

Brilliant Thallium Gold Assay Kit

Catalog # 11020

A total assay solution for multi-well plate based, high-throughput measurements of thallium (Tl^+) flux through K^+ , Na^+ , non-selective cation channels, and some Na^+ or K^+ transporters. The kit includes our proprietary Thallos Gold AM, a red-shifted thallium indicator that is responsive to intracellular Tl^+ dynamics and allows for multiplexing with GFP-expressing cells or other green-fluorescent indicators.

Available in these sizes:	
11020-2	pIONeer Kit - 2 Plates
11020-10	Flex Kit - 10 Plates



Product Details	
Intended Use	High-throughput, no wash thallium (Tl^+) assay with adherent or non-adherent cells
Compatible Instruments	Fluorescence Microscope, Plate Reader, Flow Cytometer, 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, 4°C, and 20-25°C (Room Temperature)
Packaging	Components placed in bags marked with storage temperature, all packed in a mylar pouch

Kit Contents	pIONeer Kit Cat# 11020-2		Flex Kit Cat# 11020-10	
Component	Size	Qty	Size	Qty
Thallos Gold AM	25 µg Vial	2	25 µg Vial	10
DMSO	Not Included in pIONeer		225 µL Vial	1
50X DySolv	800 µL Vial	1	4 mL Bottle	1
10X Brilliant Thallium Assay Buffer	4 mL Bottle	1	20 mL Bottle	1
50X TRS	800 µL Vial	1	4 mL Bottle	1
50X Probenecid	800 µL Vial	1	4 mL Bottle	1
10X Chloride Free Stimulus Buffer	1 mL Vial	2	10 mL Bottle	1
10X High Potassium Stimulus Buffer	1 mL Vial	2	10 mL Bottle	1
50 mM Thallium Sulfate	4 mL Bottle	1	20 mL Bottle	1

All supplied components are tested to meet individual product specifications, including validation in a cell assay similar to that described in the No-Wash Method of the Kit Protocol, available on the product webpage. 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.