

PULSE SCIENTIFIC INC.
Unit 18, 5100 South Service Road
Burlington, Ontario L7L 6A5 Canada
Tel: 905-333-8188
Fax: 905-333-0500

SAFETY DATA SHEET

Section 1. Identification

- Product Name and Synonyms: Immunodiffusion ID Antigens & ID Positive Controls Test
- Intended Use: The Immunodiffusion (ID) reagents are designed to detect patient antibodies directed against *Aspergillus*, *Blastomyces*, *Candida*, *Coccidioides*, *Histoplasma*, or *Paracoccidioides* in patient serum to aid in the diagnosis of each respective disease.
- Company: Pulse Scientific Inc.
Unit 18, 5100 South Service Road,
Burlington, Ontario, L7L 6A5 Canada
Tel: 905-333-8188
Emergency Telephone Number: (905) 333-8188

Section 2. Hazard Identification

- Hazardous Mixtures of other liquids, solids, or gases: N/A

Section 3. Composition/Information on Ingredients

- Active Formula Ingredients: *Aspergillus* ID Antigen, *A. fumigates* ID Antigen, *A. flavus* ID Antigen, *A. niger* Antigen, *A. terreus* ID Antigen, *Blastomyces* ID Antigen, *Coccidioides* IDCF Antigen, *Coccidioides* IDTP Antigen, *Histoplasma* ID Antigen, *Aspergillus* ID Positive Control, *A. fumigatus* ID Positive Control, *A. flavus* ID Positive Control, *A. niger* ID Positive Control, *A. terreus* ID Positive Control, *Blastomyces* ID Positive Control, *Coccidioides* IDCF Positive Control, *Coccidioides* IDTP Positive Control, *Histoplasma* ID Positive Control.

Section 4. First Aid Measures

- First Aid: In case of eye contact, immediately flush the eye with copious amounts of water for a minimum of 15 minutes. In case of skin contact, immediately wash skin with soap and copious amounts of water. If inhaled, immediately move to fresh air. If respiration is absent give artificial respiration. If respiration is difficult, give oxygen. Call a physician. If ingested, immediately wash out the mouth and call a physician.

Section 5. Fire-Fighting Measures

- Extinguishing media: Use media appropriate for surrounding materials.

Section 6. Accidental Release Measures

- Steps to be taken in case material is spilled or released: The products, by themselves, do not warrant special considerations. In these applications, immediately saturate the spill or leak with an aqueous germicidal reagent (i.e. 70% alcohol). After 15 minutes of exposure to the wet germicidal reagent, wipe up the spill or leak and dispose into a biohazardous container.
- Respiratory Precautions: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator.
- Protective Clothing: Put on appropriate personal protective equipment. Eating, drinking, smoking should be prohibited in areas where this product is handled, stored and processed. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

- Do not pipette by mouth. Avoid contact or ingestion.
- The Product Insert contains information regarding any additional precautions.

Section 7. Handling and Storage

- Precautions for safe handling: wear appropriate personal protective equipment.
- Storage: store at 2-8 °C, in the original and intact container.

Section 8. Exposure Controls/Personal Protection

- Exposure Limits: N/A
- Engineering Controls: N/A
- Personal Protective Equipment: Lab coat.

Section 9. Physical and Chemical Properties

- Appearance and Odor: Color varies from colorless to brown. Odor: None.
- Odor Threshold: N/A
- pH: N/A
- Melting/Freezing Point: N/A
- Boiling Point: N/A
- Flash Point: N/A
- Evaporation Rate: N/A
- Flammability: N/A
- Explosion Limits: N/A
- Solubility in Water: Soluble.

Section 10. Stability and Reactivity

- Hazardous reactions: N/A

Section 11. Toxicological Information

- Acute toxicity: N/A
- Skin corrosion/irritation: N/A
- Serious eye damage/eye irritation: N/A
- Respiratory or skin sensitization: N/A
- Carcinogenicity: N/A
- Reproductive toxicity: N/A

Section 12. Ecological Information: N/A

Section 13. Disposal Considerations:

- Waste Disposal Methods: Dispose of material in a landfill site approved for the disposal of chemical and hazardous waste. Comply with federal, state, county, and local environmental regulations.

Section 14. Transport Information: N/A

Section 15. Regulatory Information: N/A

Section 16. The statements contained herein are for informational use only and are intended only for persons having related technical skills and at their own discretion and risk. Since conditions of use are outside of our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information.

• Preparation Information

- Prepared By: Puja Chopra (Quality Assurance Coordinator)
 - Phone Number: 905-333-8188
 - Revision Date: Aug 1, 2022
 - Expiry Date: Aug 1, 2025
- FORM NO. 3025

SAFETY DATA SHEET

Section 1. Identification

- Product Name and Synonyms: Complement Fixation Antigens Dilute & Complement Fixation Positive Controls Test
- Intended Use: The fungal antigens and positive controls are used to detect antibodies in patient serum by the complement fixation (CF) procedure to aid in the diagnosis of four specific fungal diseases: Histoplasmosis, blastomycosis, coccidioidomycosis, and aspergillosis.
- Company: Pulse Scientific Inc.
Unit 18, 5100 South Service Road,
Burlington, Ontario, L7L 6A5 Canada
Tel: 905-333-8188
Emergency Telephone Number: (905) 333-8188

Section 2. Hazard Identification

- Hazardous Mixtures of other liquids, solids, or gases: N/A

Section 3. Composition/Information on Ingredients

- Active Formula Ingredients: *Blastomyces* CF Antigen Dilute, *Coccidioides* CF Antigen Dilute, *Histoplasma* Yeast CF Antigen Dilute, *Blastomyces* CF Positive Control, *Coccidioides* CF Positive Control, *Histoplasma* Yeast ID Positive Control.

Section 4. First Aid Measures

- First Aid: In case of eye contact, immediately flush the eye with copious amounts of water for a minimum of 15 minutes. In case of skin contact, immediately wash skin with soap and copious amounts of water. If inhaled, immediately move to fresh air. If respiration is absent give artificial respiration. If respiration is difficult, give oxygen. Call a physician. If ingested, immediately wash out the mouth and call a physician.

Section 5. Fire-Fighting Measures

- Extinguishing media: Use media appropriate for surrounding materials.

Section 6. Accidental Release Measures

- Steps to be taken in case material is spilled or released: The products, by themselves, do not warrant special considerations. In these applications, immediately saturate the spill or leak with an aqueous germicidal reagent (i.e. 70% alcohol). After 15 minutes of exposure to the wet germicidal reagent, wipe up the spill or leak and dispose into a biohazardous container.
- Respiratory Precautions: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator.
- Protective Clothing: Put on appropriate personal protective equipment. Eating, drinking, smoking should be prohibited in areas where this product is handled, stored and processed. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
- Do not pipette by mouth. Avoid contact or ingestion.

- The Product Insert contains information regarding any additional precautions.

Section 7. Handling and Storage

- Precautions for safe handling: wear appropriate personal protective equipment.
- Storage: store at 2-8 °C, in the original and intact container.

Section 8. Exposure Controls/Personal Protection

- Exposure Limits: N/A
- Engineering Controls: N/A
- Personal Protective Equipment: Lab coat.

Section 9. Physical and Chemical Properties

- Appearance and Odor: Color varies from colorless to brown. Odor: None.
- Odor Threshold: N/A
- pH: N/A
- Melting/Freezing Point: N/A
- Boiling Point: N/A
- Flash Point: N/A
- Evaporation Rate: N/A
- Flammability: N/A
- Explosion Limits: N/A
- Solubility in Water: Soluble.

Section 10. Stability and Reactivity

- Hazardous reactions: N/A

Section 11. Toxicological Information

- Acute toxicity: N/A
- Skin corrosion/irritation: N/A
- Serious eye damage/eye irritation: N/A
- Respiratory or skin sensitization: N/A
- Carcinogenicity: N/A
- Reproductive toxicity: N/A

Section 12. Ecological Information: N/A

Section 13. Disposal Considerations:

- Waste Disposal Methods: Dispose of material in a landfill site approved for the disposal of chemical and hazardous waste. Comply with federal, state, county, and local environmental regulations.

Section 14. Transport Information: N/A

Section 15. Regulatory Information: N/A

Section 16. The statements contained herein are for informational use only and are intended only for persons having related technical skills and at their own discretion and risk. Since conditions of use are outside of our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information.

• Preparation Information

- Prepared By: Puja Chopra (Quality Assurance Coordinator)
 - Phone Number: 905-333-8188
 - Revision Date: Aug 1, 2022
 - Expiry Date: Aug 1, 2025
- FORM NO. 3026