



## Chloride Channel Assay Kit

### Product Information

#### Cat.No.

Kit-0217

#### Product Overview

Chloride Channel Assay Kit is used for the measurement of chloride channel activity.

#### Description

Chloride channels have a variety of important physiological and cellular functions that include regulation of pH, volume homeostasis, organic solute transport, cell migration, cell proliferation and differentiation. Chloride channels represent valuable drug targets. A number of chronic disease states such as cystic fibrosis and Bartters syndrome are due to defects in chloride channel functions. However, the existing technologies for screening chloride channel modulators are a compromise between throughput, sensitivity and physiological relevance.

#### Usage

For research use only (RUO)

#### Storage

Keep in -20°C Protect from moisture and light Avoid repeated freeze-thaw cycles

#### Kit Components

Component A: Iodide Blue Sensor 50 ml  
Component B: Iodide Sensor Enhancer (100X) 0.5 ml  
Component C: ILoadingBuffer 100 ml  
Component D: Cell Lysis Buffer (10X) 5 ml

**Detection method** Colorimetric

#### Compatible Sample Types

Live Cells

#### Features & Benefits

High Sensitivity: As low as 30 nM of iodide can be detected.  
Convenient: Formulated to have minimal hands-on time.  
Less toxicity: Ease of use with less toxicity than the classic Sandell and



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## Chloride Channel Assay Kit

Kolthoff assay. Continuous: Continuous assay without a separation step.

---

Tel: 1-631-559-9269 1-516-512-3133

Fax: 1-631-938-8127

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)

45-1 Ramsey Road, Shirley, NY 11967, USA