

# Material Safety Data Sheet

<b>Product Catalog Number:</b> 343-004	<b>Note:</b> All human components used in the manufacture of this kit have been tested by FDA approved detection methods for Hepatitis B Surface Antigen (HBsAG), Hepatitis C (HCV), and human Immunodeficiency Virus (HIV) antibodies and were found to be negative or non-reactive. <b>WARNING:</b> Since no test method can assure that products derived from human blood do not contain infectious agents, calibrators, controls, and patient samples should be handled as though capable of transmitting infectious diseases.
<b>Name (on Label):</b> ATAC <sup>®</sup> Direct LDL Calibrator Kit	

## Section I - NAME AND PRODUCT

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

## Section II - Hazard Ingredients/Identity Information

Hazardous Components	CAS #	NFPA			Conc.	% (WT)	TLV	OSHA PEL
		Health	Fire	Reactivity				
Sodium azide	26628-22-8	N/A	N/A	N/A	N/A	<0.1%	20 mg/kg	N/A
Human Serum	N/A	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

<b>Boiling Point:</b> N/A	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> N/A
<b>Vapor Pressure (mm Hg.):</b> N/A	<b>Melting Point:</b> N/A
<b>Vapor Density (AIR = 1):</b> N/A	<b>Evaporation Rate:</b> (Butyl Acetate = 1)
<b>Solubility in Water:</b> Soluble in water	<b>Other Physical Data:</b> N/A
<b>Appearance and Odor:</b> Pale yellow powder	

## Section IV - Fire and Explosion Hazard Data

<b>Flash Point (Method Used):</b> N/A	<b>Flammable Limits</b>	
	<b>Lower Explosive Limit:</b>	<b>Upper Explosive Limit:</b>
	N/A	N/A
<b>Extinguishing Media:</b> Water, CO <sub>2</sub> , Chemical Foam		
<b>Special Fire Fighting Procedures:</b> None.		
<b>Unusual Fire and Explosion Hazards:</b> None.		

Section V - Reactivity Data			
<b>Stability:</b>	Unstable		<b>Conditions to Avoid:</b> Excessive heat may damage the material. Avoid contact with heavy metals or acids.
	Stable	X	
<b>Incompatibility</b> ( <i>Materials to Avoid</i> ): Acid chlorides, nitrogen oxides, and heavy metals			
<b>Hazardous Decomposition or Byproducts:</b> NO <sub>2</sub> , NO			
<b>Hazardous Polymerization</b>	May Occur		<b>Conditions to Avoid:</b> N/A
	Will Not Occur	X	

Section VI - Health Hazard Data			
<b>Route(s) of Entry:</b>	<b>Inhalation:</b> Yes	<b>Skin:</b> Yes	<b>Ingestion:</b> Yes
<b>Health Hazards</b> ( <i>Acute and Chronic</i> ): Chronic: N/A Acute: N/A			
<b>Carcinogenicity:</b>	<b>NTP:</b> N/A	<b>IARC Monographs:</b> N/A	<b>OSHA Regulated:</b> N/A
<b>Signs and Symptoms of Exposure:</b> N/A			
<b>Medical Conditions Generally Aggravated by Exposure:</b> N/A			
<b>Emergency and First Aid Procedures:</b>			
<b>Ingestion:</b> If swallowed, wash out mouth with water provided the person is conscious, induce vomiting. If conscious, dilute by giving water, milk, or milk of magnesia to drink. Call a physician.			
<b>Skin:</b> In case of contact with skin, remove contaminated clothing and flush the area with copious amounts of water.			
<b>Eyes:</b> In case of contact with the eyes, remove contact lenses and flush the area with copious amounts of water. Assure adequate flushing of the eye by separating the eyelids with fingers. Call a physician.			
<b>Inhalation:</b> If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.			

Section VII - Precautions for Safe Handling and Use
<b>Steps to Be Taken in Case Material is Released or Spilled:</b> Wear protective equipment. Contain spill with absorbent material and place in container for disposal. Ventilate area and wash spill site after pickup is complete.
<b>Waste Disposal Method:</b> Disposal should be made in accordance with existing disposal practices employed at your institution. Explosive metal azides may be formed on contact with copper or lead plumbing; take appropriate precautions. Observe all federal, state, and local laws.
<b>Precautions to Be taken in Handling and Storing:</b> Store tightly closed in a cool, dry place with adequate ventilation. Long-term storage at 2-8°C is recommended. Avoid prolonged exposure to direct sunlight.
<b>Other Precautions:</b> None.

<b>Section VIII - Control Measures</b>		
<b>Respiratory Protection</b> ( <i>Specify Type</i> ): Wear protective mask.		
<b>Ventilation:</b>	<b>Local Exhaust:</b> Work in a mechanically exhausted area. <b>Mechanical (General):</b> N/A <b>Special:</b> N/A <b>Other:</b> N/A	<b>Protective Gloves:</b> Rubber or latex gloves. <b>Eye Protection:</b> Wear safety glasses or goggles. <b>Other Protective Clothing or Equipment:</b> Lab coat or other long sleeved garment. <b>Work/Hygienic Practices:</b> N/A

<b>Section IX – Other Information</b>
<b>Miscellaneous Information:</b> N/A
<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>