

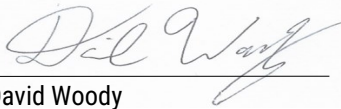
ION Vital: MitoVolt

Lot 10619b

Method	Specification	Analysis
HPLC (JC-10)	Supplier Provided Data	
Purity	≥ 98%	99.5%
Absorbance (100X JC-10)	BioTek Cytation 5 Imaging Reader	
Absorbance @ 460nm	2.86 ± 0.08	2.91
Absorbance (Masking Solution)	BioTek Cytation 5 Imaging Reader	
Absorbance @ 505nm	2.60 ± 0.08	2.67
pH (Dye Loading Buffer)	Mettler-Toledo SevenCompact S210 pH Meter	
pH	7.2 ± 0.1	7.2
Cell Assay	BioTek Cytation 5 Imaging Reader	
Signal/Background Ratio ¹	≥ 15	20
Imaging Analysis ¹	Observed fluorescence is intracellular, with minimal extracellular fluorescence, no aggregation with FCCP	Conforms

¹Solvent: PBS, CHO cells treated with 25 µM FCCP, λ_{max} Ex/Em: 469/525 nm and 531/593

Kit Components: 100X JC-10 (Lot 10618a), Dye-Load Solution (Lot 10518b), Masking Solution (Lot 10518b)



David Woody

Quality Manager

30 Sep 2024