

MATERIAL SAFETY DATA SHEET (MSDS)

Elite™ Fluorescent Membrane Potential Dye Assay Kit

COMPANY DETAILS

Company: eENZYME LLC
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IDENTIFICATION SECTION

Product Name: Elite™ Fluorescent Membrane Potential Dye Assay Kit
Other Names: None
Product Code: CA-M165, CA-M165-10
U.N. Number: None allocated
Dangerous Goods Class and Subsidiary Risk: None allocated
Hazchem Code: None allocated
Poison Schedule: None allocated
Use: For research use, *i.e.* m-MPI detection

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid or liquid
Melting Point: Not available
Vapour Pressure: Not available
Specific Gravity: Not available
Flash Point: Not available
Flammability Limits: Not available
Solubility: Water or DMSO

Chemical Name	Description
Membrane Potential Dye Solution (10x)	Chemical compound solution, 10mL
Dye Dilution Buffer (10x)	Common physiological buffer, 11mL
Ro 20-1724 (CAS No. 29925-17-5)	PDE inhibitor, 50nM

HEALTH HAZARDS IDENTIFICATION

Swallowed: May cause irritation
Eye: May cause irritation

Skin May cause irritation
Inhaled: May cause irritation to upper respiratory tract

FIRST AID INFORMATION

Swallowed: If conscious, immediately induce vomiting
Skin: Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.
Inhaled: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
First Aid Facilities: Eye bath, safety shower

PRECAUTIONS FOR USE

Exposure Standard: No data
Engineering Controls: General or local exhaust ventilation
Personal Protection: Safety goggles, lab coat, apron, rubber gloves are recommended.
Flammability: Use in well ventilated area

SAFE HANDLING INFORMATION

Storage and Transport: Keep cold in a tightly closed light proof container.
Spills and Disposal: With clean shovel, carefully place material into clean, dry container and cover. Remove from area. Flush spill area with water. Dispose in accordance with all applicable federal, state and local environmental regulations. Wear self-contained breathing apparatus and full protective clothing.
CERCLA No reportable quantity
Fire/Explosion Hazard: Use extinguishing media appropriate for surrounding fire. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode. Note: decomposes at melting point. Toxic gases produced: hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.

STABILITY AND REACTIVITY

Stability: Avoid light for Membrane Potential Dye Solution; avoid heat for Ro 20-1724.
Hazardous Polymerization: Will not occur
Incompatibilities: Heating in the presence of air (oxygen) to temperatures above 212°F will result in decomposition. Exposing in light for prolonged time will result in decomposition.
Products of Decomposition: Burning can produce oxides of carbon and nitrogen.

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.