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Product Data Sheet

Product Name:	Molday ION Dye Free
Catalog Number:	CL-50Q02-6A-0
Description:	Stable aqueous suspension of iron-based superparamagnetic nanoparticles (USPIO)
Application:	Used to label cells, providing MRI contrast, magnetic targeting, capture and retention.
Packaging:	2 ml sealed serum bottle
Volume:	2.0 ml
Weight of Iron:	2 mg Fe/ml
Mean Particle Size:	35 nm
Core:	Magnetite
Mean Core Size:	8 nm
Coating:	Dextran
Number of Particles:	~6.4E16 per g
Density:	~1.25 g/cm^3
Zeta Potential:	~ +48 mV
R1 (mM^{-1} sec^{-1})	32.1
R2 (mM^{-1} sec^{-1})	67.1
Cell Labeling:	Universal cell labeling reagent - No transfection agent required
Functionality	Amine
Visualization:	Prussian blue, MRI, TEM
Storage Buffer:	dH_2O
Autoclaved:	No
Long-Term Storage:	4 ^oC - **Do not freeze!**
Similar Products:	None
Expiration Date:	None

Known References:

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