

SAFETY DATA SHEET

Section 1. IDENTIFICATION

1.1. Product Identifiers(s)

Name: Calibrator Matrix
 Description: Human Serum Albumin Calibrator Matrix
 Code: 440MM (227CM)
 Characteristics: Human Serum Albumin

1.2. Relevant identified uses of the substance or mixture and uses advised against

For further manufacturing uses or for in vitro diagnostic uses only. Not for internal or external use in humans or animals.

1.3. Details of the supplier of the safety data sheet

Manufacturer/importer: Manufacturer
 Name or commercial name: Monobind Inc.
 Registered office: 100 North Pointe Dr, Lake Forest, California 92630, USA
 Telephone number: +1.949. 951.2665
 Fax number: +1.949. 951.3539
 Email: info@monobind.com
 FDA Established
 Registration number: 202026

1.4. Emergency telephone number

+1.949.951.2665

Section 2. HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

None

2.2. Label elements

None

2.3. Other hazards

Should always be used with caution as if capable of transmitting infectious diseases.
 Should be handled at Biosafety Level 2.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances and/or Mixtures

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

Identification numbers	Chemical name of substance	Concentrations	Risk and safety statements
None	Human Source Materials		N/A
Risk symbols		Safety phrases	
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
Risk phrases		S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed	S28.1	After contact with skin, wash immediately with plenty of water
R21/22	Harmful in contact with skin and if swallowed	S30	Never add water to this product
R22	Harmful if swallowed	S36	Wear suitable protective clothing
R26/27/28	Very Toxic by inhalation, in contact with skin and if swallowed	S36/37	Wear suitable protective clothing and gloves
R28	Very Toxic if swallowed	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
R32	Releases very toxic gas in contact with acids		
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		

3.2 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

SECTION 4. FIRST-AID MEASURES

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.

Section 5. FIRE-FIGHTING 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.

Section 6. ACCIDENTAL RELEASE 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.

Section 7. HANDLING AND STORAGE

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

Section 8. EXPOSURE CONTROL/PERSONAL PROTECTION

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.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

State (at 20°C):	Liquid
Colour:	Clear, pale amber liquid
Smell (odour):	Odourless
pH value (at 25°C):	8.0 ± 0.2
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.

Section 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

Section 11. TOXICOLOGICAL INFORMATION

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

SECTION 12. ECOLOGICAL INFORMATION

Biosafety Level 2

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT 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

SECTION 15. REGULATORY INFORMATION

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).

SECTION 16. OTHER INFORMATION

Revision 1 (2023-JULY-21): Updated pH value, ISO number, renamed sections to comply with the requirements of Annex II, European Community Regulation No. 1907/2006 REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) and OSHA (Occupational Safety & Health Administration) 1910.1200, Appendix D., and added additional catalog numbers with different volume fills.

Revision 0 (2013-MAY-01): Initial creation

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.

DOCUMENT HISTORY

PREPARED BY: [Signature] DEPT: Regulatory VERIFIED BY: A. Shatola DEPT: QA
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