



Technical Specifications

Updated 2/12/2019

Quantum Dot Microsphere with Streptavidin Functional Group

Composition	CdSe/ZnS encased in amphiphilic macromolecules
Stabilizing ligand	Streptavidin
Concentration	1uM
Volume	1 mL, 5 mL, 10 mL
Lifetime	Six months if stored properly at 2-8°C
Buffer	Deionized Water
Preservative	0.05% NaN ₃
Uniformity	C.V.% <5%

Catalogue #	Emission Peak (nm)	Quantum Yield	FWHM (nm)
QDMS-525	525±10	≥60%	≤30
QDMS-565	565±10	≥60%	≤30
QDMS-585	585±10	≥60%	≤30
QDMS-610	610±10	≥60%	≤30
QDMS-625	625±10	≥60%	≤30
QDMS-655	655±10	≥30%	≤40