

Chloride Channel Assay Kit

Cat. No. Kit-0217 **Lot. No.** (See product label)

SPECIFICATION

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°CProtect from moisture and lightAvoid repeated freeze-thaw cycles
Kit Components	Component A: Iodide Blue Sensor 50 mlComponent B: Iodide Sensor Enhancer (100X) 0.5 mlComponent C: ILoadingBuffer 100 mlComponent 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

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classic Sandell and Kolthoff assay. Continuous: Continuous assay without a separation step.