PRODUCT INFORMATION

Catalog Number: CCG-1010-5

Description: Galα(1,4)Galβ(1,4)GlcNacβ-O-BSA Colloidal Gold Conjugate, 5nm Particle Size, 1mL

Lot Number:

Expiration Date:

Protein Concentration: 10-20μg/ml

HAuCl₄ Concentration: OD 520 = 1.0

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:
Colloidal gold and colloidal silver labeled proteins, enzymes, and ligands.

**SOLUBILITY:**
Light burgundy to purple liquid. 2nm - pale yellowish-brown liquid.

**APPEARANCE:**

**PHYSICAL CHARACTERISTICS**

**EXPOSURE:**

**OVEREXPOSURE:**

**EFFECTS OF OVEREXPOSURE:**
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.

**ROUTE 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:**
Slight burgundy to purple liquid. 2nm - pale yellowish-brown liquid.

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

**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. Adriamycin and Neomycin are both used in cancer therapy and are cytotoxic. The gold and silver sols may be caustic. Consult a physician if irritation occurs, if there is any indication of an allergic response such as watering eyes, sneezing, or difficulty breathing, or if eye contact occurs.

**EXTREME CARE** should be used when handling either of these two items. The colloidal gold and colloidal silver solutions are potentially caustic and will temporarily discolor the skin. Most solutions contain 0.02% sodium azide as a preservative. Azide may react with lead and copper plumbing to form explosive metal azides. Flush with copious amounts of water when disposing material in the sink. Due to the small quantities of material involved these products are generally not considered to be environmental hazards. All of these proteins are fully biodegradable.

**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.