

## Safety Data Sheet

### Section 1. Product and Company Identification

**Product Name** Membrane Protein Extraction Kit  
**Catalog #** K3014005  
**Manufacturer** Biochain Institute, Inc.  
39600 Eureka Drive  
Newark, CA 94560  
USA  
510.783.8588 or 1.888.762.2568  
Email: [info@biochain.com](mailto:info@biochain.com)

**Emergency Phone #** Contact your local hazardous material control center.  
Call 911 in case of medical emergency.

**MSDS# K3014005**

**Component/Item#**

- 1) Buffer C Solution
- 2) Buffer E Solution
- 3) 50 x PI Solution

### Section 2. Hazards Identification

**GHS Classification**

Acute toxicity (Category 4), H302

Eye irritation (Category 2A), H319

**GHS Label elements, including precautionary statements**

*Pictogram*



*Signal word:* Warning

*Hazard statements*

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects.

*Precautionary statements*

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.

### Section 3. Composition and Information on Ingredients

This product contains the following components and mixture of the following substances with non-hazardous additions.

Buffer C:

|           |                                  |       |
|-----------|----------------------------------|-------|
| Buffer E: | Triton X-100, (CAS #: 9002-93-1) | <5%   |
| 50 X PI:  | AEBSF, (CAS #: 30827-99-7)       | <0.5% |

## Section 4. First Aid Measures

**Skin:** Wash exposed skin with mild soap and water. Get medical attention if irritation develops or persists.  
**Eyes:** Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.  
**Ingestion:** If affected person is conscious, give plenty of water to drink. Seek medical attention. Wash contaminated clothing before reuse.

## Section 5. Fire Fighting Measures

**Extinguishing media:** water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Special firefighting procedures:** wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## Section 6. Accidental Release Measures

Keep unnecessary people away; isolate hazard area and deny entry. Small spills: Absorb with an inert dry material and place in an appropriate waste disposal container. Clean by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large spills: Dike far ahead of liquid spill for later disposal. Do not flush to sewer or waterways. Prevent release to the environment if possible.

## Section 7. Handling and Storage

**Handling:** Avoid contact with eyes, skin, and clothing. Keep container closed. Wash thoroughly after handling.  
**Storage:** Keep container tightly closed and store in a refrigerator.

## Section 8. Exposure Controls/Personal Protection

**Exposure Controls:** Ensure that eyewash stations and safety showers are proximal to the work location.  
**Eyes and Face:** Splash goggles.  
**Body:** Lab coat.  
**Respiratory:** Be sure to use NIOSH/MSHA approved respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.  
**Hands:** Gloves.

## Section 9. Physical and Chemical Properties

| Component           | Physical State | Color | Odor |
|---------------------|----------------|-------|------|
| 1) Buffer C         | Liquid         | Clear | None |
| 2) Buffer E         | Liquid         | Clear | None |
| 3) 50 x PI Solution | Liquid         | Clear | None |

## Section 10. Stability and Reactivity

**Stability and Reactivity:** The product is stable  
**Incompatibility with Various Substances** No decomposition if used according to specifications. No dangerous reactions known.

## Section 11. Toxicological Information

**Primary Irritant Effects:** Harmful if ingested.  
**On the Eye:** Cause eye irritation.  
**Sensitization:** No sensitizing effects known.

## **Section 12. Ecological Information**

No data available.

## **Section 13. Disposal Considerations**

### **Waste Information:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## **Section 14. Transport Information**

DOT (US) - Not dangerous goods.

IMDG - Not dangerous goods.

IATA - Not dangerous goods.

*Additional Transport Information:* transport in accordance with local, state and national regulations.

## **Section 15. Regulatory Information**

**EINECS:** Not available.

**European Information:** Irritating to eyes, skin, and respiratory system. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## **Section 16. Other Information**

The information contained in this SDS was obtained from sources we believe are reliable. However, the above information is provided without warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.