

MATERIAL SAFETY DATA SHEET (MSDS)

1. Identification

Product name: SpeedyPLEX Human Th1/Th2 Cytokine (6-plex) CBA Assay Panel

2. Contents Information

Kits components	Composition
Microplate - 96-Well Plate (Flat bottom)	Plastic
Microplate - 96-Well Plate (V-bottom)	Plastic
Setup Beads Cocktail	magnetic beads; ProClin 300 < 0.05%
PE Control Beads	PE-labeled magnetic beads; ProClin 300 < 0.05%
Protein Standard Cocktail; lyophilized	Recombinant proteins; ProClin 300 < 0.05%
Capture Beads Cocktail (50x)	Antibody-coated magnetic beads; ProClin 300 < 0.05%
Biotinylated Detection Antibody Cocktail (50x)	Biotinylated antibodies; ProClin 300 < 0.05%
Sample Diluent PT 3-ef	Phosphate buffer; BSA < 1%; ProClin 300 < 0.05%
Detection Diluent	Phosphate buffer, BSA < 1%; ProClin 300 < 0.05%
Additional Diluent ATK00003	Phosphate buffer, BSA < 1%; ProClin 300 < 0.05%; contains antibodies
Wash Buffer Concentrate (20x)	Phosphate buffer; ProClin 300 < 0.05%
Streptavidin-PE (50x)	PE-labeled streptavidin; ProClin 300 < 0.05%
Plate Cover Seals	Plastic film

NOTE: For antibodies listed above, see MSDS for antibodies; for proteins listed above, see MSDS for proteins.

3. Hazard Identification

According to 29 CFR 1910.1200, kit reagents are not considered to be hazardous. However, precautions for handling this product should be noticed and practiced.

4. First Aid Measures

Inhalation	Move to fresh air
Ingestion	Rinse out mouth with a large amount of water and get medical attention
Skin Exposure	Wash skin with soap and a large amount of water
Eye Exposure	Flush eyes with water for at least 15 minutes and get medical attention

5. Fire Fighting Measures

Flash Point	Not applicable
Autoignition Temperature	Not applicable
Flammability	Not applicable
Extinguishing media	Use dry chemical

6. Accidental Release Measures

Clean with inert absorbent material and dispose to chemical waste container

The above information should be used only as a guide and it does not claim to be all inclusive. The information in this MSDS does not constitute a warranty, and Proteintech Group Inc. shall not be held liable for any damages or losses resulting from handling or from contact with the above product.

7. Handling and Storage

Avoid inhalation and contact with eyes and skin. Avoid prolonged or repeated exposure.

Store all reagents at 2-8°C.

8. Exposure Controls/Personal Protection

Engineering Controls: ensure adequate ventilation and eye wash and shower facilities in work area.

Personal Protective Equipment: Wear lab coat, safety glasses and chemical resistant gloves.

9. Physical and Chemical Properties

Physical State	Microplates/Plate Cover Seals/Beads: Solid; Other reagents: Liquid
Boiling Point	Not applicable
Melting Point	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Solubility in water	Microplates/Plate Cover Seals/Beads: Insoluble; Other reagents: Soluble

9. Stability and Reactivity

Stability	Stable; may be combustible at high temperature
Materials to avoid	Strong oxidizing reagents
Hazardous Decomposition	May form carbon dioxide and carbon monoxide

10. Toxicological Information

Inhalation	May be harmful if inhaled
Ingestion	May be harmful if ingested
Skin contact	May cause skin irritation
Eye contact	May cause eye irritation

12. Ecological Information

No information available

13. Disposal Considerations

Dispose of in accordance with local regulations

14. Transport Information

DOT: this product is considered to be non-hazardous for transport.

IATA: this product is considered to be non-hazardous for air transport.

15. Regulatory Information

No information available

16. Other Information

This product is sold for lab research and development use only and not for use in humans or animals. Persons should be familiar with chemicals and be well trained to handle this product.

For lab use only, not for diagnostic or therapeutic work.