

# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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Products: NRL Nucleic Acid Testing External Quality Assessment Schemes (NAT EQAS)

Catalogue Numbers:	Product Names:
CMVN435	CMV Molecular
HBVL435	HBV Molecular
HCVQ435	HCV Molecular
HIVL435	HIV Molecular
HPVN435	HPV Molecular
HTLD435	HTLV Molecular
MLRM435	Malaria Blood Screening Molecular
MMPF4310	Multimarker Plasma Fractionation Molecular
MPOX423	Mpox Molecular
NATA4310	Multimarker Blood Screening Molecular
RASH435	Viral Exanthems Molecular
STIC435	Sexually - Transmitted Infections Molecular
TTIM435	Transplant - Transmitted Infections Molecular
VECT435	Vector - Borne Infectious Diseases

## SECTION 2: HAZARD(S) IDENTIFICATION

### Potentially Biohazardous Material:

This material has the potential to transmit infectious agents and should be handled according to Biosafety Level 2. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Harmful if swallowed. Wear suitable protective clothing (lab coat, gloves, and safety glasses).

### Phosphate buffered saline (PBS):

Not considered hazardous by the US OSHA Hazard Communication Standard 2024.

### ThinPrep PreservCyt Solution:

Health hazards – Acute oral toxicity (Category 3), acute dermal toxicity (Category 3), Acute inhalation of vapours toxicity (Category 3), specific target organ toxicity (single exposure) (Category 1) and Flammable liquids (Category 3).

Signal word – Danger

Precautionary statements – Keep away from heat/sparks/open flames/hot surfaces. Wear protective gloves and eye/face protection. Do not breathe dust/fume/gas/mist/vapours/spray.

### MEM (1x) with Earle's salts:

Health hazards – Serious eye damage/eye irritation (Category 2).

Precautionary statements – Wear eye/face protection.

## SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

Component	Product(s)	CAS#	Percentage	Exposure Limit
Human plasma	<ul style="list-style-type: none"> <li>• CMVN435</li> <li>• HBVL435</li> <li>• HCVQ435</li> <li>• HIVL435</li> <li>• MMPF4310</li> <li>• NATA4310</li> <li>• TTIM435</li> <li>• VECT435</li> </ul>	Not applicable	Not applicable	None established
Human whole blood	<ul style="list-style-type: none"> <li>• MRLM435</li> </ul>	Not applicable	Not applicable	None established

## SAFETY DATA SHEET

Phosphate buffered saline (PBS)	• STIC435	None	Not applicable	None established
ThinPrep PreservCyt Solution	• HPV435	67-56-1 (methanol)	35-55 (methanol)	None established
MEM (1x) with Earle's salts	• MPOX423 • RASH435	10035-04-8 (calcium chloride, dihydrate)	0.1-10 (calcium chloride, dihydrate)	None established
Red cell suspension	• HTLD435	Not applicable	Not applicable	None established

### SECTION 4: FIRST AID MEASURES

**Eyes:** In case of contact, immediately flush eyes with a large amount of water for at least 15 minutes while holding the eyelids open to ensure that the entire surface is flushed. Seek medical attention.

**Skin:** In case of contact, immediately wash the contact area thoroughly with soap and a large amount of water. Seek medical attention.

**Inhalation:** Remove to fresh air and seek medical attention.

**Ingestion:** Do not swallow the material. Never give anything by mouth to an unconscious or convulsing person. If conscious, rinse mouth with water. Seek medical attention.

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** CMVN435, HBVL435, HCVQ435, HIVL435, MRLM435 MMPF4310, MPOX423, NATA4310, RASH435, STIC435, TTIM435 and VECT435 contain no products that are combustible. Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, or alcohol-resistant foam is to be used to extinguish fire.

For HPV435 component ThinPrep PreservCyt Solution, use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing to prevent exposure to eyes and skin.

**Unusual Fire and Explosion hazards:** May emit toxic and/or irritating gases and vapours under fire conditions.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Promptly clean up all spills. Wear appropriate personal protective equipment to avoid exposure. Ensure adequate ventilation. Contain the spill. Absorb the spill using absorbent materials and decontaminate the spill with suitable disinfectant (such as bleach solution or another germicidal agent) according to local, state or federal guidelines.

Dispose of all cleanup materials in accordance with disposal practices for infectious waste at your institution. (Local, State, and Federal regulations may apply). Wash the spill area after material pick up is complete.

### SECTION 7: HANDLING AND STORAGE

Handle this material as if capable of transmitting infectious agents. Observe routine biosafety precautions in handling. Use of personal protection to include, but not limited to, laboratory coat or gown, gloves and eye safety glasses is strongly recommended.

Wash thoroughly after handling. Store as labelled. Ensure adequate ventilation.

### SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION

Laboratory coat or gown, gloves, safety glasses

Emergency shower and eye wash

Do not get in eyes, on skin or on clothing

Wash thoroughly after handling

Biosafety Level 2 precautions

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance & Form:

The plasma may be in liquid or solid (if frozen) form; its normal appearance is a pale amber liquid. On occasion, some particulate matter (fibrin) is normal. pH 6.0-8.0 Neutral.

The whole blood and red cell suspension may be in liquid or solid (if frozen) form; its normal appearance is a dark red liquid.

All other material is in a colourless liquid form. ThinPrep PreservCyt Solution pH 5.5.

## SAFETY DATA SHEET

### SECTION 10: STABILITY & REACTIVITY

**Stability:** This material is stable under normal temperatures and pressures, is non-corrosive and polymerization will not occur. This material is not incompatible with other laboratory materials.

**Conditions to avoid:** Avoid excess heat, flames and sparks.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Potentially Biohazardous Material:** Harmful if inhaled, ingested or absorbed through skin.

For ThinPrep PreservCyt Solution, target organ effects to central nervous system, eyes, gastrointestinal tract, respiratory system and skin.

### SECTION 12: ECOLOGICAL INFORMATION

Most products contain no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants.

50.133% of the ThinPrep PreservCyt Solution consists of component(s) of unknown hazards to the aquatic environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

Waste handling requirements are dependent upon local ordinances and therefore it is recommended that the community standards as well as state, local and federal regulations be consulted regarding the proper disposal of potentially infectious material.

### SECTION 14: TRANSPORT INFORMATION

#### IATA/ICAO AIR TRANSPORTATION

**Proper Shipping Name:** Biological Substance, Category B

**UN Number:** UN3373, UN1845

**Hazard Class/Packing Group:** Hazard Class: 6.2 / Packaging Group: N/A

**Labels Required:** In accordance with section 7 IATA Dangerous Goods Regulations (DGR)

**IATA Packaging Requirements:** In accordance with Packing Instructions 650, IATA DGR

**HS Code:** 30029010

### SECTION 15: REGULATORY INFORMATION

Not Applicable

### SECTION 16: ANY OTHER RELEVANT INFORMATION

The above information is believed to be accurate, complete and current but does not purport to be all inclusive and shall be used as a guide. NRL makes no representation or warranties with respect to the product described herein, including but not limited to any implied warranties or merchantability or fitness for a particular use. NRL assumes no liability or responsibility and authorizes no other person to assume any additional liability or responsibility as a result of the use of this product or the information contained in the Safety Data Sheet.