ION BIOSCIENCES

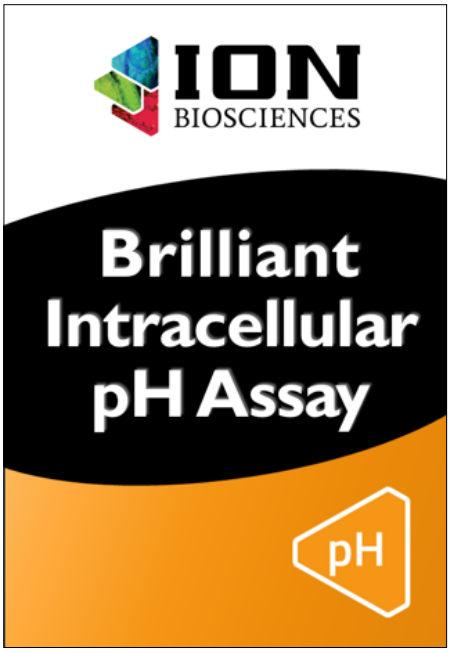
Product Specifications

Brilliant Intracellular Assay Kit

Catalog # 13000

Brilliant Intracellular pH Assay is a high-throughput, no-wash, fluorescence-based platform optimized to monitor activation of plasma membrane proton-coupled channels and transporters in response to pharmacological compounds. These include the voltage-gated proton channel (HV1), Na^+/H^+ exchangers (SLC9), divalent metal transporters (SLC11), peptide transporters (SLC15), monocarboxylate transporters (SLC16), proton-coupled amino acid transporters (SLC36), proton-coupled sugar transporters (SLC45), and the proton-coupled folate transporter (SLC46).

Available in these sizes:	
13000-2	pIONeer Kit - 2 Plates
13000-10	Flex Kit - 10 Plates



Product Details	
Intended Use	High-throughput screening of proton-coupled channel 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°C and 4°C
Packaging	Components placed in bags marked with storage temperature, all packed in a mylar pouch

Kit Contents	***pIONeer* Kit** Cat# 13000-2		***Flex* Kit** Cat# 13000-10	
Component	**Size**	**Qty**	**Size**	**Qty**
BCECF AM	50 µg Vial	2	50 µg Vial	10
DMSO	Not Included in pIONeer		225 µL Vial	1
50X DySolv	800 µL Vial	1	4 mL Bottle	1
10X Brilliant Assay Buffer	8 mL Bottle	1	40 mL Bottle	1
50X TRS	800 µL Vial	1	4 mL Bottle	1
50X Probenecid	800 µL 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 buffer reagents are all available for individual sale on our website.