

# Material Safety Data Sheet

<b>Product Catalog Number:</b> 502-018  <b>Name (on Label):</b> ATAC PAK® Albumin Reagent Kit	<b>Note:</b> All ingredients in this product are not hazardous according to the criteria of Worksafe Australia and OSHA Communication Standard 29 CFR 1910.1200
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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				
None	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> Soluable	<b>Other Physical Data:</b> pH 4.20 ± 0.05 @ 19-22°C
<b>Appearance and Odor:</b> Clear, dark yellow-green solution.	

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> Use extinguishing media suitable for surrounding fire situation.		
<b>Special Fire Fighting Procedures:</b> Fire fighters wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.		
<b>Unusual Fire and Explosion Hazards:</b> If safe to do so, move undamaged containers from fire area.		

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Section V - Reactivity Data			
<b>Stability:</b> Stable under normal conditions of use	Unstable		<b>Conditions to Avoid:</b> N/A
	Stable	X	
<b>Incompatibility</b> ( <i>Materials to Avoid</i> ): Strong oxidizing agents.			
<b>Hazardous Decomposition or Byproducts:</b> Decomposes on heating emitting indeterminate decomposition products.			
<b>Hazardous Polymerization</b>	May Occur		<b>Conditions to Avoid:</b> Generation of mists.
	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: Prolonged or repeated skin exposure may cause skin rashes in some susceptible individuals. Acute: Drinking large quantities of this product, may cause irritation to mouth, throat, and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhea. Eye: May cause mild irritation to the eyes, with effects including tearing and blurred vision. These effects are anticipated to be of a transient (short acting) nature and no long-term injury is envisaged. Skin: May cause mild irritation to the skin. Not anticipated to be absorbed through the skin. Inhaled: If the product is heated, the mists generated from the product may cause irritation to the stomach, throat and upper respiratory system.			
<b>Carcinogenicity:</b> N/A	<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, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF. <b>Skin:</b> If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, transport to hospital or doctor. <b>Eyes:</b> If liquid or mists enter the eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation develops or persists, immediately transport to a hospital or doctor. <b>Inhalation:</b> Move victim to fresh air. Apply resuscitation if victim is not breathing.			

### Section VII - Precautions for Safe Handling and Use

**Steps to Be Taken in Case Material is Released or Spilled:** Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. If large quantities of this product have spilled, then bund area using sand or soil – to prevent run off into drains and waterways. Place absorbent (soil, sand, or other inert material) onto spill. Collect and seal in properly labeled containers. For small spills (less than 1 L) flush to drain with large quantities of water.

**Waste Disposal Method:** Refer to appropriate authority in your state. Normally suitable for disposal by approved waste disposal agent.

**Precautions to Be taken in Handling and Storing:** Store in a dry place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Keep containers closed when not using the product. When stored at 15-30°C the reagent will be stable until the expiry date on the bottle. Store in original packages as approved by manufacturer.

**Other Precautions:** N/A

### Section VIII - Control Measures

**Respiratory Protection** (*Specify Type*): Not required.

<b>Ventilation:</b>	<b>Local Exhaust:</b> Maintain adequate ventilation at all times. No other measures are required for this product.	<b>Protective Gloves:</b> Glove not normally required, however, if handling large quantities the use of natural rubber is recommended.
	<b>Mechanical</b> ( <i>General</i> ):	<b>Eye Protection:</b> Goggles or face shield for spills.
	<b>Special:</b> N/A	<b>Other Protective Clothing or Equipment:</b>
	<b>Other:</b> N/A	<b>Work/Hygienic Practices:</b> Normal laboratory practices

### Section IX – Other Information

**Miscellaneous Information:** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6<sup>th</sup> edition. Not classified as a Dangerous Good according to the UN, DOT (US), ICAO (IATA) or IMO (IMDG).

*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.*