



MATERIAL SAFETY DATA SHEET

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Revision No -1

Date Effective:
6/30/2010

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Identity: PSP94 ELISA Kit (*for research use only; not intended for use in diagnostic procedures*)

Catalogue Number: PSP94U0001

MSDS #: 0001

Manufacturer: Miraculins, Inc.

1250 Waverley Street, Suite 6

Winnipeg, Manitoba, R3T 6C6, Canada

Tel: (204) 453.1408 Fax: (204) 453.1546

In the case of an emergency, contact a Local Poison Control Centre.

SECTION 2 – COMPOSITION AND INFORMATION ON KIT COMPONENTS

Non-Hazardous Component	Ingredients
Precoated ELISA Plate	Anti-PSP94 antibody coated in carbonate containing buffer
5X Assay Buffer Concentrate	Protein based buffer containing BSA and 0.02% ProClin
25X Wash Buffer Concentrate	Buffered Saline buffer containing detergent and 0.08% ProClin
12ng/mL PSP94 Calibrator	PSP94 Antigen supplied in a protein based buffer containing BSA and <0.01% ProClin (30 PPM)
Anti-PSP94 Conjugate Concentrate	Anti-PSP94/Horseradish Peroxidase Conjugate in a protein based buffer containing BSA and <0.01% ProClin (30 PPM)
TMB Substrate	Tetramethylbenzidine in a proprietary buffer
Hazardous Component	Ingredients
Stop Solution	0.2N Sulfuric Acid

1. 0.2N Sulfuric Acid:

- ◆ Ingredients: 0.1% to 1.0% sulfuric acid
- ◆ CAS Number: 7664-93-9
- ◆ Index Number: N/A



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SECTION 3 – HAZARDS IDENTIFICATION

1. 0.2N Sulfuric Acid*:

- ◆ Carcinogenic; Avoid exposure.

Emergency Overview: **CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER.** Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Risk of cancer depends on duration and level of exposure.

SECTION 4 – FIRST AID MEASURES

Ingestion: Do NOT induce vomiting. Rinse mouth with water and seek medical attention.

Skin Contact: Remove contaminated clothing or shoes immediately. Wash with soap and plenty of water. Seek medical attention if skin irritation occurs.

Eye Contact: Rinse eyes with copious amounts of water for at least 15minutes. Seek medical attention if irritation occurs.

Inhalation: Move exposed person into fresh air and seek medical attention if breathing is irregular or if arrest occurs.

SECTION 5 – FIRE FIGHTING MEASURES

1. 0.2N Sulfuric Acid: Not applicable at supplied concentration.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precaution: Kit contains material of biological origin of small volumes. Avoid contact with such substances and follow standard precautionary protocols during use and clean-up.

Environment Hazard: Not applicable due to the small volume of supplied reagents in the kit.

Small spill and Leak Procedures: Soak up any spills with absorbent material and dispose of as hazardous waste as per standard waste handling protocols.

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes, avoid ingestion of materials. Wear a lab coat, protective eyewear and gloves when working with kit reagents.

Storage: Keep all containers tightly closed in a cool ventilated area at the indicated storage temperature as outlined in the kit product insert. Store upright to prevent possible leakage.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

No materials in PSP94 ELISA contain concentrations near occupational exposure limit values.

Personal protective equipment such as hand, eye, skin and body protection should be used at all times in accordance with standard laboratory procedures. Use substances in a well-ventilated area.



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

1. 0.2N Sulfuric Acid:

- ◆ Physical State: Liquid
- ◆ Color: Colorless
- ◆ Odor: Odorless
- ◆ Solubility: Soluble in water with release of heat

SECTION 10 – STABILITY AND REACTIVITY

1. 0.2N Sulfuric Acid:

- ◆ Storage stability: Stable; under normal conditions of storage and use, hazardous polymerization will not occur.
- ◆ Materials to avoid: Not available at supplied concentration
- ◆ Incompatible materials: Not available at supplied concentration
- ◆ Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products will not be produced.

SECTION 11 – TOXICOLOGICAL INFORMATION

No information at supplied concentrations.

SECTION 12 – ECOLOGICAL INFORMATION

No information at supplied concentrations.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste must be disposed of in a manner that observes all federal, state and local environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

No information at supplied concentrations.

SECTION 15 – OTHER INFORMATION

To the best of our knowledge, this information is believed to be accurate but does not claim to be all inclusive and shall be used as a guide only. Miraculins Inc. shall not be held liable for any damage resulting from handling or contacting the above product. It is offered solely for your consideration, investigation and verification.