



*Biomolecules for research*

## MATERIAL SAFETY DATA SHEET

### Section 1 : Substance Identification

**Name:** PTP1B Assay Kit

**Catalog Number:** AK-822

**Company Identification:** BIOMOL International L.P.  
5120 Butler Pike  
Plymouth Meeting PA 19462-1202 USA  
(610) 941-0430 (9am-5pm ET)

### Section 2 : Components

Vial #	Name:	Contents:	Quantity
SE332-9092	PTP1B Enzyme (human recombinant)	0.1 µg/µl in 50 mM HEPES, pH 7.2, 1 mM EDTA, 1 mM DTT, 0.05% NP-40, 10% (v/v) glycerol.	5 µg
P-315	IR5 Substrate	lyophilized solid	2 x 0.5 mg
KI-467	2X Assay Buffer	100 mM MES, pH 6.0, 300 mM NaCl, 2 mM EDTA, 2 mM DTT, 0.1% NP-40	20ml
KI-468	BIOMOL Red™ Reagent	BIOMOL Red™ Reagent.	5ml
KI-470	Phosphate Standard	100 µM in 1X assay buffer	0.5ml
KI-469	Surmain (PTP1B inhibitor)	solid	10 mg
AK-822	Instruction Booklet		1 booklet
KI-101	96-Well Plate	½ Volume 96-well plate	1 plate

### Section 3 : Health Hazards

Please be advised that the physical, chemical and toxicological properties of many of these components have not yet been fully investigated. The BIOMOL Red reagent contains 4N HCl, and is highly acidic. It is therefore advised that all laboratory personnel handling this product follow standard laboratory safety procedures. It is recommended that personnel wear safety goggles, gloves, and protective clothing at all times, and avoid direct contact with the reagents supplied in this kit.

### Section 4 : First Aid

**Eye Contact:** Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. **Seek medical attention immediately**

**Skin Contact:** Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. If irritation or discomfort develops, seek medical attention.

**Inhalation:** Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention if patient feels unwell or develops any respiratory symptoms. Provide chemical label and MSDS if possible.

**Ingestion:** Remove dentures and clear mouth. If person is conscious, rinse mouth with water. **Call physician or poison control immediately.** Provide chemical label and MSDS information if possible.

### Section 5 : Fire / Flammability Information

None of the components of this kit pose a significant risk in case of fire. Fire fighting media should be selected to suit other materials involved in the fire. It is recommended that firefighters wear protective gear and self contained breathing apparatus to limit exposure.

### Section 6 : Spill or Leak Procedures.

**Cleanup Procedures:** Wearing appropriate protective gear as outlined under "Protective equipment" wipe up spill area and rinse residue down the drain with plenty of water. Wash spill site with soap and water.

**Waste Disposal Method:** Dilute waste solutions and reagents with water and dispose of in accordance with federal, state, and local regulations.

## Section 7 : Storage and Handling Precautions

**Protective Equipment:** For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self contained breathing apparatus or NIOSH/MSHA approved respirator is not necessary if adequate laboratory ventilation is present.

**Storage and Handling:** The components of this kit should be stored  $-70^{\circ}\text{C}$  with the exception of the 96-well plate, and the instruction booklet which can be stored at room temperature. All components should be kept in tightly closed containers. This product should be handled only by qualified experienced professionals. Wash thoroughly with soap and water after handling the reagents included in this kit.

## Section 8 : Stability and Reactivity Data

**Stability:** This material is stable if stored as directed

**Conditions to Avoid:** None known

**Incompatibles:** Not available

## Section 10 : Ecological Data

**Ecotoxicological Information:** None Available

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

Emergency Contact:

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Plymouth Meeting, PA 19462 USA

(610) 941-0430

Last Revised : 10/19/07