



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	POSITIVE CONTROL
Version #	01
Revision date	01-26-2010
Product Code	P00346
Product use	The Platelet PGD Test is a rapid, qualitative immunoassay for the detection of aerobic and anaerobic Gram-positive and Gram-negative bacteria in • leukocyte reduced apheresis platelets (LRAP) as an adjunct quality control test following testing with a bacterial detection device cleared by the FDA for quality control testing of LRAP and • pools of up to six (6) units of leukocyte reduced and non-leukocyte reduced whole blood derived platelets that are pooled within four (4) hours of transfusion as a quality control test.
Manufacturer/Supplier	Verax Biomedical Inc. 377 Plantation Street Worcester , MA 01605 General Information: 1-866 948-3729
Emergency	24 Hour Emergency: 1-760-476-9362

2. Hazards Identification

Physical state	Liquid.
Appearance	Pale yellow, odorless liquid.
Emergency overview	Health injuries are not known or expected under normal use. Minimal risk if used as directed.
OSHA regulatory status	This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects	
Routes of exposure	None anticipated, when used as directed.
Eyes	Health injuries are not known or expected under normal use.
Skin	Health injuries are not known or expected under normal use.
Inhalation	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use.
Chronic effects	This product contains human sourced and/or potentially infectious components.
Potential environmental effects	May cause long-term adverse effects in the environment.

3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.
No ingredients are present at or above the minimum concentration specified on the WHMIS Ingredient Disclosure List.

4. First Aid Measures

First aid procedures	
Eye contact	Flush eyes with copious amounts of water. Get medical attention if irritation develops or persists.
Skin contact	Wash affected area with mild soap and water. Get medical attention if irritation develops and persists.
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion	Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, call a poison control center immediately.
Notes to physician	Treat symptomatically. The product contains human sourced material that has been found to be nonreactive for HBsAg, HIV-1 RNA or HIV-1 Ag, anti-HIV-1/HIV-2 and anti-HCV. No known test method can offer complete assurance that products derived from human sources or inactivated microorganisms will not transmit infections.
General advice	If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties	The product is not flammable. No unusual fire or explosion hazards noted.
-----------------------------	---

Extinguishing media

Suitable extinguishing media Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do it without risk. Cool containers exposed to flames with water until well after the fire is out.

Specific methods In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions If material is released or spilled, minimize exposure by using appropriate personal protective equipment as listed in Section 8 of this MSDS. Handle as potentially infectious. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Methods for cleaning up Should not be released into the environment. Absorb with liquid-binding materials such as sand, diatomite, acid binders or sawdust. Apply a suitable disinfectant. Wash spill area with appropriate cleaning materials.

Never return spills to original containers for re-use.

Other information Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations.

7. Handling and Storage

Handling Avoid release to the environment. Handle and open container with care. Handle as potentially infectious.

Storage Store in original packaging. Protect from heat and direct sunlight. Refer to the packaging insert or product label for additional information on storage conditions.

8. Exposure Controls / Personal Protection

Occupational exposure limits

Exposure guidelines The product does not contain any hazardous ingredients with occupational exposure limits established by OSHA, ACGIH, or NIOSH.

Engineering controls General ventilation normally adequate.

Personal protective equipment

Eye / face protection Wear safety glasses. If splash potential exists, wear full face shield or chemical goggles.

Skin protection Wear laboratory coat or appropriate protective clothing when working with this material.

Respiratory protection No respirator is required under normal conditions of use. Under conditions of frequent or heavy exposure, protection may be needed. Use NIOSH/MSHA air purifying respirator if deemed necessary by industrial hygienist.

General hygiene considerations Practice good housekeeping. Do not eat, drink or store food and beverages in areas where chemicals are used. Wash hands before breaks and immediately after handling the product. The standard biosafety practices for handling infectious materials should be followed.

9. Physical & Chemical Properties

Appearance Pale yellow, odorless liquid.

Color Pale yellow.

Odor Odorless.

Odor threshold Not available.

Physical state Liquid.

Form Liquid.

pH 7.6

Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Solubility (water)	Fully miscible.
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Density	0.966 g/cm ³

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions. No dangerous reactions known.
Conditions to avoid	Heat and direct sunlight.
Incompatible materials	None known.
Hazardous decomposition products	No hazardous decomposition products are known. No decomposition if used according to specifications.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Sensitization	No sensitizing effects known.
Chronic effects	This product contains human sourced and/or potentially infectious components.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Epidemiology	Not available.
Mutagenicity	Not available.
Neurological effects	Not available.
Reproductive effects	Not available.
Teratogenicity	Not available.
Further information	This product has no known adverse effect on human health.

12. Ecological Information

Ecotoxicity	Contains a substance which causes risk of hazardous effects to the environment.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	None known.
Bioaccumulation / Accumulation	No data available.
Partition coefficient (n-octanol/water)	Not available
Mobility in environmental media	The product is miscible with water. May spread in water systems.

13. Disposal Considerations

Disposal instructions	Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Dispose in accordance with applicable federal, state, and local regulations.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. This material is not listed on the US TSCA 8(b) Inventory, therefore it may only be used for TSCA Exempt purposes such as R&D or Food, Drug or Cosmetic use. CERCLA/SARA Hazardous Substances - Not applicable.
-------------------------------	---

CERCLA (Superfund) reportable quantity (lbs)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
--------------------------	--

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Drug Enforcement Agency (DEA) Not controlled

Food and Drug Administration (FDA) Controlled substance

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Non-controlled

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Hazardous Substances (Director's List): Listed substance Sodium Azide (CAS 26628-22-8) Listed

US - Massachusetts RTK - Substance: Listed substance Sodium Azide (CAS 26628-22-8) Listed

US - New Jersey RTK - Substance: Listed substance Sodium Azide (CAS 26628-22-8) Listed

US - New Jersey Community RTK (EHS Survey): Reportable Threshold Sodium Azide (CAS 26628-22-8) 500 LBS

US - Pennsylvania RTK - Hazardous Substances: Listed substance Sodium Azide (CAS 26628-22-8) Listed

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 0
 Flammability: 0
 Physical hazard: 0

NFPA ratings

Health: 0
 Flammability: 0
 Instability: 0

Disclaimer

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet (MSDS) and was prepared pursuant to Government regulation(s) that identify specific types of information to be provided. This MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. Additional information may be needed to evaluate other uses of the product, including use of the product in combination with any materials or in any processes other than those specifically referenced. Information provided herein with respect to any hazards that may be associated with the product is not meant to suggest that use of the product in a given application will necessarily result in any exposure or risk to workers or the general public. No responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product. Purchasers and users assume all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Purchasers and users of the product specifically should advise all of their employees, agents, contractors and customers who will use the product of this MSDS.

Issue date

01-26-2010