

Thallium Products for Potassium/Sodium Channel and Gi/o GPCR Assays



Brilliant Thallium Assays

High-throughput, no wash thallium (TI⁺) assay. An optimal solution for measuring flux through potassium (K⁺), sodium (Na⁺), and non-selective cation channels and their effectors including transporters and GPCRs.

Available in 2, 10 and 100 plate kits.



Brilliant Thallium Snapshot

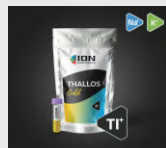
An endpoint-compatible, potassium channel assay that works with fluorescence plate readers, microscopes, high content screening, and flow cytometry.

Available in 2 and 10 plate kits.



Thallos

Best in class, green fluorescent, thallium (TI⁺) indicator, membrane permeable. Works with potassium (K⁺), sodium (Na⁺), and monovalent cation channels and transporters.



Thallos Gold

Thallos Gold AM is a gold fluorescent thallium indicator. Discover activators and inhibitors of potassium and sodium channels, transporters, and more.



Gi/o GPCR-GIRK Thallium Flux Assay

A complete Gi/o GPCR assay for discovering modulators through direct coupling to GIRK channels. Cell lines and thallium flux reagents are included.

Targetable Ion Indicators



ION Thallos-HTL

ION Thallos-HTL, a localizable thallium indicator for HaloTag® technology, targets specific cells or organelles to conduct potassium channel assays or probe organellar ion channels. Requires cells expressing HaloTag®.



BAPTA JF™549-HTL

BAPTA JF™549-HTL a localizable calcium indicator using HaloTag® technology, targets specific cells or organelles to conduct Gq GPCR and calcium channel assays. Requires cells expressing HaloTag®.



Brilliant Sodium Assays

High-throughput, no wash sodium (Na⁺) assay for measuring changes in intracellular Na⁺ caused by effectors of Na⁺ channels and transporters.

Available in 2, 10 and 100 plate kits.



ING-2

ION Natrium Green is a yellow-green fluorescent, intracellular sodium (Na⁺) indicator with improved cellular loading and significantly higher brightness than SBFI. Its spectral properties and large dynamic range are great for HTS and flow cytometry.



SBFI AM

UV-excitabile, ratiometric green indicator for intracellular sodium (Na⁺) measurements. More selective for Na⁺ over K⁺. Optimal for imaging applications where quantification of intracellular Na⁺ concentrations is desired.



Brilliant Calcium Assays

High-throughput, no wash calcium (Ca²⁺) assay. An optimal solution for measuring intracellular Ca²⁺ dynamics, including effectors such as GPCRs and protein transporters.

Available in 2, 10 and 100 plate kits.



Fluo-4

Fluo-4 is the most popular green fluorescent, calcium (Ca²⁺) indicator. Proven and trusted for decades to measure intracellular Ca²⁺ flux in high throughput screening and fluorescence microscopy applications.



Fluo Gold

Fluo-Gold AM is a gold fluorescent, intracellular calcium indicator that measures intracellular Ca²⁺ flux in high throughput screening and fluorescence microscopy applications.



Fura-2

UV-excitabile, ratiometric green calcium (Ca²⁺) indicator for quantitative calcium imaging



BAPTA JF™ 549

BAPTA JF™ 549 is a calcium indicator with a Janelia Fluor® dye backbone that provides excellent brightness and photostability.

Potassium Indicators



IPG-1 AM



IPG-1

ION Potassium Green is a yellow-green fluorescent, potassium (K^+) indicator, membrane permeable. Lower K^+ affinity than IPG-2 and IPG-4.

IPG-2 AM



IPG-2

ION Potassium Green is a yellow-green fluorescent, potassium (K^+) indicator, membrane permeable. Lower K^+ affinity than IPG-4 and higher affinity than IPG-1.

IPG-4 AM



IPG-4

ION Potassium Green - 4 (IPG-4 AM), a yellow-green fluorescent potassium indicator with high selectivity to detect intra or extracellular changes in K^+ .

PBFI AM



PBFI

PBFI is the K^+ analog of the Na^+ indicator SBFI. Optimal for imaging applications where quantification of intracellular K^+ concentrations is desired.

Cell Lines



NEW

HEK293-Kir3.1 / 3.2 cell line

A stable HEK cell line overexpressing GIRK potassium channels for studying Kir3.1/3.2 pharmacology and G_i/o GPCRs.



NEW

CHO K1 Kv11.1 (hERG) Recombinant cell line

A stable CHO cell line overexpressing hERG potassium channels for studying Kv11.1 pharmacology and safety screening.



Only Made
by ION

Products marked with an asterisk (*) are exclusively manufactured by **ION Biosciences**.