

Molday ION™ DOTA

Cat # MI-1001

Product Name: Molday ION DOTA

Catalog Number: MI-1001

Description: Stable aqueous suspension of iron-based superparamagnetic nanoparticles (USPIO)

Application: Used to chelate Tc-99m or Cu-64 and then label cells, providing dual MRI and nuclear contrast, magnetic targeting, capture and retention.

Packaging: 2 ml sealed serum bottle

Volume: 0.5 ml

Weight of Iron: 2 mg Fe/ml

Mean Particle Size: 30 nm

Core: Magnetite

Mean Core Size: 8 nm

Coating: Dextran

Number of Particles: ~6.4E16 per g

Density: ~1.25 g/cm³

Zeta Potential: ~ +21 mV

Cell Labeling: Universal cell labeling reagent - No transfection agent required

Functionality Amine

Visualization: Prussian blue, MRI, TEM, PET– if coupled to Cu-64, SPECT – if coupled to Tc-99m

Storage Buffer: dH₂O

Autoclaved: No

Long-Term Storage: 4 °C - Do not freeze

For further information or to place an order please contact Dr. Brian Gray by email: briangray@mtarget.com or phone: 610-738-7938



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