



DIAGNOSTIC AUTOMATION, INC.

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Material Safety Data Sheet

Schistosoma

Manufacturer: Diagnostic Automation, Inc.
21250 Califa Street, Suite 102 & 116,
Woodland Hills, CA 91367 USA

Phone Number: (818) 591-3030

Product Name: Schistosoma Microwell Serum ELISA
Catalog No. 8209-35

Product Type: For the qualitative screening of serum IgG antibodies to *Schistosoma* using an Enzyme Linked Immunoabsorbant Assay (ELISA) technique.

Hazard Identification

	Thimerosal	Phosphoric
		1mg/m Acid
	0.1mg/m	1mg/m
Time Weight Averages	0.1mg/m	8-hours for OSHA 3-hours for ACGIH
HMIS	Health Hazard-2 Fire Hazard-1 Reactivity Hazard-0	Health Hazard-3* Fire Hazard-2 Reactivity Hazard-0

* Additional chronic hazards are present

Chemical Characterization

Product	Hazardous Chemicals	CAS No.	%	R-Phrase
Plate/Strips	Animal Protein	N/A	N/A	N/A
Enzyme Conjugate	Thimerosal	54-64-8	0.5%	R20/21/22, 25, 33, 36/37/38, 53
Positive Control	Thimerosal	50-00-0	0.2-0.5%	R20/21/22, 25, 33, 36/37/38, 53
Negative Control	Thimerosal	50-00-0	0.2-0.5%	R20/21/22, 25, 33, 36/37/38, 53
Chromogen	Tetramethylbenzidine	N/A	N/A	N/A
20X Wash Concentrate	Thimerosal	54-64-8	1%	R20/21/22, 25, 33, 36/37/38, 53
Dilution Buffer	Thimerosal	50-00-0	0.2-0.5%	R20/21/22, 25, 33, 36/37/38, 53
Stop Solution	Phosphoric Acid	7664-38-2	5%	R34

R-Phrases:

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R25	Toxic if swallowed
R33	Danger of cumulative effects
R34	Causes burns
R36/37/38	Irritating to eyes, respiratory system and skin
R53	May cause long-term adverse effects in aquatic environment

First Aid Measures

Inhalation: If inhaled, remove person to fresh air. If person is not breathing, give artificial respiration. If person is having difficulty breathing, give oxygen. Get medical attention.

Ingestion: If swallowed and person is conscious, rinse mouth with water. Never give anything, by mouth, to an unconscious person. Get medical attention.

Skin Contact: In case of skin contact, flush skin with water for 15 minutes. Remove

contaminated clothing and shoes. Get medical attention.

Eye Contact: In case of eye contact, check for and remove and contact lenses. Flush eyes with water for 15 minutes. Get medical attention.

European Safety Phrases:

Thimerosal	Phosphoric Acid
S2, S13, S26, S28, S36, S37, S45	S26, S36, S37, S39, S45

- S2 Keep out of reach of children.
- S13 Keep away from food, drink and animal feeding stuffs.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S28 After contact with skin, wash immediately with plenty of water.
- S36 Wear suitable protective clothing.
- S37 Wear suitable gloves.
- S39 Wear suitable eye/face protection.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Fire Fighting Measures

Flashpoint:

Thimerosal: Closed cup, >250°C

Extinguishing Media:

Phosphoric Acid: Carbon dioxide, dry chemical powder, or appropriate foam
Thimerosal: Small fire, use dry chemical powder. Large fire, use water spray, fog or foam. Do not use water jet.

Special Fire Procedures: None required

Unusual Fire and Explosion Hazards:

Thimerosal: as most organic solids, fire is possible at elevated temperatures. Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products:

Thimerosal: Carbon oxides (CO, CO₂). Some metallic oxides.

Accidental Release Measures:

Instructions: Wear gloves and absorb. Place into a hazardous waste container for waste disposal.

Handling and Storage

Handling: No special requirements but use standard laboratory practices.

Storage: Refer to products label and/or directions for use.

Exposure Controls/Personal Protection:

Normal laboratory practices in the handling of specimens is sufficient, practices will limit exposure if used correctly.

Physical and Chemical Properties:

Physical State: Liquid

Color: Various

Solubility: Not applicable

Flash Point: Not Applicable

Boiling Point: No data available

pH: Stop solution is very acidic

Stability and Reactivity

Incompatibility:

Thimerosal: Reactive with oxidizing agents, acids, and alkalis.

Hazardous Polymerization: None

Toxicological Information:

Target Organs: Kidneys, central nervous system, heart, bone marrow, blood, liver, and eyes.

Primary Routes of Entry: Inhalation, ingestion, skin or eye contact.

Toxicity

	Thimerosal	Phosphoric Acid
Oral, rat: LD ₅₀	75 mg/kg	1530 mg/kg
IARC:	Group 3	N/A

Ecological Information

	Thimerosal	Acid
RTECS#:	OV8400000	TB6300000

Disposal Consideration: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Transportation Information:

Department of Transportation (DOT): Small quantities.

International Air Transport Associations (IATA):

Thimerosal: Mercury compound, solid, n.o.s. (Thimerosal) UN: NA2025
PG: III

Phosphoric Acid: liquid, UN: 1805 PG III

International Maritime Dangerous Goods (IMDG): Not regulated

Regulatory Information:

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer and/or birth defects.

Other: To the best of our knowledge, the information contained here in is accurate. Diagnostic Automation Inc, assumes no liabilities for accuracy or completeness of the information contained herein.

Date Adopted	2016-05-18
REF 8209-35	DA-Schistosoma



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