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## Product Data Sheet

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Product Name:	Molday ION
Catalog Number:	CL-30Q01-2B
Description:	Stable aqueous suspension of iron-based superparamagnetic nanoparticles (USPIO)
Application:	MRI contrast agents used primarily for vascular imaging
Packaging:	10 ml sealed serum bottle
Volume:	10.0 ml
Weight of Iron:	30 mg Fe/ml
Mean Particle Size:	30 nm
Core:	Magnetite
Mean Core Size:	8 nm
Coating:	Dextran
Number of Particles:	~6.5E16 per g
Density:	~1.25 g/cm <sup>3</sup>
Zeta Potential:	~ -4.8 mV
R1 (mM <sup>-1</sup> sec <sup>-1</sup> )	36.4
R2 (mM <sup>-1</sup> sec <sup>-1</sup> )	70.6
Blood Half-Life:	Several hours - model dependent
Functionality	Hydroxyl
Storage Buffer:	dH <sub>2</sub> O
Autoclaved:	No
Long-Term Storage:	4 °C - <b>Do not freeze!</b>
Similar Products:	Combidex, Sinerem, Ferumoxtran-10
Expiration Date:	None

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### Known References:

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\* References that specifically used the custom 20 ml 30 mg Fe/ml bottling