  
**Inflammability:** No data available.  
**Vapour tension (°C):** No data available.  
**Water solubility:** Soluble.  
**Partition coefficient a-octanol/water:** No data available.

## 10. Stability and reactivity

**Conditions to be avoided:** None.  
**Substances and materials with which the product is not allowed to get in touch:** N/A  
**Hazardous decomposition products:** None  
**Other data:** No hazardous polymerization

## 11. Toxicological information

**Irritability:** No data available  
**Mutagenicity:** No data available  
**Reproduction toxicity:** No data available  
**Tests on animals:** No data available

## 12. Environmental information

Biosafety Level 2

## 13. Disposal Information

### **The manner of disposing the substance/preparation:**

Observe all Federal, State, and Local Environmental Regulations. Every waste disposal must be carried out in coincidence with national and local legislation or administrative regulations respectively.

### **Packages:**

In coincidence with local legislation, or administrative regulations respectively.

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**14. Transportation information**

**Overland transportation (ADR/RID):** Not classified as dangerous goods  
**Transatlantic transportation (IMDG):** Not classified as dangerous goods  
**Air transportation (ICAO/IATA):** Not classified as dangerous goods

**15. Information on legal regulations**

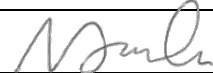

According to the Act No. 157/1998 Coll. on chemical substances and chemical preparations and on amendments in some other laws and acts, components contained in the Monobind ELISA kits are non-hazardous substances in said concentrations. Monobind ELISA kit is subject to special marking regulations according to the EC regulations (28/10/1999).

**16. Additional information**

The material safety data sheet contains data necessary to ensure safety and health and environmental protection in working with chemical substances. The above-stated data match the contemporary state of knowledge and experience and are in coincidence with legal regulations currently in effect. This product is a chemical substance and can be solely used by persons with chemical education at their own risk.

Monobind kits are designed for biomedical research. The manufacturer has no responsibility for damage caused by unsuitable use and by disrespecting the enclosed working instructions.

The above-stated information cannot be considered as complete and must be understood to be only a methodical instruction.

<b>Signature of Person Responsible for Preparation:</b>		Date: 2013-05-01
<b>Signature of Person Responsible for Review:</b>		Date: 2013-05-01

