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Product Data Sheet

Product Name:	Molday ION - 50nm
Catalog Number:	CL-50Q02-2
Description:	Stable aqueous suspension of iron-based superparamagnetic nanoparticles (USPIO)
Application:	MRI contrast agents used primarily for vascular imaging
Packaging:	2 ml sealed serum bottle
Volume:	2.0 ml
Weight of Iron:	10 mg Fe/ml
Mean Particle Size:	46 nm
Core:	Magnetite
Mean Core Size:	9 nm
Coating:	Dextran
Number of Particles:	~1.4E16 per g
Density:	~1.25 g/cm ³
Zeta Potential:	~ -5 mV
Blood Half-Life:	A few hours - model dependent
Functionality	Hydroxyl
Storage Buffer:	dH ₂ O
Autoclaved:	No
Long-Term Storage:	4 °C - Do not freeze!
Expiration Date:	None
