

Material Safety Data Sheet

Catalog Number: F650

Product Name: HEK 293 HCP ELISA Kit, 2G

*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:

Anti-HEK 293:Horseradish Peroxidase, Product # F651

Affinity purified goat antibody conjugated to horseradish peroxidase
Soy Proteins
ProClin 300 preservative
NaCl, (sodium chloride)
Tris{hydroxymethyl}-aminomethane

Anti-HEK 293 coated microtiter plates, Product # F652

Affinity purified goat antibody to *S. aureus* HCP

HEK 293 HCP Standards, Product # F653

Solubilized HEK 293 Host Cell Proteins
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 (TMB) \leq 0.05%
Hydrogen peroxide \leq 0.02%
pH \sim 3.5

Wash Concentrate, Product # F004

Tris{hydroxymethyl}-aminomethane, 1M, pH 7.5
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:** Flush skin with water for 15 minutes. Seek medical attention if irritation develops.
- Eye Contact:** Rinse eyes with water or normal saline for 15 minutes. Seek medical attention if irritation develops.
- Ingestion:** If swallowed, consult with medical staff or poison control center to determine if any immediate response or follow-up actions are required.
- Inhalation:** Exit from exposure area to fresh air. 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.

Exposure controls and personal protection

Wear protective eyewear rubber or vinyl gloves, and lab coat.

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

- Irritant to eyes, respiratory system, and skin.

5. Hydrogen peroxide

- Irritant to eyes.

6. ProClin 300 Preservative

- Irritant to eyes, respiratory system, and skin.