

SAFETY DATA SHEET

Revision Date: April 2023

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	ASI Toxoplasma IgM Test
Product number:	810096AM
Brand:	ASI
Company:	Arlington Scientific Inc. 1840 N Technology Drive Springville, UT 84663 USA
Telephone:	(801) 489-8911
Fax:	(801) 489-5552
Emergency phone #:	(801) 489-8911

2. HAZARDS IDENTIFICATION

Emergency overview:	The microwells in this test kit have been coated with toxoplasma antigen, which has been certified by the supplier to be inactivated. The microwells should be handled as though capable of transmitting infection (handle at biosafety level 2).
OSHA hazards:	
Flammable liquid:	None
Target organ effect:	None
Harmful by ingestion:	Avoid hand-to-mouth contact when handling human serum source materials. Wash hands thoroughly after handling, even when gloves have been worn. Do not eat, drink, or apply cosmetics in the area where human source material is handled. Do not pipet by mouth.
Harmful by skin absorption:	Wear gloves and especially cover any cuts, abrasions, or skin lesions. Dispose of gloves, pipets, stirrers, test cards, and used reagent containers as biohazardous material. Wash hands thoroughly after removing gloves. Use extreme caution with any sharp object to avoid percutaneous exposure to human source material. Wear outer protective garment such as a lab coat or gown.
Irritant:	None
Target organs:	None
Potential health effects:	
Inhalation:	May cause irritation
Skin:	May cause irritation
Eyes:	May cause irritation
Ingestion:	May cause irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula:	Reagents contained in kit: Plastic microwells: Coated with inactivated toxoplasma antigen Conjugate: Goat anti-human immunoglobulin labeled with calf alkaline phosphatase Negative control*: Normal human serum Calibrator 1*: Normal human serum Calibrator 2*: Normal human serum Positive control*: Normal human serum Sample diluent: Phosphatate buffered saline with a protein stabilizer Substrate: P-Nitrophenyl phosphate Wash concentrate: Tris buffered saline with Tween-20 Stop solution: Tri-sodium phosphate *Contains 1 mg/ml Sodium azide, or less
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4. FIRST AID MEASURES

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General Advice:	The stop solution is caustic. If it comes in contact with the skin or eyes, flush the exposed area with water for three to five minutes.
If inhaled:	May cause irritation
In case of skin contact:	Flush exposed area with water for three to five minutes
In case of eye contact:	Flush exposed area with water for three to five minutes
If swallowed:	Seek medical attention.

5. FIRE-FIGHTING MEASURES

Flammable properties:	Plastic container and microwells are flammable
Suitable extinguishing media:	Appropriate for surrounding fire conditions.
Special protective equipment: for Fire-Fighters	Wear self-contained breathing apparatus and protective clothing to prevent exposure of skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Normal laboratory precautions; gloves, lab coat, eye ware.
Environmental precautions:	None
Methods for cleaning up:	Clean exposed surfaces with a solution of 0.5% sodium hypochlorite (10% Bleach).

7. HANDLING AND STORAGE

Handling	The FDA recommends at least a biosafety level 2 for handling the materials in this test kit.
Storage	The test kits should be stored at 2 to 8° C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal precautions	
Respiratory protection	None required
Hand protection	Surgical gloves
Eye protection	Standard laboratory eye ware
Skin and body protection	Typical laboratory coat or gown
Hygiene measures	No special measures required
Personal precautions	No special measures required
Respiratory protection	Wear surgical mask if indicated by local procedures

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Not classified as hazardous.
Form	Liquid
Color	Varies per component
Odor	None
Safety data	ASI Reagents contain sodium azide. Azides in contact with lead and copper plumbing may react to form highly explosive metal azides. When disposing of reagents containing azide, flush down the drain with large amounts of water to prevent azide build-up.

10. STABILITY AND REACTIVITY

Storage stability	Store at 2 – 8°C. The materials comprising this test kit are stable inert compounds.
Conditions to avoid	Avoid temperatures outside the range of 2 – 8°C. Avoid freezing.
Materials to avoid	None
Hazardous decomposition products	None
Hazardous reactions	None

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11. TOXICOLOGICAL INFORMATION

Potential health effects	Sodium azide is toxic and care should be taken to avoid ingestion.
Inhalation	May cause irritation
Skin	May cause irritation
Eyes	May cause irritation
Ingestion	Harmful if swallowed
Target organs	None known

12. ECOLOGICAL INFORMATION

Elimination information	When the materials in this test kit are properly disposed of (please see section 13), they pose no ecological threat.
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13. DISPOSAL CONSIDERATIONS

Product	Disposal should be done in accordance with existing disposal practices employed for infectious waste at your institution following all federal, state, and local environmental regulations. Reagents contain sodium azide at a concentration of 1 mg or lower. Azides are reported to react with lead and copper in plumbing to form compounds that may detonate on percussion. When disposing of solutions containing sodium azide, flush drains with large quantities of water to minimize the build-up of metal-azide compounds.
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14. TRANSPORTATION INFORMATION

DOT (US)	Classified non-corrosive.
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15. REGULATORY INFORMATION

	FDA510(k) K971672 premarket notification.
	CLIA, Moderately complex

16. OTHER

	To the best of our knowledge, the information provided in this Safety Data Sheet is accurate. ASI does not assume any liability for the accuracy or completeness of the information. Final suitability of a material is the responsibility of the user. All materials may present unknown hazards and should always be used with caution. Although hazards are described in this Safety Data Sheet, ASI does not guarantee that these issues are the only hazards that exist. The above information is believed to be correct but is not all inclusive and is intended only as a guide.
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