ION BIOSCIENCES

Certificate of Analysis

10X Brilliant Thallium Assay Buffer

Lot 10720a

Method	Specification	Analysis
Description		
Appearance	Clear, Colorless Solution	Conforms
pH	**Mettler Toledo SevenCompact S-210 pH Meter**	
pH of 1X Solution[1]	7.30 ± 0.10	7.26
Osmolality	**Wescor 5520 Vapor Pressure Osmometer**	
Osmolality of 1X Solution[1]	290 ± 15 mmol/kg	292
Cell Assay	**BioTek Cytation 5 Cell-Imaging Multi-mode Plate Reader**	
Used as part of a dye-loading solution in a Cell Assay[2]	The assay returns a passing result for the selected Dye Indicator used in the corresponding bio-validation method	Passes

[1]Diluted to 1X concentration with Type II Lab-Grade Water; [2]Bio-validation Method: Thallos AM Cell Validation

David Woody
Quality Manager 10 Oct 2025