

## **COX (ovine) Colorimetric Inhibitor Screening Assay Kit**

### **Product Information**

#### **Cat.No.**

Kit-1940

#### **Size**

192 wells

#### **Description**

The COX Colorimetric Inhibitor Screening Assay measures the peroxidase component of cyclooxygenases. The peroxidase activity is assayed colorimetrically by monitoring the appearance of oxidized N,N,N,N-tetramethyl-p-phenylenediamine (TMPD) at 590 nm. Inhibition of COX activity, measured by TMPD oxidation, by a variety of selective and nonselective inhibitors, shows changed potencies similar to those observed with other *in vitro* methods. The COX Colorimetric Inhibitor Screening assay includes both ovine COX-1 and COX-2 enzymes in order to screen isozyme-specific inhibitors. The COX Colorimetric Assay is a time saving tool for screening vast numbers of inhibitors.

#### **Storage**

-80°C

#### **Kit Components**

Assay Buffer (10X): 2 vials; -20°C Heme: 2 vials; -20°C COX-1 (ovine): 1 vial; -80°C COX-2 (ovine): 1 vial; -80°C Arachidonic Acid (substrate): 2 vials; -20°C Potassium Hydroxide: 2 vials; -20°C Colorimetric Substrate: 2 vials; -20°C 96-Well Plate (Colorimetric Assay): 2; plates RT 96-Well Cover Sheet: 2; covers RT