

# SAFETY DATA SHEET

Revision Date: April 2023

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	ASI MEASLES IgM TEST
Product number:	850096AM
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

<b>Emergency overview:</b>	This test kit should be handled only by qualified personnel, trained in laboratory procedures and familiar with their potential hazards. Specific warnings are given in the instructions for use. The absence of a specific warning should not be interpreted as an indication of safety.
<b>OSHA hazards:</b>	NFPA and HMIS ratings: Health = 2; Flammability = 0; Reactivity = 0
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
<b>Target organs:</b>	None
<b>Potential health effects:</b>	
Inhalation:	May cause irritation
Skin:	May cause irritation
Eyes:	May cause irritation
Ingestion:	May cause irritation
	Some of the components in this test kit were derived from materials of human origin. The absence of Hepatitis-B surface antigen, HIV 1 and 2 Antibodies, and Hepatitis-C Antibodies, has been certified by the supplier of these materials. Since no test can offer complete assurance that Hepatitis B virus, HIV virus or other infectious agents are absent, this kit should be handled at Biosafety Level 2, as recommended for any potentially infectious serum or blood specimen in the center for disease control / National Institute of Health Manual. Biosafety in Microbiological and Biomedical Laboratories, 1993 or latest edition.  The microwells in this test kit have been coated with measles virus antigen which has been certified by the supplier to be inactivated. The microwells should however, be handled as though capable of transmitting infection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula:	Reagents contained in kit: Component Plastic microwells: coated with inactivated measles virus 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
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Positive Control\*: Normal Human Serum  
Sample diluents: 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

## 4. FIRST AID MEASURES

<b>General Advice:</b>	The stop solution in this test kit is caustic.
If inhaled:	
In case of skin contact:	Flush the exposed area with water for three to five minutes.
In case of eye contact:	Flush the exposed area with water for three to five minutes.
If swallowed:	Call for medical assistance.

## 5. FIRE-FIGHTING MEASURES

Flammable properties:	With the exception of the plastic containers and microwells, the materials in this test kit Are not capable of supporting combustion.
Suitable extinguishing media:	Use 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

<b>Personal precautions:</b>	Certain components of this test kit are potentially biohazardous materials. Wear suitable protective clothing and glasses when working with the test kit and test specimens.
Environmental precautions:	No known risk to environment.
Methods for cleaning up:	Clean-up with water moistened cloth or mop. After material has been cleaned-up and removed, wash the spilled area site with a disinfectant cleaner.

## 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, and avoid freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal precautions	Certain components of this test kit are potentially biohazardous materials
Hand protection	Wear protective clothing when working with test kit and test specimens.
Eye protection	Wear protective glasses when working with test kit and test specimens
Skin and body protection	Wear protective clothing when working with test kit and test specimens.
Hygiene measures	No special measures required
Personal precautions	Wear protective clothing and glasses when working with test kit and test specimens.
Respiratory protection	Wear surgical mask if indicated by local procedures

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	The materials comprising this test kit are not classified as hazardous chemicals. .
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.

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## 10. STABILITY AND REACTIVITY

Storage stability	Refrigerate at 2 – 8°C
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

The materials comprising this test kit are stable inert compounds.

## 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; avoid ingestion.
Target organs	None known.

## 12. ECOLOGICAL INFORMATION

Elimination information	No ecological effects currently identified. 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. Observe all Federal (50 CFR 261.3) State and local environmental regulations. Certain of the test reagents in this test kit 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)	Non-hazardous.
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## 15. REGULATORY INFORMATION

	Released for sale in Interstate Commerce by Food and Drug Administration 510(K) Class I exempt. European information pending.
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## 16. OTHER

	The above information is believed to be correct but is not all inclusive and is intended only a guide.
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