

Section 1: Identification

Product Name(s): ReLASV Pan-Lassa Combo NP/Prefusion-GP IgG/IgM, IgG-Only, IgM Only ELISA Kits (Research Use Only)

Product Number: 10171 (G/M), 10204 (IgG-Only), 10158 (IgM-Only)

Description: ReLASV Pan-Lassa Combo NP/Prefusion-GP IgG/IgM enzyme-linked immunosorbent assay (ELISA) is intended for the semi-quantitative detection of human IgG and/or IgM antibodies specific to Lassa virus (LASV) nucleoprotein (NP) and glycoprotein (GP) antigens in plasma or serum.

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Section 2: Hazards Identification

Emergency Overview: Product is not classified as hazardous based on the physical and/or chemical nature and/or concentration of ingredients.

Product has little to no hazards for Emergency responders if spilled and has no unusual hazard if in a fire.

OSHA Hazards: Not Hazardous

While the materials in this diagnostic kit are not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

- GHS Classification & Symbols:**
- Animal-source materials such as Bovine Serum Albumin (BSA), even though in the very low (<1.0%) concentrations in the Sample Buffer, may cause irritation if contact made with skin, eyes or mouth.
 - ProClin 150, 300 and 950 at concentrations of 0.1% or less may cause sensitization by skin contact.
 - Chlorhexidine in Sample Buffer at concentrations of 0.1% or less may cause sensitization if contact made with skin, eyes, and/or respiratory system.
 - Low concentrations of methanesulfonic acid (2%) in the Stop Solution is considered an irritant if contact made with skin, eyes, and/or respiratory system.
 - Salt-based wash solution considered an irritant if contact made with skin or eyes and affected area not washed immediately.

Human plasma or serum, even at the low volumes included in this kit, is considered biohazardous. The human plasma or serum used in these products has been tested and found negative for HIV 1 and 2 antibodies, Hepatitis C Virus (HCV), and Hepatitis B Surface antigen. Because no method can absolutely guarantee the absence of infectious agents, handle reagents of human origin and patient samples as if capable of transmitting infectious disease (Universal Precaution).



Section 3: Composition / Information on Ingredients

COMPONENT	COMPOSITION
Coated microwell plate:	96-well plate coated with non-infectious, recombinant LASV NP and prefusion-GP antigens and a stabilizing solution. Contains <1.0% Bovine Serum, Albumin (BSA)
Negative Control:	Lyophilized normal human plasma. Preservative: <0.1% ProClin 300
IgG, IgM Positive Controls:	Lyophilized human monoclonal antibody (HuMAb) specific to LASV NP and prefusion-GP antigens in buffered solution. Preservative: <0.1% ProClin 300
IgG, IgM Calibrators:	Lyophilized human monoclonal antibody (HuMAb) specific to LASV NP and prefusion-GP antigens in buffered solution. Preservative: <0.1% ProClin 300
Sample Diluent:	Phosphate buffered saline. Contains <1.0% Bovine Serum, Albumin (Green) Preservative: <0.1% ProClin 150, 950 and <0.1% Chlorhexidine
Enzyme Conjugate:	Goat anti-Human IgG conjugated antibody in aqueous protein containing solution (Blue) Goat anti-Human IgM conjugated antibody in aqueous protein containing solution (Red) Preservative: <0.1% ProClin 300 and 950
Wash Buffer:	33X phosphate buffered saline with <1% Tween 20
Substrate Solution:	Aqueous solution of TMB (3,3',5,5'-Tetramethylbenzine) and hydrogen peroxide (H ₂ O ₂).
Stop Solution:	Aqueous solution of 2% methanesulfonic acid (CH ₄ O ₃ S).

Section 4: First Aid Measures

Skin Contact:	Immediately wash thoroughly with water and soap. Remove contaminated clothing and shoes and decontaminate before reuse.
Eye Contact:	After contact with the eyes, carefully rinse the opened eye with running water for at least 10 minutes. Get medical attention if necessary.
Ingestion:	If swallowed, wash out mouth with water provided individual is conscious; call physician.
Inhalation:	Remove individual to fresh air. If breathing becomes difficult, call physician.

Section 5: Firefighting Measures

Extinguishing Media: Use dry chemical powder, water spray, foam or carbon dioxide.

Section 6: Accidental Release Measures

Personal Precautions:	Wear disposable gloves, eye protection, and appropriate protective clothing.
Environmental Precautions:	Do not discard human-source reagents and contaminated wastes in the drain.
Methods for Clean-Up:	Collect reagents with absorbent paper. Treat solutions and materials contaminated by human source material (materials or samples) with freshly diluted (10%) bleach.
Disposal:	Refer to section 13. Discard human source reagents and contaminated material as potentially infectious biological material.

Section 7: Handling and Storage

Handling: Special measures are not required.

Storage: Store at 2 to 8°C. Protect from light. Store reagents in their original containers.

Section 8: Exposure Controls / Personal Protection

Engineering Measures: Comply with Good Laboratory Practices to avoid all direct contact with reagents.

Personal Protective Equipment: Disposable gloves, protective glasses, protective clothing.

Hygiene Measures: Comply with Good Laboratory Practices. Wash hands thoroughly.

Section 9: Physical and Chemical Properties

Coated Microwell Plate: Polystyrol microwells in foil pouch

Lyophilized Negative Control: White cake in plastic vial.

**Lyophilized IgG, IgM
Positive Controls:** White cake in plastic vial.

Lyophilized IgG, IgM Calibrators: White cake in plastic vial.

Sample Diluent: Green fluid in polyethylene bottle.

Enzyme Conjugate: Blue fluid in polyethylene bottle (anti-IgG).
Red fluid in polyethylene bottle (anti-IgM).

33X Wash Buffer: Colorless fluid in polyethylene bottle.

Substrate Solution: Colorless fluid in amber polyethylene bottle.

Stop Solution: Colorless fluid in polyethylene bottle (red cap).

Section 10: Stability and Reactivity

Stability of component is given on each individual label. Used according to intended use, no dangerous reactions known.

Section 11: Toxicological Information

Used according to intended use, no toxicological reactions known.

Section 12: Ecological Information

Used according to intended use, no ecological reactions known.

Section 13: Disposal Considerations

Waste should be disposed of in accordance with federal, state and local environmental control regulations.

When disposing of sample diluent, conjugate, or wash buffer, flush drains with copious amounts of water. Disposal of packaging according to the instructions of the public authorities.

Some materials such as references, controls, patient samples and microwell plates that have been used in testing should be treated as a biohazard and disposed of accordingly.

Section 14: Transport Information

This product is not subject to official transport regulations.

Section 15: Regulatory Information

United States (TSCA):	All ingredients are on the inventory or exempt from listing.
Canada (DSL / NDSL):	All ingredients are on the inventory or exempt from listing.
SARA 302 Components:	ProClin®: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components:	ProClin®: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established SARA Title III, Section 313.
SARA 311 / 312 Hazards:	ProClin®: Acute health hazard
California Prop. 65 Components:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.