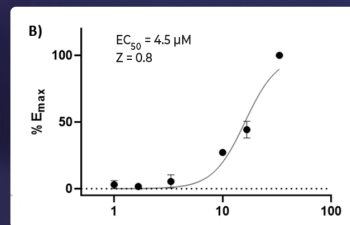
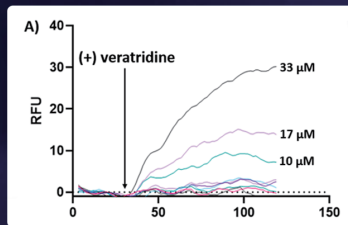


PRODUCT CATALOG



Measuring $\text{Na}_v1.3$ activity using ING-2 in engineered HEK $\text{Na}_v1.3$ cells.



Brilliant Thallium Assays

High-throughput, no wash thallium (Tl^+) 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 10 and 100 plate kits.

Product code: Flex 11000-10 / Express 11000-100



Thallos

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

Product code: 10 x 50ug: 1381F / 500ug: 1381C



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 10 and 100 plate kits.

Product code: Flex 9000-10 / Express 9000-100



ING-2

ION Natrium Green is a yellow-green fluorescent, intracellular sodium (Na^+) indicator with improved cellular loading and significantly higher brightness than SBF1. Its spectral properties and large dynamic range are great for HTS and flow cytometry.

Product code: 10 x 50ug: 2013F / 500ug: 2013C



Brilliant Calcium Assays

High-throughput, no wash calcium (Ca^{2+}) assay. An optimal solution for measuring intracellular Ca^{2+} dynamics, including effectors such as GPCRs and protein transporters.

Available in 10 and 100 plate kits.

Product code: Flex 10000-10/ Express 10000-100



Fluo-4

Fluo-4 is the most popular green fluorescent, calcium (Ca^{2+}) indicator. Proven and trusted for decades to measure intracellular Ca^{2+} flux in high throughput screening and fluorescence microscopy applications.

Product code: 10 x 50ug: 1042F / 500ug: 1042C



Fura-2

UV-excitable, ratiometric green calcium (Ca^{2+}) indicator, membrane permeable.

Product code: 1mg: 1051B / 20 x 50ug: 1051E



Fluo-3

Fluo-3 is a green fluorescent, intracellular calcium (Ca^{2+}) indicator with slightly red-shifted spectral properties compared to Fluo-4.

Product code: 1mg: 1031B/ 20 x 50ug: 1031E



IPG-1

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

Product code: 10 x 50ug: 3041F/ 500ug: 3041C



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

Product code: 10 x 50ug: 3011F/ 500ug: 3011C



PBFI

PBFI is the K^+ analog of the Na^+ indicator SBFI. Acetoxymethyl ester derivative of the parent compound.

Product code: 10 x 50ug: 3031B/ 20 x 50ug 3031E



SBFI AM

UV-excitable, 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.

Product code: 1mg: 2021B / 20x 50mg: 2021E



ION VITAL Viability Kit

Two-color, fluorescence-based assay to discriminate between live and dead cells. Quantify live and dead cells within eukaryotic cell suspensions or adherent cultures, 3D cultures, organoids, and some non-fixed tissues.

Product code: 5000



ION VITAL MitoVolt

Ideal solution for detecting changes in mitochondrial membrane potential due to cell apoptosis or other stress-inducing phenomena. Compatible with fluorescence microscopy, flow cytometry, and plate reader applications.

Product code: 5100



MDR Activity Kit

Multidrug Resistance (MDR) Activity kit is an effective solution for detecting MDR1 and MRP1 activity and compounds susceptible to MDR-mediated efflux. ION's MDR Activity kit is compatible with fluorescence microscopy, flow cytometry, and fluorescence plate readers using FITC/fluorescein settings.

Product code: 3330