

Material Safety Data Sheet

Product Catalog Number: 591-050	Note:
Name (on Label): ATAC® hsCRP Reagent Kit	

Section I - NAME AND PRODUCT	
Manufacturer's Name: Vital Diagnostics, Inc.	Emergency Telephone Number: 1-760-602-8700
Address: 27 Wellington Road Lincoln, RI 02865	Telephone Number for Information: 1-401-642-8400; 1-800-345-2822
	Date Prepared: 6/1/08

Section II - Hazard Ingredients/Identity Information								
Hazardous Components	CAS #	NFPA			Conc.	% (WT)	TLV	OSHA PEL
		Health	Fire	Reactivity				
Dextran	9004-54-0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EDTA (Ethylenediaminetetraacetate)	6381-92-6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium Azide	26628-22-8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sodium Chloride	7647-14-3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Amino <tris(hydroxymethyl)me </tris(hydroxymethyl)me thane (Trizma Base, Tris)	77-86-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polystyrene particles	9003-53-6	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).
TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

Section III - Physical/Chemical Characteristics	
Boiling Point: N/A	Specific Gravity (H₂O = 1): N/A
Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
Vapor Density (AIR = 1): N/A	Evaporation Rate: N/A (Butyl Acetate = 1)
Solubility in Water:	Other Physical Data: N/A
Appearance and Odor: Reagent 1: Buffered aqueous solution. Reagent 2: White suspension of polystyrene particles in aqueous solution.	

Section IV - Fire and Explosion Hazard Data		
Flash Point (Method Used): N/A	Flammable Limits	
	Lower Explosive Limit:	Upper Explosive Limit:
	N/A	N/A
Extinguishing Media: Dry chemical, water, CO ₂ foam extinguisher.		
Special Fire Fighting Procedures: Respiratory equipment		
Unusual Fire and Explosion Hazards: Sodium azide is reactive. Amino <tris(hydroxymethyl)methane, dextrane,="" edta="" emit="" fire.<="" fumes="" in="" td="" toxic=""> </tris(hydroxymethyl)methane,>		

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Section V - Reactivity Data			
Stability: N/A	Unstable		Conditions to Avoid: N/A
	Stable		
<p>Incompatibility (<i>Materials to Avoid</i>): Sodium azide is reactive with heavy metals, strong oxidizers, strong acids, and acids. Sodium chloride is incompatible with lithium and Bromine trifluoride. EDTA is incompatible with strong oxidizing agents. Amino<i>tris</i>(hydroxymethyl)methane is incompatible with bases and oxidizing agents.</p>			
Hazardous Decomposition or Byproducts:			
Hazardous Polymerization	May Occur		Conditions to Avoid: N/A
	Will Not Occur		

Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation: Yes	Skin: Yes	Ingestion: Yes
<p>Health Hazards (<i>Acute and Chronic</i>): Chronic: N/A Acute: N/A</p>			
Carcinogenicity: N/A	NTP: N/A	IARC Monographs: N/A	OSHA Regulated:
<p>Signs and Symptoms of Exposure: Sodium Azide: Headaches, nausea, shortness of breath, and vomiting. Target organs: heart, nervous system. Pure EDTA: Convulsions or lowering of seizure threshold, effects on fertility Oral Rat LD50 = 2000 mg/Kg can irritate lungs, eyes and skin. Pure Sodium Chloride: Somnolence, convulsions, effect on seizure threshold, muscle spasticity, cardiac effects (increased blood pressure), effects on fertility, fetotoxic. May cause dehydration. Irritant to eyes. Pure Amino<i>tris</i>(hydroxymethyl)methane: Somnolence, muscle weakness, and come. Can irritate eyes and skin. Pure Dextran: May cause skin irritation.</p>			
Medical Conditions Generally Aggravated by Exposure: N/A			
<p>Emergency and First Aid Procedures: Ingestion: If accidental ingested seek medical assistance immediately. Skin: Wash skin thoroughly with soap and water. If topical symptoms seek medical assistance immediately. Eyes: Rinse eyes immediately with water. Inhalation:</p>			

Section VII - Precautions for Safe Handling and Use
<p>Steps to Be Taken in Case Material is Released or Spilled: Wear gloves and protective garments. After spillage, mop up with absorbent material, (e.g. cotton, wool or paper towels. Flush away with plenty of water to prevent accumulation. Dispose of this product in accordance with State and Federal regulations.</p>
<p>Waste Disposal Method: Dispose of in accordance with State and Federal regulations.</p>
<p>Precautions to Be taken in Handling and Storing: Store at temperatures specified on bottle labels (2-8°C). Keep container tightly closed and free from contamination.</p>
<p>Other Precautions: N/A</p>

Section VIII - Control Measures		
Respiratory Protection (<i>Specify Type</i>): N/A		
Ventilation:	Local Exhaust: N/A	Protective Gloves: Chemical resistant gloves
	Mechanical (<i>General</i>): N/A	Eye Protection: Safety glasses
	Special: N/A	Other Protective Clothing or Equipment: Lab coat
	Other: Prevent contact with skin and mucous membranes by wearing appropriate protective equipment.	Work/Hygienic Practices: Normal laboratory practices recommended.

Section IX - Other Information
<p>Miscellaneous Information: The full chemical, physical, toxicological, and carcinogenic properties of this dilute solution have not been fully investigated. This material is intended for use with biomedical materials and should only be used by individuals properly trained in disposal procedures required for biomedical wastes and in personal safety techniques used in clinical laboratories. The information provided herein is believed to be correct, however no warranties expressed or implied are made regarding this information.</p>
<p><i>The information contained in this document is believed to be factual, however, nothing presented herein is to be taken as a warranty or representation for which Vital Diagnostics shall be liable.</i></p>