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Material Safety Data Sheet

Catalog Number: F400

Product Name: Protein A ELISA Kit

The below information is believed to be correct but may not be all inclusive. It is intended to be used as a guide. You, as the user, should independently verify the suitability and safety of the product under your conditions of use. Cygnus Technologies, Inc. shall not be liable or responsible for the use of this information or the material supplied and thus the user shall assume all risk in the use of the product. Disposal of hazardous material may be subject to local, state or federal regulations.

Description of Contents:

Chicken anti-Protein A:HRP, Product # F401

Chicken monoclonal antibody conjugated to horse radish peroxidase
Proclin 300 preservative
Bovine Serum Albumin
NaCl, (sodium chloride)
N-(2-Hydroxyethyl)piperazine-N-2-ethanesulfonic acid

Microtiter Plates coated with Protein A antibody, Product # F052

Chicken antibody to Protein A
Plate blocked with Bovine Serum Albumin

Protein A Standards, Product # F403

Recombinant Protein A
Bovine Serum Albumin
NaCl (sodium chloride)
Proclin 300 preservative
Tris{hydroxymethyl}-aminomethane

Stop Solution, Product # F006

0.5M Sulfuric Acid

TMB Substrate, Product # F005

3,3', 5,5' Tetramethylbenzidine
Methanol

Wash Concentrate, Product # F004

Tris{hydroxymethyl}-aminomethane, 1M, pH 7.5
Proclin 300 preservative

Sample Diluent Buffer, Product # F054

Citrate buffer with detergent
Proclin 300 preservative

Hazardous Ingredients:

Only the ingredients listed below have any known toxicities. For the other materials shown above no biological hazard has been established. At the concentrations used the hazards are minimal, however this kit should only be used by experienced laboratory personnel trained in the proper techniques and general laboratory safety. The following procedures apply for all components of this kit.

General Toxicological Information - Inhalation of any aerosols from these components may induce sensitization and cause allergic reactions in sensitized individuals.

First Aid Measures -

Skin Contact: Wash skin with soap and water. If symptoms occur consult a doctor.

Eye Contact: Rinse eyes with water for 10 minutes and contact a doctor.

Ingestion: Rinse mouth and throat with water and consult a doctor.

Inhalation: Exit from exposure area. If symptoms of irritation, sensitization or if breathing difficulties occur, contact a doctor.

Fire fighting measures: No special requirement. Water or foam are suitable. There are no special exposure hazards.

Accidental release procedures: Spilled material should be absorbed into paper or cloth towels with the area washed with water. Avoid splashing or aerosolization. Ensure sufficient ventilation.

Handling and storage: Store at 2°C to 8°C. Avoid aerosolization. The Protein A Standards used in this kit contain material of human origin which has been tested and found negative for antibody to HIV and hepatitis B and C. However, no test method can offer total assurance that HIV, hepatitis or other infectious agents are not present. Handle these reagents as if they are potentially infectious.

Exposure controls and personal protection: Wear impermeable gloves, protective eye wear.

Hazardous Chemicals:

1. Tris{hydroxymethyl}-aminomethane

- Irritant to eyes, respiratory system, and skin

2. NaCl (sodium chloride)

- May be toxic if ingested in large quantities
- May cause irritation when contacted with eyes or skin
- Avoid inhalation

3. Sulfuric Acid

- Causes severe burns
- May be fatal if swallowed
- Do not get in eyes, skin or clothing
- Immediately flush eyes and skin with water for 15 minutes
- If swallowed do not induce vomiting, give milk or egg whites beaten with water

4. Methanol

- Harmful if swallowed, inhaled or absorbed through the skin.
- Causes irritation of eyes, skin, and mucous membrane of the upper respiratory tract
- Chronic effects may be damage to eyes, liver, kidneys and heart

5. 3,3',5,5'-Tetramethylbenzidine (TMB)

-Mutagenic effects seen in laboratory experiments

6. Proclin 300 Preservative

- Irritant to eyes, respiratory system, and skin