
1. Product & Company Information

Manufacturer InBios International, Inc.
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Information Phone Number: 206.344.5821
Hours: Mon. to Fri. 8:30am-5:00pm (US Pacific Time)

Catalog Number(s) WNEQM-1
Product Name West Nile Virus Antibody Test Kit, ELISA
Synonyms N/A
Formula N/A
Molecular Weight N/A

2. Composition / Information on Ingredients

Component	CAS #	SARA
1. Coated Microtiter Strips for WN Equine IgM Anti-equine IgM antibody		
2. Sample Dilution Buffer for WN IgM, pH 7.2-7.6 Phosphate Buffered Saline		
Tween 20 (0.05%)	9005-64-5	No
ProClin 300 (0.01%)	55965-84-9	No
3. Ready-to-use West Nile Antigen (WNRA) for Equine IgM Tween 20 (<0.05%)	9005-64-5	No
ProClin 300 (<0.01%)	55965-84-9	No
G418 sulphate (0.0025-0.004%)	108321-42-2	No
WNV antigens		
4. Ready-to-use Normal Cell Antigen (NCA) for IgM Tween 20 (<0.05%)	9005-64-5	No
ProClin 300 (<0.01%)	55965-84-9	No
5. Equine IgM Negative Control (IgM N) Heat-inactivated equine negative serum <i>Biohazardous</i>		
6. Equine IgM Positive Control (IgM P) Heat-inactivated equine positive serum Sodium azide (0.09%) <i>Biohazardous</i>	26628-22-8	Yes

7. 10X Wash Buffer, pH 6.7-7.1 Phosphate buffered saline (10X) Tween 20 (1.0%)	9005-64-5	No
8. EnWash, pH 7.2-7.6 Phosphate buffered saline Tween 20 (0.5%) ProClin 300 (0.05%)	9005-64-5	No
9. Ready-to-use Enzyme Conjugate-HRP for IgM, pH 7.2-7.6 antibody-horseradish peroxidase conjugate Phosphate citrate buffered saline Tween 20 (<0.05%) ProClin 300 (<0.05%)	9005-64-5 55965-84-9	No No
10. Liquid TMB Substrate, pH 3.3-3.8 3,3',5,5'-Tetramethylbenzidine ($\leq 0.05\%$) Hydrogen peroxide ($\leq 0.02\%$)	54827-17-7 7722-84-1	No No
11. Stop Solution Sulfuric Acid, aqueous (1N) <i>Corrosive</i>	7664-93-9	No

3. Hazard Identification

Emergency Overview

Additional toxicity information is Section 11.

Potential Health Effects (Acute and Chronic)

Inhalation: May be irritating to mucous membranes and respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Skin Contact: May be irritating to skin. Sulfuric acid causes severe burns.

Eye Contact: May be irritating to eyes. Sulfuric acid causes severe burns.

Aggravated Medical Conditions by Exposure: No information found.

Carcinogenicity: High levels of exposure to sulfuric acid mists have shown carcinogenic effects.

Sensitization: No information found.

4. First Aid Measures

Emergency First Aid

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Inhalation Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion Wash out mouth with water, provided person is conscious; get immediate medical attention. Do not induce vomiting.

<u>Skin</u>	Immediately flush thoroughly with large amounts of water. Remove contaminated clothing and wash before reuse. Seek medical attention.
<u>Eyes</u>	Immediately flush thoroughly with water for at least 15 minutes. Seek medical attention.

5. Fire Fighting Measures

Extinguishing Media	Use dry chemical powder.
Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing.
Fire & Explosion Hazards	Emits toxic fumes under fire conditions.

6. Accidental Release Measures

Spill Response

Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Exposure / Personal Protection. Contain the release and eliminate its source, if this can be done without risk. Spill material should be disposed of accordingly (see Section 13). Comply with all Federal, State, and local regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.

7. Handling and Storage

Handling

Avoid inhalation and contact with skin, eyes, and clothing. Avoid prolonged and repeated exposure. Components containing serum must be treated as biohazardous and handled following Universal Precautions.

Storage

Keep container tightly closed and protected against physical damage. Store under appropriate conditions away from incompatible chemicals.

8. Exposure Controls and Personal Protection

Safety Equipment

Safety showers and eye wash station.

Personal Protective Equipment

Engineering and/or administrative controls should be implemented to reduce exposure. Protective gloves must be worn to prevent skin contact. Safety glasses with side shields must be worn at all times. Impervious protective clothing should be worn to prevent skin contact.

Work and Hygiene Practices

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Exposure Guidelines**OSHA - PEL:**

Component	TWA		STEL		CL		Skin
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	
Hydrogen Peroxide	1						
Sulfuric Acid		1					

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

9. Physical and Chemical Properties

Boiling Point (°C 760 mmHg)	N/A
Melting Point (°C)	N/A
Specific Gravity (H ₂ O = 1)	N/A
pH	See Section 2.
Flash Point (°F)	N/A
Flammable Limits LEL (%)	N/A
Flammable Limits UEL (%)	N/A
Vapor Pressure (mm Hg)	N/A
Percent Volatile by vol (%)	N/A
Vapor Density (Air = 1)	N/A
Evaporation Rate (BuAc = 1)	N/A
Solubility in Water	N/A
Appearance	N/A

N/A = Not Available

10. Stability and Reactivity

Stability

Stable:	Stable
Incompatibles:	Strong oxidizing agents, bases, brass, iron, finely powdered metals
Conditions to Avoid:	Incompatibles

Hazardous Polymerization

Hazardous polymerization will not occur.

Hazardous Decomposition

Carbon dioxide, Carbon monoxide, Sulfur oxide, Hydrogen sulfide, Mercury, Mercury oxides, Nitrogen oxides

11. Toxicological Information

Oral Rat LD50 N/A

Inhalation Rat LD50 N/A

Skin Rabbit LD50 N/A

12. Ecological Considerations

No data available.

13. Disposal Considerations

Contact a licensed professional waste disposal company for disposal of this material. Observe all federal, state, and local environmental regulations.

14. Transportation Information

DOT

Proper Shipping Name: None
This substance is considered non-hazardous for transport.

IATA

Proper Shipping Name: None
This substance is considered non-hazardous for transport.

15. Regulatory Information

Component	SARA TPQ (lbs)	SARA DeMininis (%)	CERCLA RQ (lbs)
Sulfuric Acid			1000

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

16. Other Information

Comments

None

NFPA Hazard Ratings

Health	N/A
Flammability	N/A
Reactivity	N/A
Special Hazards	N/A

N/A = Not Available

N/E = None Established

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