

# SAFETY DATA SHEET

Revision Date: Aug 2014



Arlington Scientific, Inc.  
Springville, UT 84664  
www.arlingtonscientific.com

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	<b>ASI TPHA Test</b>
Product number:	980200E (Outside the USA only)
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 product is not classified according to the Global Harmonized System (GHS).
<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 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:	No irritating effect.
Skin:	No irritating effect.
Eyes:	No irritating effect.
Ingestion:	No irritating effect.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula:	Reagents contained in kit:  1. TPHA test cells. Preserved chicken erythrocytes, treated with tannic acid and coated with antigens to T palladium. The cells are washed and suspended in a medium containing: sorbent, rabbit serum and bovine serum albumin (USA source), 0.002% Gentamycin sulphate and 0.2% sodium azide as preservatives, and Tween 20 surfactant in a phosphate-buffered saline solution.  2. TPHA sample diluents – phosphate buffered saline solution containing absorbers (used to remove possible cross-reacting heterophile antibodies), ox stroma, rabbit serum, and Tween 20 surfactant in a phosphate-buffered saline solution preserved with 0.1% sodium azide.  3. Reactive, and nonreactive control reagents: human source materials as required for titer, in a phosphate-buffered saline solution with 0.1% sodium azide as a preservative. All compounds derived from human source materials have been tested at the donor level and found to be nonreactive for HBsAg and for HIV-1, HIV-2, and HIV antibodies. Because no known test offers complete assurance that infectious agents are absent, all materials derived from human blood should be handled as if capable of transmitting infection.
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## 4. FIRST AID MEASURES

<b>General Advice:</b>	Symptoms of mild discomfort may be exhibited after several hours; therefore observe for any medical symptoms for at least 48 hours.
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If inhaled:	Remove from source to fresh air. If breathing becomes difficult, call a physician.
In case of skin contact:	Wash thoroughly with soap and water. Remove contaminated clothing. Call a physician.
In case of eye contact:	Flush with large amounts of water or sterile eye wash. Use fingers to separate the eyelids for effective flushing. Call a physician.
If swallowed:	If conscious, wash out mouth with water. Call a physician.

## 5. FIRE-FIGHTING MEASURES

Flammable properties:	None
Suitable extinguishing media:	CO <sub>2</sub> , or multiple dry chemical or water spray.
Special protective equipment for Fire-Fighters	No special measures required.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Personal precautions, protective equipment, and emergency procedures are not required.
Environmental precautions:	Not a 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	Ensure adequate ventilation and fresh air supply in HVAC. Bring all products to room temperature prior to use.
Storage	Store at 2 – 8°C and. Avoid freezing

## 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 precautions required
Respiratory protection	Wear surgical mask if indicated by local procedures

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	Liquid
Color	Each kit item is unique color.
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	Refrigerate at 2 - 8 °C; do not freeze. Does not use after expiration date.
Conditions to avoid	Avoid temperatures outside the range of 2 – 8° C. Avoid freezing.
Materials to avoid	Azides in contact with lead and copper plumbing may react to form highly explosive metal azides. When disposing of reagents containing azides flush down the drain with large amounts of water to prevent azide build-up.
Hazardous decomposition products	
Hazardous reactions	Azides in contact with lead and copper plumbing may react to form highly explosive metal azides. When disposing of reagents containing azides flush down the drain with large amounts of water to prevent azide build-up

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## 11. TOXICOLOGICAL INFORMATION

Potential health effects	None
Inhalation	Not an irritant.
Skin	Not an irritant
Eyes	Not an irritant
Ingestion	Not an irritant
Target organs	None

## 12. ECOLOGICAL INFORMATION

Elimination information	No ecological effects currently identified.
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## 13. DISPOSAL CONSIDERATIONS

Product	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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## 14. TRANSPORTATION INFORMATION

DOT (US)	Non-hazardous.
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## 15. REGULATORY INFORMATION

	CLIA, Moderately complex
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## 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.
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