



Biomolecules for research

MATERIAL SAFETY DATA SHEET

Section 1 : Substance Identification

Name: Cyclic AMP EIA Kit for Cell and Tissue Lysates (480 Assays)

Catalog Number: AK-215

Former Name: Cyclic AMP EIA Kit / Format A , (480 well format)

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

Section 2 : Chemical Components

Vial #	Name:	Quantity
80060	Goat anti-Rabbit IgG Microtiter Plate	5 plate
80195	cAMP Direct Conjugate	28 ml
80606	cAMP Direct Antibody	28 ml
80082	0.1M HCl	100 ml
80197	Neutralizing Reagent	30 ml
80106	Wash Buffer Concentrate	100 ml
80056	cAMP Standard	3 x 0.5ml
80076	Para Nitro phenyl phosphate (pNpp) Substrate	100 ml
80248	Stop Solution (Handle with care, contains 10% Sodium Phosphate, Tribasic / CAS # 10101-89-0)	30 ml

80063	Triethylamine (Acetylation Kit) (Handle with care, contains 99% Triethylamine / CAS# 121-44-8)	2 x 2ml
80064	Acetic Anhydride (Acetylation Kit) (Handle with care, contains 98% Acetic Anhydride / CAS# 108-24-7)	2 x 1ml

Section 3 : Health Hazards

The physical, chemical and toxicological properties of many of these components have not yet been fully investigated. 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

- Flammability:** The components of the acetylation kit are flammable, vapor may travel considerable distance to source of ignition and flashback. The other kit components are not flammable, and do not pose a significant risk in case of fire
- Flash Point:** Not Known
- Combustion Products:** Carbon monoxide, Carbon dioxide, Nitrogen oxides
- Extinguishing Media:** Carbon Dioxide, Dry chemical powder, foam
- Special Firefighting Procedures:** Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- Unusual Fire/Explosion Hazards:** The flammable components in the acetylation kit can travel considerable distances as vapor and may experience flashback.

Section 6 : Spill or Leak Procedures.

Cleanup Procedures: Wearing appropriate protective gear as outlined under “Protective equipment” wipe up spill, place in sealed container and hold for appropriate disposal. 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.

Storage and Handling: The components of this kit should be stored 4°C. All components should be kept in tightly closed containers. This product should be handled only by qualified experienced professionals. Wash thoroughly after handling the materials included in this kit.

Section 8 : Stability and Reactivity Data

Stability: This material is stable until the expiration date on the package if stored as directed

Conditions to Avoid: Protect from exposure to excessive moisture.

Incompatibles: There are no known incompatible reagents for the components of the main kit. However, the components of the acetylation kit are in compatible with strong acid and bases, alcohols, oxidizing and reducing agents, and finely powdered metals.

Section 9 : Relevant RTECS Numbers

RTECS #	Name	Vial #
YE0175000	Triethylamine	80063
AK1925000	Acetic Anhydride	80064

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 : 3/4/05