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Product Data Sheet

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| Product Name: | Molday ION EverGreen |
| Catalog Number: | CL-50Q02-6A-51 |
| 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: | ~ +31 mV |
| R1 (mM ⁻¹ sec ⁻¹) | 30.4 |
| R2 (mM ⁻¹ sec ⁻¹) | 75.8 |
| Fluorescent Tag: | EverGreen |
| Cell Labeling: | Universal cell labeling reagent - No transfection agent required |
| Functionality | Amine |
| Visualization: | Florescence, Prussian blue, MRI, TEM |
| Storage Buffer: | dH ₂ O |
| Autoclaved: | No |
| Long-Term Storage: | 4 °C - Do not freeze! |
| Similar Products: | None |
| Expiration Date: | None |
