

## Brilliant Sodium 2 Assay Kit

Catalog # 9100

Brilliant Sodium 2 Assay is a second-generation, fluorescence-based solution designed for high-throughput screening of  $\text{Na}_v1.X$  modulators. At its core is ION Natrium Green 2 AM (ING-2 AM), a membrane-permeable, sodium-sensitive, fluorescent dye that enables real-time, direct measurement of intracellular sodium channel activity. Compared to the original version, Brilliant Sodium 2 delivers larger signal amplitudes and an expanded screening window, making it well-suited for determining  $\text{EC}_{50}$  or  $\text{IC}_{50}$  values of  $\text{Na}_v1.X$  activators and inhibitors.

Available in these sizes:	
9100-2	pIONeer Kit - 2 Plates
9100-10	Flex Kit - 10 Plates



Product Details	
Intended Use	High-throughput screening of voltage-gated sodium channel ( $\text{Na}_v1.X$ ) modulators
Compatible Instruments	Plate Reader, HTS Instrument
Product Size	Enough reagents for 2 or 10 x 96-well or 384-well plate assays
Storage Temperature	Ships Ambient; Multiple Storage Conditions: $-20^{\circ}\text{C}$ and $4^{\circ}\text{C}$
Packaging	Components placed in bags marked with storage temperature, all packed in a mylar pouch

Kit Contents	<i>pIONeer</i> Kit Cat# 9100-2		<i>Flex</i> Kit Cat# 9100-10	
Component	Size	Qty	Size	Qty
ING-2 AM	50 $\mu\text{g}$ Vial	2	50 $\mu\text{g}$ Vial	10
DMSO	Not Included in pIONeer		225 $\mu\text{L}$ Vial	1
50X DySolv	800 $\mu\text{L}$ Vial	1	4 mL Bottle	1
10X Brilliant Sodium 2 Assay Buffer	6 mL Bottle	1	30 mL Bottle	1
50X TRS	800 $\mu\text{L}$ Vial	1	4 mL Bottle	1
50X Probenecid	800 $\mu\text{L}$ Vial	1	4 mL Bottle	1
10X Brilliant Sodium 2 Stimulus Buffer	2 mL Bottle	1	10 mL Bottle	1

All supplied components are tested to meet individual product specifications. Please review the Kit Protocol for additional information and suitability of the kit with your application. Dye indicators and buffer reagents are all available for individual sale on our website.