

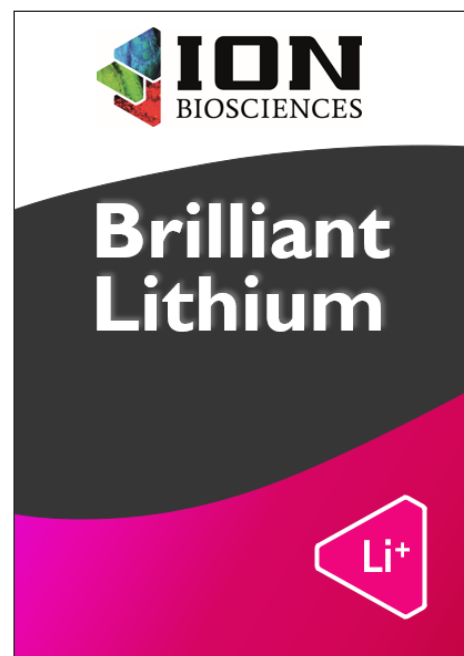
## Brilliant Lithium Assay Kit

Catalog # 9200

ION Biosciences' Brilliant Lithium Assay is a next-generation, fluorescence-based approach for high-throughput screening of  $Na_v1.X$  channel modulators. The assay uses ION Lithium Green 1 AM (ILG-1 AM), a membrane-permeable, lithium-sensitive fluorescent dye that enables functional voltage gated sodium channel measurements using lithium as a surrogate ion. Lithium readily permeates open  $Na_v1.X$  channels while bypassing many endogenous sodium-handling mechanisms, resulting in a robust and selective readout of channel activity.

Available in these sizes:

9200-2	pIONeer Kit - 2 Plates
9200-10	Flex Kit - 10 Plates



Product Details	
Intended Use	High-throughput screening of voltage-gated sodium channel ( $Na_v1.X$ ) 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# 9200-2		<i>Flex</i> Kit Cat# 9200-10	
	Size	Qty	Size	Qty
ILG-1 AM	50 $\mu\text{g}$ Vial	2	50 $\mu\text{g}$ Vial	10
DMSO	Not Included in <i>pIONeer</i>		225 $\mu\text{L}$ Vial	1
50X DySolv	800 $\mu\text{L}$ Vial	1	4 mL Bottle	1
10X Brilliant Lithium 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 Sodium Stimulus Buffer $[\text{Na}^+] = 1.38 \text{ M}$ $[\text{Li}^+] = 0 \text{ M}$	2 mL Bottle	1	10 mL Bottle	1
10X Lithium Stimulus Buffer $[\text{Na}^+] = 0 \text{ M}$ $[\text{Li}^+] = 1.38 \text{ M}$	800 $\mu\text{L}$ Vial	1	4 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 some buffer reagents are available for individual sale on our website.