CREATIVE BIOMART®
Assay Kit

COX Fluorescent Inhibitor Screening Assay Kit

Product Information

ShortName

COX Fluorescent Inhibitor Screening Assay Kit

Size

2 x 96 wells

Product Overview

COX Fluorescent Inhibitor Screening Assay provides a convenient fluorescence-based method for screening both ovine COX-1 and human recombinant COX-2 for isozymespecific inhibitors. The assay utilizes the peroxidase component of COXs. The reaction between PGG2, and ADHP (10-acetyl-3,7-dihydroxyphenoxazine) produces the highly fluorescent compound resorufin. Resorufin fluorescence can be easily analyzed with an excitation wavelength of 530-540 nm and an emission wavelength of 585-595 nm.

Storage

Kit components may be stored at -80°C prior to use. After opening the kit, we recommend each kit component be stored according to the temperature required.

Shipping

Dry ice

Kit Components

Assay Buffer(10X) 2 vials -20°C
Hemin 2 vials -20°C
COX-1(ovine)COX-FIS Assay Reagent 1 vial -80°C
COX-2(human recombinant) COX-FIS Assay Reagent 1 vial -80°C
Arachidonic Acid (substrate) 2 vials -80°C
Potassium Hydroxide 2 vials -20°C
DMSO Assay Reagent 1 vial/3 ml -20°C
ADHP Assay Reagent 6 vials -20°C
DuP-697 Assay Reagent 1 vial -20°C

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

COX Fluorescent Inhibitor Screening Assay Kit

SC-560 Assay Reagent 1 vial -20°C
96-Well Solid Plate (black) 2 plates RT
Plate Cover 2 covers RT

Materials Required but Not Supplied

1. A fluorometer with the capacity to measure fluorescence using an excitation wavelength between 530-540 nm and an emission wavelength between 585-595 nm
2. Adjustable pipettes and a repeat or multichannel pipettor
3. A source of pure water; glass distilled water or HPLC-grade water is acceptable

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA