

MATERIAL SAFETY DATA SHEET**Wampole Laboratories**

2 Research Way
Princeton, NJ 08540

E. Histolytica Test

Emergency Telephone Number
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Customer Service Telephone Number:
(800) 257-9525

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SECTION I – IDENTITY

Product Type: Diagnostic test kit.

Description: Monoclonal enzyme immunoassay for the rapid detection of *Entamoeba histolytica* in human fecal specimens.

Product Code: 30404 (96 tests).

Ingredients Potentially Hazardous: 1. *sulfuric acid 1M* (stop solution); CAS#7664-93-9; Content: 80 - 98%; OSHA PEL: 1mg/m³; ACGIH TLV: 1 mg/m³ with a STEL of 3 mg/m³. 2. *thimerosal* (preservative in diluent, conjugate, control, and wash buffer); CAS#: 54-64-8; Content: 0.02 - 0.2%; OSHA PEL- 0.01 mg (Hg)/m³; ACGIH TLV - 0.1 mg(Hg)/m³.

SECTION II – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: Kit containing diluent, conjugate, substrates, control, wash buffer, stop solution, assay plates, plastic well strips, and plastic pipettes. This kit contains biological material. The stop solution has the following characteristics:

Boiling Point: 327°F.

Specific Gravity: 1.84.

Solubility: complete.

pH: 1.0.

Vapor Pressure: <0.3.

SECTION III – FIRE AND EXPLOSION HAZARD DATA

Condition: No fire or explosion hazards. Packaging material will burn in a fire.

Extinguishing Media: Use standard fire fighting procedures depending on the source of the surrounding fire.

SECTION IV – REACTIVITY DATA

Incompatibilities: The stop solution is incompatible with water, common metals, organic materials, strong oxidizing agents, strong reducing agents, combustible materials, sulfides, cyanides, and carbides.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Hazardous Decomposition or Byproducts: This product is stable. If involved in a fire, the packaging materials may produce poisonous gas. The stop solution will produce oxides of sulfur and hydrogen.

SECTION V – TOXICOLOGY/HEALTH EFFECTS

Occupational exposure to this product is not expected to produce adverse human health effects following prudent workplace practices. The stop solution is a poison and causes severe burns. The oral LD₅₀ (rat) for sulfuric acid is 2140 mg/kg.

SECTION VI – FIRST AID

Route of Entry: Accidental ingestion is possible. Skin and eye contact with the stop solution will cause burns.

Medical Conditions Generally Aggravated by Exposure: No specific information known.

Emergency and First Aid Procedures:

- For ingestion of test specimens, seek immediate medical attention.
- For eye contact, flush with plenty of water. For eye contact with the stop solution, flush with water for at least 15 minutes and seek medical attention.
- For skin contact, immediately wash with soap and water.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING

General: Refer to the package insert. Always follow good laboratory practices when using this product. Follow Federal OSHA regulations for employee exposure to test specimens containing human source material (29 CFR 1910.1030). Additional guidance can be found in the Centers for Disease Control/National Institutes of Health manual "Biosafety in Microbiological and Biomedical Laboratories".

Steps to Be Taken in Case Material is Spilled: If stop solution spills, neutralize with soda ash, lime, or a commercially available acid neutralizer.

Waste Disposal Method: Place material in a sealed container and dispose of in accordance with applicable environmental regulations.

SECTION VIII – CONTROL MEASURES

Personal Protective Equipment: Barrier gloves (rubber), eye protection, and laboratory coat may be required as laboratory conditions indicate.

Ventilation: No special ventilation necessary.