

SAFETY DATA SHEET (SDS)

MRNHAV-100

Document #: MDX-SAL-SDS-064

Revision No: 000

Effective Date: Captured Electronically

1. IDENTIFICATION

- 1.1. **Product Name:**
MRNDx HAV IgM Mixed Titer Panel
- 1.2. **Product Part Number:**
MRNHAV-100
- 1.3. **GHS Product Identifier:**
No data available.
- 1.4. **Recommended Uses:**
HAV IgM Mixed Titer Panel may be used for research and development, analytical testing, and/or for in vitro manufacturing of your diagnostic test. For Research Use Only.
- 1.5. **Supplier Information:**
Company: MRN Diagnostics
101 Constitution Blvd
Franklin, MA 02038
United States

Telephone: 1-508-384-0033
Website: www.mrndx.com
- 1.6. **Emergency Contact:**
1-508-384-0033 Monday – Friday 8am-5pm EST

2. HAZARD IDENTIFICATION

- 2.1. **Classification of the substance or mixture:**
This material has the potential to transmit infectious agents and should be handled according to Biosafety Level 2.
- 2.2. **Signal Word:**
Warning.
- 2.3. **Hazard Statements:**
Use of universal precautions.
- 2.4. **Hazard Pictogram:**

(Biohazard)
- 2.5. **Precautionary Statement(s):**
Biohazard: handle as if capable of transmitting infectious agents.
- 2.6. **Other Hazards:**
Contains human plasma, exercise universal precautions.

SAFETY DATA SHEET (SDS)

MRNHAV-100

Document #: MDX-SAL-SDS-064

Revision No: 000

Effective Date: Captured Electronically

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. **Characterization:**

Substance

3.2. **Composition:**

Component/Chemical Name	CAS-No.	Common Name / EC-No.	REACH Registration No.	Classification Code: Hazard Statement(s)
Human Plasma	N/A	N/A	N/A	N/A

3.3. **Additional Information:**

For full text of H phrases see section 16.

4. FIRST-AID MEASURES

4.1. **Description of First-Aid Measures:**

4.1.1. **If Inhaled:**

Proceed to an area containing fresh air and keep at rest in a position comfortable for breathing.

4.1.2. **In Case of Skin Contact:**

Immediately wash thoroughly with warm water and antibacterial soap. Flush with water and seek medical attention.

4.1.3. **In Case of Eye Contact:**

Rinse immediately with copious amounts of water for several minutes. Use of an eye wash station preferable. Remove contact lenses if applicable and continue to rinse. Seek medical attention.

4.1.4. **If Ingested:**

Do not induce vomiting. Rinse mouth with water provided the person is conscious. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2. **Most Important Symptoms and Effect, Both Acute and Delayed:**

No data available.

4.3. **Recommendations for Immediate Medical Care and Special Treatment Needed:**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. **Suitable Extinguishing Media:**

Use extinguishing measures and methods that are appropriate to local circumstances and the surrounding environment.

5.2. **Specific Hazards Arising from the Chemical or Mixture:**

Use water spray to cool fire-exposed containers.

5.3. **Special Protective Actions for Fire-Fighters:**

Wear self-contained breathing apparatus and protective suit.

SAFETY DATA SHEET (SDS)

MRNHAV-100

Document #: MDX-SAL-SDS-064

Revision No: 000

Effective Date: Captured Electronically

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures:

6.1.1. For Non-Emergency Personnel:

Avoid contact with skin and eyes. The use of laboratory coat, gloves and safety glasses is required.

6.1.2. For Emergency Responders:

Avoid contact with skin and eyes. The use of protective equipment is required.

6.2. Environmental Precautions:

Do not allow discharge into the environment. Prevent leakage or spillage.

6.3. Methods and Materials for Containment and Cleaning Up:

Clean in accordance with applicable effective procedures and in compliance with state and federal regulations.

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Avoid contact with skin and eyes. Wear personal protective equipment. Wash hands thoroughly after handling. Do not eat or drink while handling product.

7.2. Conditions for Safe Storage, Including any Incompatibilities

7.2.1. Storage Conditions:

Store in accordance with labeled or recommended storage temperature. Keep containers properly labeled.

7.2.2. Incompatible Products:

No data available.

7.2.3. Incompatible Materials:

Strong oxidizing agents, Strong reducing agents, Acids, Bases.

7.2.4. Recommended Storage:

Refer to product label, Certificate of Analysis or recommendation in relation to use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters:

To the best of our knowledge this product does not contain substances with occupational or national exposure limit values.

8.2. Appropriate Engineering Controls:

Ensure adequate ventilation or other engineering controls to reduce airborne levels.

8.3. Personal Protective Equipment:

8.3.1. Eye/Face Protection:

Use of equipment for eye protection is required. Avoid exposure to liquid splashes.

8.3.2. Skin/Body Protection:

Use of personal protective equipment is required, which includes the use of a laboratory coat and gloves. **Respiratory Protection:**

In the case of insufficient ventilation wear suitable respiratory equipment.

8.3.3. Hand Protection:

SAFETY DATA SHEET (SDS)

MRNHAV-100

Document #: MDX-SAL-SDS-064

Revision No: 000

Effective Date: Captured Electronically

Use of gloves is required. Inspect gloves prior to use to ensure adequate protection. Dispose of contaminate gloves after use in accordance with state/federal regulations and good laboratory practices. Wash hands thoroughly after handling.

8.3.4. **Control of Environmental Exposure:**

Prevent product from entering drains.

8.3.5. **Pictograms**



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical State, Color, etc.):	Viscous Liquid, Transparent.
Upper/lower flammability or explosive limits:	No data available.
Odor:	No data available.
Odor Threshold:	No data available.
Vapor Pressure:	No data available.
Vapor density:	No data available.
pH:	No data available.
Relative density:	No data available.
Melting point/freezing point:	No data available.
Solubility(ies):	No data available.
Initial boiling point and boiling range:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability:	No data available.
Partition coefficient:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available

10. STABILITY AND REACTIVITY

- 10.1. **Reactivity:**
No data available.
- 10.2. **Chemical Stability:**
Stable under recommended storage conditions.
- 10.3. **Possibility of Hazardous Reactions:**
No data available.
- 10.4. **Conditions to Avoid:**
No data available.
- 10.5. **Incompatible Materials:**
Strong oxidizing agents, Strong reducing agents, Acids, Bases.

SAFETY DATA SHEET (SDS)

MRNHAV-100

Document #: MDX-SAL-SDS-064

Revision No: 000

Effective Date: Captured Electronically

10.6. Hazardous Decomposition Products:

No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Acute Toxicity:

No data available.

11.2. Skin Corrosion/Irritation:

No data available.

11.3. Serious Eye Damage/Irritation:

No data available.

11.4. Respiratory or Skin Sensitization

No data available.

11.5. Germ Cell Mutagenicity:

No data available.

11.6. Carcinogenicity:

No data available.

11.7. Reproductive Toxicity:

No data available.

11.8. STOT-Single Exposure:

No data available.

11.9. Aspiration Hazard:

No data available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity:

No data available.

12.2. Persistence and Degradability:

No data available.

12.3. Bioaccumulative Potential:

Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

12.4. Mobility in Soil:

No data available.

12.5. Other Adverse Effects:

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste Disposal Recommendations:

All human derived materials should be handled as if the material is infectious. The use of universal precautions is required by trained personnel. Dispose of in accordance with state and federal regulations.

14. TRANSPORT INFORMATION

SAFETY DATA SHEET (SDS)

MRNHAV-100

Document #: MDX-SAL-SDS-064

Revision No: 000

Effective Date: Captured Electronically

14.1. UN Number:

Not applicable.

14.2. UN Proper Shipping Name:

Not applicable.

14.3. Transport Hazard Class(es):

Not applicable.

14.4. Packing Group:

Not applicable.

14.5. Environmental Hazards:

Not applicable.

14.6. Bulk Transport:

Labels Required: Exempt Human Specimen Label, per Classification section 3.6.2.2.3.8 of IATA DGR.

IATA Packaging Requirements: Packed in accordance with Classification section 3.6.2.2.3.8 of IATA DGR.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

In Vitro diagnostics medical devices directive 98/79/EC.

15.2. Chemical Safety Assessment:

Not applicable.

16. OTHER INFORMATION

16.1. Legend

STOT

Specific Target Organ Toxicity

Classification code:

Acute Tox. 3

Acute toxicity, Category 3

Acute Tox. 2

Acute toxicity, Category 2

Acute Tox. 1

Acute toxicity, Category 1

Skin Corr. 1B

Skin corrosion/irritation; Category 1B

Skin Sens. 1A

Skin sensitizer, Category 1A

STOT RE 2

Specific target organ toxicity — repeated exposure, Category 2

Aquatic Acute 1

Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1

Hazardous to the aquatic environment, Chronic, Category 1

Hazard statement(s)

H300: Fatal if swallowed.

H301: Toxic if swallowed.

H310: Fatal in contact with skin.

H311: Toxic in contact with skin.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H331: Toxic if inhaled.

SAFETY DATA SHEET (SDS)

MRNHAV-100

Document #: MDX-SAL-SDS-064

Revision No: 000

Effective Date: Captured Electronically

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

EUH032: Contact with acids liberates very toxic gas.

16.2. **SDS Prepared by:**

Dr. Gregory R. Chiklis, Ph.D.

16.3. **Date of Preparation:**

10-1-2025

16.4. **Company Policy or Disclaimer:**

The information herein is provided in good faith and is correct to the best of our knowledge and information currently available to us but makes no representation as to its completeness or accuracy. This safety data sheet is intended for use only as a guide for the appropriate precautionary handling of material by suitably trained personnel. Medical Research Networkx, LLC – MRN Diagnostics shall not be held liable for any damage, injury or loss resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of information for their purposes.