PRODUCT INFORMATION

Catalog Number: CCG-0001-10

Description: Mannose BSA Colloidal Gold Conjugate, 10nm Particle Size, 1mL

Lot Number:

Expiration Date:

Protein Concentration: ____ μg/ml

HAuCl₄ Concentration: OD 520 =

Buffer: Stored in 0.002M Sodium Borate, pH 8.5 - 9.0

Storage: DO NOT FREEZE! Store at 5-8°C.

Other Data: Absorbance peak at 520nm. CONTAINS 0.02% SODIUM AZIDE AS A PRESERVATIVE. Gently resuspend any sediment. If necessary, clarify by centrifugation at 400-500 x g for ten minutes before use.

Quality Control: Procedure developed by EY Laboratories, Inc.

References:
All liquids are completely miscible in water and biological buffers.

**SOLUBILITY:**
- Light burgundy to purple liquid.
- Pale yellowish-brown liquid.

**EXPOSURE:**
- Routes of Exposure:
- Overexposure:
- Effects of Overexposure:
- Routes of Exposure:
- Skin, eye, and mucous membrane contact. Care should be taken to avoid the formation of aerosols when handling any of these solutions.

**PHYSICAL CHARACTERISTICS**
- **Appearance:**
  - Light purple to purple liquid. 2nm - pale yellowish-brown liquid.
- **Solubility:**
  - All liquids are completely miscible in water and biological buffers.

**EMERGENCY INFORMATION**
- EY Laboratories, Inc.
  - 107 North Amphlett Blvd.
  - San Mateo, CA 94401

**EMERGENCY PHONE:**
- 650-342-3296

**HAZARDOUS COMPONENTS**
- Specific protein or ligand as listed on the vial label. These solutions contain less than 0.1mg per ml.
- Biological activity of these proteins will vary. Although these materials are not generally considered to be hazardous they may cause allergic responses in sensitive individuals if inhaled or allowed to contact skin.

**HAZARDOUS POLYMORPHIZATION:**
- None known. (Lead and copper may react with sodium azide).

**SPILL / LEAK PROCEDURES**
- Avoid contact with liquid. Clean up spill with a paper towel soaked in household bleach. Do not allow solutions to dry on environmental surfaces. Wash affected area with detergent after the area has been treated with bleach.
- Incinerate, autoclave, or dispose of paper waste in accordance with all Local, State, and Federal regulations.
- All of these proteins are fully biodegradable.

**EMERGENCY FIRST AID PROCEDURES**
- May be harmful if swallowed, inhaled, or allowed to absorb through the skin. Wash contacted area with water for 15 minutes. If inhaled remove to fresh air. Report exposure to the appropriate safety official.
- The gold and silver sols may be caustic. Consult a physician if irritation occurs, if there is any indication of an allergic reaction such as watering eyes, sneezing, or difficulty breathing, or if eye contact occurs.

**SPECIAL HANDLING PRECAUTIONS**
- **Ventilation:**
- No special ventilation is required but it is recommended to handle these reagents in a fume hood when possible.
- **Eye Protection:**
- Safety goggles or safety glasses with side shields are recommended.
- **Respiratory Protection:**
- Recommended as a safety precaution. An approved respirator may be required for those individuals already known to be sensitive to these materials.
- **Protective Gloves:**
- Required when handling any of these materials.

**STABILITY:**
- Stable. Decomposition products are not known to be hazardous.
- Will NOT occur.

**Hazardous Polymorphism:**
- None known.

**Health Hazard Information**
- None established. The toxicological properties of these products have not been thoroughly investigated. Care should be taken when handling any of these materials.
- Any of these proteins may cause acute localized eye, skin, or mucous membrane irritation. Some sensitive individuals may develop a chronic allergic reaction with exposure.

**Physical Characteristics**
- **Appearance:**
  - Light purple to purple liquid. 2nm - pale yellowish-brown liquid.
- **Solubility:**
  - All liquids are completely miscible in water and biological buffers.

**Special Precautions**
- This material is for research and experimental application only. It is not intended for food, drug, household, agricultural, or cosmetic use. All materials should be handled only by technically qualified individuals experienced with working with potentially hazardous chemicals. The above information is correct to the best of our knowledge. The user should make independent decisions regarding completeness of the information, based on all sources available. EY Laboratories, Inc. shall not be held liable for any damage resulting from handling or contact with the above product.