PRODUCT INFORMATION

Catalog Number: CCG-0001-5

Description: Mannose BSA Colloidal Gold Conjugate, 5nm Particle Size, 1mL.

Lot Number: 

Expiration Date: 

Protein Concentration: _____ μg/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.

MATERIAL SAFETY DATA SHEET
Effective Date: March 31, 2006
Revision 4
Page 1 of 2

PRODUCT IDENTIFICATION
Name: Colloidal gold and colloidal silver labeled proteins, enzymes, and ligands.
Catalog Number(s): G-2 to G-40, XGP-2, GP-01 to GP-8006, GAP-01, FGP-01, RGP-01,
TGP-01, CCG-0001 to CCG-1018, GA-02, GAA-02, GAB-01 to GAB-02, FGA-
02, HGA-02, GB-01 to GB-02, GE-01 to GE-03, GH-01 to GH-02, GM-01 to
GM-2701, GAF-001 to GAF-2404, SA-02, SB-01, SH-01, SP-01 to SP-01A.
Formula: Complex polypeptides, enzymes, lectins, antibodies, and ligands coupled to
colloidal gold or silver particles. Also, unconjugated colloidal gold particles.
Synonyms: Protein A, Horseradish Peroxidase, Strept. Avidin, D-Biotin, Purified Antibodies,
Bovine Serum Albumin, Fetuin, Ovomucoid, RNase, DNase 1, Alkaline
Phosphatase, Protein G, Monoclonal Antibodies, Lectins, Neoglycopeptides,
Adriamycin, and Neomycin coupled to colloidal gold particles or silver colloidal
particles.

EMERGENCY INFORMATION
EMERGENCY PHONE: 650-342-3296
EY Laboratories, Inc.
107 North Amphlett Blvd.
San Mateo, CA 94401

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.

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.

HEALTH HAZARD INFORMATION
EXPOSURE LIMITS: None established. The toxicological properties of these products have not been
thoroughly investigated. Care should be taken when handling any of these materials.

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.

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: Stable burgundy to purple liquid. 2mm - pale yellowish-brown liquid.
SOLUBILITY: All liquids are completely miscible in water and biological buffers.

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.

FIRE AND EXPLOSION HAZARDS
EXTINGUISHING MEDIA: Not considered to be a fire hazard.
SPECIAL FIRE FIGHTING PRECAUTIONS: Water spray or CO₂.
NOTE: None required.

Most solutions contain 0.05% 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.

REACTIVITY DATA
STABILITY: Stable. Decomposition products are not known to be hazardous.
HAZARDOUS POLYMERIZATION: Will NOT occur.
INCOMPATIBILITY: None known. (Lead and copper may react with
sodium azide).

SPILL / LEAK PROCEDURES
MATERIAL RELEASE / SPILL: 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
and water for 15 minutes. If inhaled remove to fresh air. Report exposure to the appropriate safety official.

INCOMPATIBILITY: None known. (Lead and copper may react with
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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.