

SAFETY DATA SHEET (SDS)

MRNDx Blood Typing Kits

Document #: MDX-SAL-SDS-069

Revision No: 000

Effective Date: Captured Electronically

1. IDENTIFICATION

1.1. **Product Name:**

MRNDx Blood Typing Kit: 2-Pack

MRNDx Blood Typing Kit: 5-Pack

1.2. **Product Part Number:**

MDXM0007, MDXM0008

1.3. **GHS Product Identifier:**

No data available.

1.4. **Recommended Uses:**

MRNDx Blood Typing Kit may be used for the identification of the A, B, O, and Rh (rhesus) antigens on human red blood cells. 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:**

Biosafety Level 1: The materials used to formulate this product contain no infectious material that pose hazard to laboratory personnel and the environment.

2.2. **Signal Word:**

Warning.

2.3. **Substances that contribute to the classification:**

Not a hazardous mixture.

2.4. **Hazard Statements:**

The use of universal precautions is required by trained personnel.

2.5. **Hazard Pictogram:**

N/A

2.6. **Precautionary Statement(s):**

Biohazard, handle as if capable of transmitting infectious agents.

2.7. **Other Hazards:**

Exercise universal precautions.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Composition:

Does not contain components that apply to hazard regulations.

3.2. 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.

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.

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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:

No data available.

7.2.4. Recommended Storage:

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

7.3. Specific end use(s)

7.3.1. In vitro diagnostic reagent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Occupational Exposure Limits:

Skin - Can be absorbed through skin.

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.

8.3.3. Respiratory Protection:

In the case of insufficient ventilation wear suitable respiratory equipment.

8.3.4. Hand Protection:

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

Wash hands thoroughly after handling.

8.3.4.1. Material of gloves

Latex / natural rubber, Nitrile rubber.

8.3.4.2. Penetration time of glove material

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Gloves resistance is not critical when the product is handled according for the instructions for use.

8.3.5. **Control of Environmental Exposure:**

Prevent product from entering drains.

8.3.6. **Pictograms**



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical State, Color, etc.):	Paper card with dehydrated spots: blue, yellow, pink, and green.
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.
Explosive limit ranges	No data available.
Partition coefficient:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive Properties	Not explosive.
Oxidizing properties	Not oxidizing.

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:**
No data available.

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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. Results of PBT and vPvB assessment

No data available.

12.6. Other Adverse Effects:

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste Disposal Recommendations:

The use of universal precautions is required by trained personnel.

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Disposal should be in accordance with local, state or national legislation. Contaminated packaging must be disposed of in the same manner as the product. Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.

14. TRANSPORT INFORMATION

- 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. **Special Precautions for User:**
Not applicable.
- 14.7. **Bulk Transport:**
Not applicable.

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.

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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.

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 particular purposes.