



## Immuno RPR (Syphilis)

RPR-100NC, RPR-1002C, RPR-1003C;  
RPR-500NC, RPR-5002C, RPR-5003C

### Kit Components

- RPR Reagent
- RPR Non-Reactive/Negative (-) Control Serum
- RPR Weakly Reactive (+) Control Serum
- RPR Reactive/Positive (++) Control Serum

## MATERIAL SAFETY DATA SHEET

## IMMUNO SYPHILIS RPR REAGENT

MSDS DATE: 07/10/2013

Complies with 91/155/EEC, 1907/2006 (REACH) and amendments, OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the requirements of the U.S. Department of Labor Occupational Safety & Health Administration.

## SECTION 1: PRODUCT IDENTIFICATION

<b>PRODUCT NAME:</b>	IMMUNO SYPHILIS RPR ( <b>REAGENT</b> )	<b>SERIES NAME:</b>	Immuno RPR
<b>CATALOGUE No.:</b>	RPR-100NC, RPR-1002C, RPR-1003C, RPR-500NC, RPR-5002C, RPR-5003C		
<b>PRODUCT USE:</b>	Rapid <i>in vitro</i> nontreponemal flocculation test for the qualitative detection of reagin antibodies as a screening test for syphilis in serum or plasma. See product literature for details.		
<b>MANUFACTURER:</b>	Immunostics, Inc. 1750 Brielle Ave. Suite A5 Ocean, NJ 07712	Telephone: +1 (732) 918-0770 Emergency: +1 (800) 424-9300 Fax: +1 (732) 918-0618 Email: <a href="mailto:Technical@Immunostics.com">Technical@Immunostics.com</a> Website: <a href="http://www.Immunostics.com">www.Immunostics.com</a>	Toll Free: +1 (800) 722-7505 Int'l: +1 (703) 527-3887

## SECTION 2: COMPOSITION

IMMUNO SYPHILIS RPR REAGENT contains 0.003% Cardiolipin, 0.09% Cholesterol, 0.020-0.022% Lecithin, 0.025 M EDTA, 0.01 M Na<sub>2</sub>HPO<sub>4</sub>, 0.01 M KH<sub>2</sub>PO<sub>4</sub>, 0.01875 Charcoal as visual enhancer, 0.5 g/L Thimerosal (preservative), 10.0% Choline Chloride, 10.0% Stabilizers and Distilled Water. There is no hazardous ingredient in concentration of greater than 1%.

## COMPOSITION:

	IUPAC; SYNONYMS	MOLECULAR FORMULA	IDENTIFIERS
Water	<b>Oxidane</b> ; Hydrogen oxide, Dihydrogen monoxide, Hydrogen monoxide, Dihydrogen oxide & Hydrogen hydroxide	H <sub>2</sub> O	CAS 7732-18-5 PUBCHEM 962 EC 231-791-2 UN N/A RTEC ZC0110000
EDTA	<b>2,2',2'',2'''-(Ethane-1,2-diylidinitrilo)tetraacetic acid</b> ; Diaminoethane-tetraacetic acid, Edetic acid, Ethylenedinitrilo-tetraacetic acid & Versene	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub>	CAS 60-00-4 PUBCHEM 6049 EC 200-449-4 UN 3077 RTEC AH4025000
Disodium phosphate	<b>Sodium hydrogen phosphate</b> ; Disodium hydrogen orthophosphate, Sodium hydrogen phosphate & Sodium phosphate dibasic	Na <sub>2</sub> HPO <sub>4</sub>	CAS 7558-79-4 PUBCHEM 24203 EC 200-210-4 UN N/A RTEC WC4500000
Thimerosal	<b>Ethyl(2-mercaptobenzoato-(2-)-O,S)mercurate(1-) sodium</b> Mercury((o-carboxyphenyl)thio)ethyl sodium salt;	C <sub>9</sub> H <sub>9</sub> HgNaO <sub>2</sub> S	CAS 54-64-8 PUBCHEM N/A EC 200-578-6 UN N/A RTEC OV8400000
Choline chloride	<b>2-hydroxy-N,N,N-trimethylethanaminium chloride, (2-hydroxyethyl) trimethylammonium chloride;</b>	C <sub>5</sub> H <sub>14</sub> ClNO	CAS 67-48-1 PUBCHEM 522265 EC N/A UN N/A RTEC N/A
Potassium phosphate	<b>Potassium dihydrogen phosphate</b> ; Potassium phosphate monobasic, Phosphoric acid & monopotassium salt	KH <sub>2</sub> PO <sub>4</sub>	CAS 7778-77-0 PUBCHEM 516951 EC N/A UN N/A RTEC TC6615500

## SECTION 3: HAZARDOUS INGREDIENTS

- Classification of the substance or mixture
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
- This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200, the Canada's Workplace Hazardous Materials Information System (WHMIS) and the European Directive 67/548/EEC and 1999/45/EC.

Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.



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Thimerosal

EU Index:

EU Classification: Very toxic (T+)

Dangerous for the environment (N)

OSHA PEL	ACGIH TLV	DFG MAK	NIOSH	Classification: 1999/45/EC & 67/548 EEC	
TWA: 0.01 mg/m3	TWA: 0.1 mg/m3 STEL: 0.03 mg/m3		Ceiling: 0.1 mg/m3	<b>Labeling</b>  	<b>R &amp; S Phrases</b> R26/27/28; R33; R50/53 <sup>1</sup> S3; S26; S28; S36/37/39; S45. <sup>2</sup>

**SECTION 4: FIRST AID MEASURES**

No special measures required

**EYES:** Wash eyes under gently running water for 15 minutes or longer, making sure that the eyelids are held open. Obtain medical attention.

**SKIN:** Flush contact area with cold water. Wash effected area with soap and water ... rinse thoroughly. Skin that has been bleached white will return to normal color within a few hours. If irritation persists, contact a physician.

**INGESTION:** Contact a physician or poison control center immediately. Do not induce vomiting unless instructed to do so by a certified medical authority.

**INHALATION:** Move victim into fresh air. If breathing is labored or victim loses consciousness contact a physician immediately. If breathing stops, administer artificial respiration; use oxygen as required. Contact a physician immediately.

**SECTION 5: FIRE & EXPLOSION HAZARD DATA**

FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: N/A

**HAZARD CLASSIFICATION:**

NFPA Rating (0-4)

0

0

0

Health

Poses no health hazard, no precautions necessary.

Instability/Reactivity

Normally stable, even under fire exposure conditions, and is not reactive with water.

HMIS Rating (0-4)

0

0

0

Flammability

Will not burn.

**EXTINGUISHING MEDIA:**

Use water, carbon dioxide, dry chemicals or universal-type foams applied as per manufacturer's recommendations.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear protective clothing. No special measures required.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None; No special measures required.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

None

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

If material is released or spilled, wear all appropriate protective equipment described in Section 8 before cleaning up the spill or handling contaminated material. Wipe up the spill and dispose of the contaminated material. Avoid creating aerosols or dust while cleaning up a spill.

After the material has been picked up and contained in a bag, wash the spill site with distilled or deionized water.

**Personal Precautions**

Use good laboratory procedures; avoid eye and skin contact. Protective equipment and emergency procedures not required.

**Spill and Leak Procedures**

Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.

**Environmental Precautions**

Contain spill to prevent migration. Wipe up with damp sponge or mop. No special measures required.

Reference to other sections, no dangerous substances are released.

**SECTION 7: HANDLING & STORAGE****HANDLING & STORAGE:**

Store as packaged at 2-8°C. Do Not freeze reagents.

**OTHER PRECAUTIONS:**

For in vitro diagnostic use. Do not substitute reagents from kits from other manufacturers. The kit is stable within the expiration date printed on the labeling. Once placed in the plastic dispensing bottle, RPR Reagent is stable for approximately 3 months when stored at 2-8°C, or until the expiration date, whichever occurs sooner. Allow to equilibrate to room temperature prior to use. Do Not Use beyond the expiration date printed on the labeling. Patient specimens and all materials coming into contact with them should be handled as if capable of transmitting infections and disposed of with proper precautions. Replace bottle closure when not in use. To maintain efficacy, store according to the instructions in the product labeling.

<sup>1</sup> R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed; R33: Danger of cumulative effects; R50/53: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

<sup>2</sup> S3 Keep in a cool place; 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; S36/37/39 Wear suitable protective clothing, gloves and eye/face protection; S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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Requirements to be met by storerooms and receptacles: No special requirements.  
Information about storage in one common storage facility: Store away from oxidizing agents.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****VENTILATION:** Well Ventilated**RESPIRATORY PROTECTION:** Use of this product should not require respiratory protection.**EYE PROTECTION:** Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.**SKIN PROTECTION:** Wear Impervious gloves, such as latex or equivalent, should be worn to prevent skin contact and especially cover any cuts, abrasions or skin lesions. Dispose of gloves as biohazardous material. Wash hands thoroughly after removing gloves. Use extreme caution with any sharp object to avoid percutaneous exposure to material. Wear outer protective garments such as a lab coat or gown. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** General protective and hygienic measures, the usual precautionary measures for handling chemicals should be followed.

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point:	Not determined
Freezing Point:	Not determined
Specific Gravity (H <sub>2</sub> O = 1):	Not determined
Vapor Pressure (mm Hg):	Not determined
Vapor Density (AIR = 1):	Not determined
Evaporation Rate (Butyl Acetate = 1):	Not determined
Solubility in Water:	Soluble
Appearance and Odor:	Liquid w/ Characteristic Scent

**SECTION 10: STABILITY AND REACTIVITY****STABILITY:** Is generally considered to be stable when stored according to approved labeling.**CONDITIONS TO AVOID:** Do not refrigerate or freeze.**INCOMPATIBILITY:** Strong oxidizing agents. Excessive temperatures.**HAZARDOUS DECOMPOSITION:** NONE; When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.**HAZARDOUS POLYMERIZATION:** NONE EXPECTED. No dangerous decomposition products known.**SECTION 11: TOXICOLOGICAL INFORMATION****TOXICOLOGICAL INFORMATION:**

	Oral LD50 Rat	Oral LD50 Mouse	IRRITATION DATA (Eyes) Rabbit
Thimerosal	98 mg/kg	91 mg/LD50	0.008 mg
			Remarks: Mild irritation effect

**Primary Routes of Exposure** The most likely routes of exposure are skin and eye contact. Inhalation may occur if mists are formed in product use.**Potential Effects of Acute Exposure** May cause irritation of skin and eyes by contact.**Potential Effects of Chronic Exposure** Chronic exposure may result in effects similar to those described for acute exposure.**Symptoms of Overexposure** None identified.**Carcinogenicity** No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.**Irritation/Sensitization** May cause sensitization by skin contact.**Other Effects** None identified.**Conditions Aggravated by Exposure** Individuals with eye and skin disorders may find these conditions aggravated by exposure to this product.**Mutagenicity** None identified.**Reproductive Toxicity** Reproductive effects have been reported in animal studies. (Thimerosal)

The product is not subject to OSHA classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.



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**SECTION 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	
Fresh Water Species	No information available.
Microtox	No information available.
<b>Biodegradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other Adverse Effects</b>	No information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

U.S. EPA, RCRA, CERCLA, SARA, or DGC information on persistent, bioaccumulative, and toxic chemicals (PBTs): The following chemicals are listed under the U.S. EPA regulations of RCRA, CERCLA, SARA, or DGC:

Components	EPA Designated Generic Categories (DGC) on PBTs	CERCLA/SARA PBTs	EPA Priority PBTs	RCRA Waste Minimization Priority Chemicals on PBTs
Thimerosal		Listed		Listed

**WASTE DISPOSAL METHOD:**

This product contains a low level (<0.05%) of thimerosal (mercury compound). Dispose of waste product, unused product and contaminated packaging in compliance with federal (40 CFR 261.3), state and local regulations. Must not be disposed of with solid waste. If unsure of the applicable requirements, contact the authorities for information.

Recommended cleansing agent: Water, if necessary with cleansing agents.

**WITH SPECIMEN:**

Patient specimens and all materials coming into contact with them should be handled as if capable of transmitting infections and disposed of with proper precautions.

**SECTION 14: TRANSPORT INFORMATION****DOT regulations:**

Hazard class: -

**Land transport ADR/RID (cross-border)**

ADR/RID class: -

**Maritime transport IMDG:**

IMDG Class: -

Marine pollutant: No

**Air transport ICAO-TI and IATA-DGR:**

ICAO/IATA Class: -

**Transport/Additional information:**

If a dashed line appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation.

**SECTION 15: REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS****SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

**SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

**TSCA (Toxic Substances Control Act)**

7732-18-5 water  
 67-48-1 choline chloride  
 7558-79-4 sodium phosphate, dibasic  
 7758-11-4 potassium phosphate, dibasic  
 54-64-8 thimerosal  
 57-88-5 cholesterol  
 8002-43-5 lecithin  
 7440-44-0 charcoal

**California Proposition 65 - Chemicals known to cause cancer**

None of the ingredients is listed.



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## California Proposition 65 - Chemicals known to cause reproductive toxicity

*Mercury and mercury compounds are chemicals known to the State of California to cause reproductive toxicity. Note: Contains less than or equal to 0.03% of an organic mercury compound. Foreseeable use of this product does not pose a known threat reproductive toxicity.*

## California Proposition 65 - Chemicals known to cause reproductive toxicity for females:

*None of the ingredients is listed.*

## California Proposition 65 - Chemicals known to cause reproductive toxicity for males:

*None of the ingredients is listed.*

## California Proposition 65 - Chemicals known to cause developmental toxicity:

*54-64-8 thimerosal*

## Carcinogenic categories

### NTP (National Toxicology Program)

*None of the ingredients is listed.*

### TLV (Threshold Limit Value established by ACGIH)

*None of the ingredients is listed.*

## National regulations

### Water hazard class

*Generally not hazardous for water.*

## EU REGULATIONS

**WATER HAZARD CLASS (GERMANY):** WGK 1, low water endangering

## CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. THIS PRODUCT IS EXEMPT FROM WHMIS LABEL AND SDS REQUIREMENTS.

## INGREDIENTS WITH UNKNOWN TOXICOLOGICAL PROPERTIES: Product is Exempt.

Some hazardous ingredients listed in Section 15 are below OSHAs and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 2.

## SECTION 16: OTHER INFORMATION

**Labeling:** This package conforms to 49 CFR 173.4

**NC Poison Control Center:** 1-800-672-1697

**DISCLAIMER:** The information provided in this Material Data Safety Sheet has been compiled from our experience and data presented in various technical publications. An MSDS for a substance is not primarily intended for use by the general consumer, focusing instead on the hazards of working with the material in an occupational setting. It is believed to be correct, however, it is the user's responsibility to determine the suitability of this information for the adoption of safety precautions deemed necessary. Immunostics, Inc. shall not be held liable for any damage resulting from handling or from contact with the product described in this MSDS. We reserve the right to update MSDS sheets from time to time as new information becomes available. It is the responsibility of the user to verify that they have the latest revision available.





**MATERIAL SAFETY DATA SHEET**

IMMUNO SYPHILIS RPR (Controls)

**MSDS DATE:** 07/10/2013

Complies with 91/155/EEC, 1907/2006 (REACH) and amendments,  
 OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the  
 requirements of the U.S. Department of Labor Occupational Safety &  
 Health Administration.

**SECTION 1: PRODUCT IDENTIFICATION**

**PRODUCT NAME:** IMMUNO SYPHILIS RPR: Non-Reactive(-); Weakly Reactive(+) & Reactive(++)  
**CATALOGUE No.:** RPR-100NC, RPR-1002C, RPR-1003C, RPR-500NC, RPR-5002C, RPR-5003C  
**PRODUCT USE:** Rapid *in vitro* nontreponemal flocculation test for the qualitative detection of reagin antibodies as a screening test for syphilis in serum or plasma. See product literature for details.

**SERIES NAME:** Immuno RPR

**MANUFACTURER:** Immunostics, Inc.  
 1750 Brielle Ave.  
 Suite A5  
 Ocean, NJ 07712

**Telephone:** +1 (732) 918-0770  
**Emergency:** +1 (800) 424-9300  
**Fax:** +1 (732) 918-0618  
**Email:** [Technical@Immunostics.com](mailto:Technical@Immunostics.com)  
**Website:** [www.Immunostics.com](http://www.Immunostics.com)

**Toll Free:** +1 (800) 722-7505  
**Int'l:** +1 (703) 527-3887

**SECTION 2: COMPOSITION**

IMMUNO SYPHILIS RPR (Controls): Non-Reactive/Negative (-); Weakly Reactive (+) & Reactive/Positive (++) contains Human serum or defibrinated plasma, with 0.05% Thimerosal as a preservative.

All components derived from human source materials have been tested and found to be non-reactive for HbsAg and antibodies to HIV and HCV. Given that 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.



**COMPOSITION:**

	IUPAC; SYNONYMS	MOLECULAR FORMULA	IDENTIFIERS
Thimerosal	Ethyl(2-mercaptobenzoato-(2-)-O,S)mercurate(1-) sodium Mercury((o-carboxyphenyl)thio)ethyl sodium salt;	C <sub>9</sub> H <sub>9</sub> HgNaO <sub>2</sub> S	CAS 54-64-8 PUBCHEM N/A EC 200-578-6 UN N/A RTEC OV8400000

**SECTION 3: HAZARDOUS INGREDIENTS**

- Classification of the substance or mixture
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
- *This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200, the Canada's Workplace Hazardous Materials Information System (WHMIS) and the European Directive 67/548/EEC and 1999/45/EC.*

Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

	OSHA PEL	ACGIH TLV	DFG MAK	NIOSH	Classification: 1999/45/EC & 67/548 EEC
Thimerosal	TWA: 0.01 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.03 mg/m <sup>3</sup>		Ceiling: 0.1 mg/m <sup>3</sup>	
EU Index:					
EU Classification:	Very toxic (T+)				
Dangerous for the environment (N)					
					<b>Labeling</b>  
					<b>R &amp; S Phrases</b> R26/27/28; R33; R50/53 <sup>3</sup> S3; S26; S28; S36/37/39; S45. <sup>4</sup>

**SECTION 4: FIRST AID MEASURES**

No special measures required

**EYES:** Wash eyes under gently running water for 15 minutes or longer, making sure that the eyelids are held open. Obtain medical attention.

**SKIN:** Flush contact area with cold water. Wash effected area with soap and water ... rinse thoroughly. Skin that has been bleached white will return to normal color within a few hours. If irritation persists, contact a physician.

**INGESTION:** Contact a physician or poison control center immediately. Do not induce vomiting unless instructed to do so by a certified medical authority.

**INHALATION:** Move victim into fresh air, If breathing is labored or victim loses consciousness contact a physician immediately, If breathing stops, administer artificial respiration; use oxygen as required. Contact a physician immediately.

<sup>3</sup> R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed; R33: Danger of cumulative effects; R50/53: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

<sup>4</sup> S3 Keep in a cool place; 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; S36/37/39 Wear suitable protective clothing, gloves and eye/face protection; S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



**MATERIAL SAFETY DATA SHEET**

IMMUNO SYPHILIS RPR (Controls)

**MSDS DATE:** 07/10/2013**SECTION 5: FIRE & EXPLOSION HAZARD DATA****FLASH POINT:** N/A**AUTOIGNITION TEMPERATURE:** N/A**HAZARD CLASSIFICATION:****NFPA Rating (0-4)**

0

0

0

**Health**

Poses no health hazard, no precautions necessary.

**Instability/Reactivity**

Normally stable, even under fire exposure conditions, and is not reactive with water.

**HMIS Rating (0-4)**

0

0

0

**Flammability**

Will not burn.

**EXTINGUISHING MEDIA:**

Use water, carbon dioxide, dry chemicals or universal-type foams applied as per manufacturer's recommendations.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear protective clothing. No special measures required.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None; No special measures required.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

None

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

If material is released or spilled, wear all appropriate protective equipment described in Section 8 before cleaning up the spill or handling contaminated material. Wipe up the spill and dispose of the contaminated material. Avoid creating aerosols or dust while cleaning up a spill.

After the material has been picked up and contained in a bag, wash the spill site with distilled or deionized water.

**Personal Precautions**

Use good laboratory procedures; avoid eye and skin contact. Protective equipment and emergency procedures not required.

**Spill and Leak Procedures**

Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.

**Environmental Precautions**

Contain spill to prevent migration. Wipe up with damp sponge or mop. No special measures required.

Reference to other sections, no dangerous substances are released.

**SECTION 7: HANDLING & STORAGE****HANDLING & STORAGE:**

Store as packaged at 2-8°C. Do Not freeze reagents.

**OTHER PRECAUTIONS:**

For in vitro diagnostic use. Do not substitute reagents from kits from other manufacturers. The kit is stable within the expiration date printed on the labeling. Allow to equilibrate to room temperature prior to use. Do Not Use beyond the expiration date printed on the labeling. Patient specimens and all materials coming into contact with them should be handled as if capable of transmitting infections and disposed of with proper precautions. Replace bottle closure when not in use. To maintain efficacy, store according to the instructions in the product labeling.

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from oxidizing agents.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****VENTILATION :** Well Ventilated**RESPIRATORY PROTECTION:** Use of this product should not require respiratory protection.**EYE PROTECTION:** Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.**SKIN PROTECTION:** Wear Impervious gloves, such as latex or equivalent, should be worn to prevent skin contact and especially cover any cuts, abrasions or skin lesions. Dispose of gloves as biohazardous material. Wash hands thoroughly after removing gloves. Use extreme caution with any sharp object to avoid percutaneous exposure to material. Wear outer protective garments such as a lab coat or gown. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** General protective and hygienic measures, the usual precautionary measures for handling chemicals should be followed.

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. 00

**SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS****Boiling Point:**

Not determined

**Freezing Point:**

Not determined

**Specific Gravity (H<sub>2</sub>O = 1):**

Not determined





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Vapor Pressure (mm Hg): *Not determined*  
 Vapor Density (AIR = 1): *Not determined*  
 Evaporation Rate (Butyl Acetate = 1): *Not determined*  
 Solubility in Water: Soluble  
 Appearance and Odor: Liquid w/ Characteristic Scent

**SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** Is generally considered to be stable when stored according to approved labeling.

**CONDITIONS TO AVOID:** Do not refrigerate or freeze.

**INCOMPATIBILITY:** Strong oxidizing agents. Excessive temperatures.

**HAZARDOUS DECOMPOSITION:** NONE; When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

**HAZARDOUS POLYMERIZATION:** NONE EXPECTED. No dangerous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****TOXICOLOGICAL INFORMATION:**

	Oral LD50 Rat	Oral LD50 Mouse	IRRITATION DATA (Eyes) Rabbit
Thimerosal	98 mg/kg	91 mg/LD50	0.008 mg
Remarks: Mild irritation effect			

**Primary Routes of Exposure** The most likely routes of exposure are skin and eye contact. Inhalation may occur if mists are formed in product use.

**Potential Effects of Acute Exposure** May cause irritation of skin and eyes by contact.

**Potential Effects of Chronic Exposure** Chronic exposure may result in effects similar to those described for acute exposure.

**Symptoms of Overexposure** None identified.

**Carcinogenicity** No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.

**Irritation/Sensitization** May cause sensitization by skin contact.

**Other Effects** None identified.

**Conditions Aggravated by Exposure** Individuals with eye and skin disorders may find these conditions aggravated by exposure to this product.

**Mutagenicity** None identified.

**Reproductive Toxicity** Reproductive effects have been reported in animal studies. (*Thimerosal*)

The product is not subject to OSHA classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Fresh Water Species** No information available.

**Microtox** No information available.

**Biodegradability** No information available.

**Bioaccumulation** No information available.

**Mobility** No information available.

**Other Adverse Effects** No information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**U.S. EPA, RCRA, CERCLA, SARA, or DGC information on persistent, bioaccumulative, and toxic chemicals (PBTs):** The following chemicals are listed under the U.S. EPA regulations of RCRA, CERCLA, SARA, or DGC:

Components	EPA Designated Generic Categories (DGC) on PBTs	CERCLA/SARA PBTs	EPA Priority PBTs	RCRA Waste Minimization Priority Chemicals on PBTs
Thimerosal		Listed		Listed

**WASTE DISPOSAL METHOD:** This product contains a low level (<0.05%) of thimerosal (mercury compound). Dispose of waste product, unused product and contaminated packaging in compliance with federal (40 CFR 261.3), state and local regulations. Must not be disposed of with solid waste. If unsure of the applicable requirements, contact the authorities for information.

Recommended cleansing agent: Water, if necessary with cleansing agents.



# MATERIAL SAFETY DATA SHEET

IMMUNO SYPHILIS RPR (Controls)

MSDS DATE: 07/10/2013

**WITH SPECIMEN:** Patient specimens and all materials coming into contact with them should be handled as if capable of transmitting infections and disposed of with proper precautions.

## SECTION 14: TRANSPORT INFORMATION

### DOT regulations:

Hazard class: -

### Land transport ADR/RID (cross-border)

ADR/RID class: -

### Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

### Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

### Transport/Additional information:

If a dashed line appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation.

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

#### SARA Section 355 (extremely hazardous substances)

*None of the ingredients is listed.*

#### SARA Section 313 (specific toxic chemical listings)

*None of the ingredients is listed.*

#### TSCA (Toxic Substances Control Act)

54-64-8 thimerosal

#### California Proposition 65 - Chemicals known to cause cancer

*None of the ingredients is listed.*

#### California Proposition 65 - Chemicals known to cause reproductive toxicity

*Mercury and mercury compounds are chemicals known to the State of California to cause reproductive toxicity. Note: Contains less than or equal to 0.03% of an organic mercury compound. Foreseeable use of this product does not pose a known threat reproductive toxicity.*

#### California Proposition 65 - Chemicals known to cause reproductive toxicity for females:

*None of the ingredients is listed.*

#### California Proposition 65 - Chemicals known to cause reproductive toxicity for males:

*None of the ingredients is listed.*

#### California Proposition 65 - Chemicals known to cause developmental toxicity:

54-64-8 thimerosal

#### Carcinogenic categories

##### NTP (National Toxicology Program)

*None of the ingredients is listed.*

##### TLV (Threshold Limit Value established by ACGIH)

*None of the ingredients is listed.*

#### National regulations

##### Water hazard class

*Generally not hazardous for water.*

### EU REGULATIONS

**WATER HAZARD CLASS (GERMANY):** WGK 1, low water endangering

### CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. THIS PRODUCT IS EXEMPT FROM WHMIS LABEL AND SDS REQUIREMENTS.

### INGREDIENTS WITH UNKNOWN TOXICOLOGICAL PROPERTIES: Product is Exempt.

Some hazardous ingredients listed in Section 15 are below OSHA's and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 2.0

## SECTION 16: OTHER INFORMATION

### Labeling:

This package conforms to 49 CFR 173.4

NC Poison Control Center: 1-800-672-1697

## **MATERIAL SAFETY DATA SHEET**

IMMUNO SYPHILIS RPR (Controls)

**MSDS DATE:** 07/2013

**DISCLAIMER:** The information provided in this Material Data Safety Sheet has been compiled from our experience and data presented in various technical publications. An MSDS for a substance is not primarily intended for use by the general consumer, focusing instead on the hazards of working with the material in an occupational setting. It is believed to be correct, however, it is the user's responsibility to determine the suitability of this information for the adoption of safety precautions deemed necessary. Immunostics, Inc. shall not be held liable for any damage resulting from handling or from contact with the product described in this MSDS. We reserve the right to update MSDS sheets from time to time as new information becomes available. It is the responsibility of the user to verify that they have the latest revision available.



# NFPA 704

Health (Blue)		Flammability (Red)	
0	Poses no health hazard, no precautions necessary (e.g., <a href="#">water</a> )	0	Will not burn (e.g., <a href="#">argon</a> )
1	Exposure would cause irritation with only minor residual injury (e.g., <a href="#">acetone</a> )	1	Must be heated before ignition can occur (e.g., <a href="#">mineral oil</a> ). <a href="#">Flash point</a> over 93°C (200°F)
2	Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury (e.g., <a href="#">ethyl ether</a> )	2	Must be moderately heated or exposed to relatively high ambient temperature before ignition can occur (e.g., <a href="#">diesel fuel</a> ). <a href="#">Flash point</a> between 38°C (100°F) and 93°C (200°F)
3	Short exposure could cause serious temporary or moderate residual injury (e.g., <a href="#">chlorine gas</a> )	3	Liquids and solids that can be ignited under almost all ambient temperature conditions (e.g., <a href="#">gasoline</a> ). Liquids having a <a href="#">Flash point</a> below 23°C (73°F) and having a Boiling point at or above 38°C (100°F) or having a <a href="#">Flash point</a> between 23°C (73°F) and 38°C (100°F)
4	Very short exposure could cause death or major residual injury (e.g., <a href="#">hydrogen cyanide</a> , <a href="#">phosphine</a> , <a href="#">carbon monoxide</a> )	4	Will rapidly or completely vaporize at normal atmospheric pressure and temperature, or is readily dispersed in air and will burn readily (e.g., <a href="#">propane</a> , <a href="#">hydrogen</a> ). <a href="#">Flash point</a> below 23°C (73°F)

Instability/Reactivity (Yellow)		Special (White)	
0	Normally stable, even under fire exposure conditions, and is not reactive with water (e.g. <a href="#">helium</a> )		The white "special notice" area can contain several symbols. The following symbols are defined by the NFPA 704 standard.
1	Normally stable, but can become unstable at elevated temperatures and pressures (e.g. <a href="#">propene</a> )		
2	Undergoes violent chemical change at elevated temperatures and pressures, reacts violently with water, or may form explosive mixtures with water (e.g., <a href="#">phosphorus</a> , <a href="#">potassium</a> , <a href="#">sodium</a> )	OX	<a href="#">Oxidizer</a> (e.g., <a href="#">potassium perchlorate</a> , <a href="#">ammonium nitrate</a> , <a href="#">hydrogen peroxide</a> )
3	Capable of detonation or explosive decomposition but requires a strong initiating source, must be heated under confinement before initiation, reacts explosively with water, or will detonate if severely shocked (e.g. <a href="#">ammonium nitrate</a> )	W	Reacts with <a href="#">water</a> in an unusual or dangerous manner (e.g., <a href="#">cesium</a> , <a href="#">sodium</a> , <a href="#">sulfuric acid</a> )
4	Readily capable of <a href="#">detonation</a> or <a href="#">explosive decomposition</a> at normal temperatures and pressures (e.g., <a href="#">nitroglycerine</a> , <a href="#">Trinitrotoluene</a> )		

<p><b>CHEMTREC®</b> (24 hours)  <b>1-800-424-9300</b>  (Toll-free in the U.S., Canada, and the U.S. Virgin Islands)  For calls originating elsewhere:  <b>703-527-3887</b> (Collect calls are accepted)</p>	<p><b>CHEMTEL, INC.</b> (24 hours)  <b>1-888-255-3924</b>  (Toll-free in the U.S., Canada, Puerto Rico and the U.S. Virgin Islands)  For calls originating elsewhere:  <b>813-248-0585</b> (Collect calls are accepted)</p>
<p><b>INFOTRAC</b> (24 hours)  <b>1-800-535-5053</b>  (Toll-free in the U.S., Canada, and the U.S. Virgin Islands)  For calls originating elsewhere:  <b>352-323-3500</b> (Collect calls are accepted)</p>	<p><b>3E COMPANY</b> (24 hours)  <b>1-800-451-8346</b>  (Toll-free in the U.S., Canada, and the U.S. Virgin Islands)  For calls originating elsewhere:  <b>760-602-8703</b> (Collect calls are accepted)</p>

The emergency response information services shown above have requested to be listed as providers of emergency response information and have agreed to provide emergency response information to all callers. They maintain periodically updated lists of state and Federal radiation authorities who provide information and technical assistance on handling incidents involving radioactive materials.

## NATIONWIDE POISON CONTROL CENTER (United States Only)

Emergency and information calls are answered by the nearest Poison Center (24 hours): **1-800-222-1222** (toll-free in the U.S.).

## NATIONAL RESPONSE CENTER (NRC)

The NRC, which is operated by the U.S. Coast Guard, receives reports required when dangerous goods and hazardous substances are spilled. After receiving notification of an incident, the NRC will immediately notify the appropriate Federal On-Scene Coordinator and concerned Federal agencies. Federal law requires that anyone who releases into the environment a reportable quantity of a hazardous substance (including oil when water is, or may be affected) or a material identified as a marine pollutant must **immediately** notify the NRC. When in doubt as to whether the amount released equals the required reporting levels for these materials, the NRC should be notified.

CALL NRC (24 hours) **1-800-424-8802** (Toll-free in the U.S., Canada, and the U.S. Virgin Islands)  
**202-267-2675** in the District of Columbia

Calling the emergency response telephone number, CHEMTREC®, CHEMTEL, INC., INFOTRAC or 3E COMPANY, does not constitute compliance with regulatory requirements to call the NRC