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Product Data Sheet

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| Product Name: | Molday ION C2Azide |
| Catalog Number: | CL-50Q02-C2AZ |
| Description: | Stable aqueous suspension of iron-based superparamagnetic nanoparticles (USPIO) having an azide handle for click chemistry reactions. |
| Application: | MRI contrast agent for functional studies and for conversion to a nuclear imaging agent using click chemistry attachment of a radioisotope. |
| Packaging: | 2 ml sealed serum bottle |
| Volume: | 1.0 ml |
| Weight of Iron: | 1 mg Fe/ml |
| Mean Particle Size: | 50 nm |
| Core: | Magnetite |
| Mean Core Size: | 8 nm |
| Coating: | Dextran |
| Number of Particles: | ~6.4E15 per g |
| Density: | ~1.25 g/cm ³ |
| Zeta Potential: | ~ +48 mV |
| R1 (mM ⁻¹ sec ⁻¹) | 36.4 |
| R2 (mM ⁻¹ sec ⁻¹) | 70.6 |
| Functionality | Azide |
| Storage Buffer: | dH ₂ O |
| Autoclaved: | No |
| Long-Term Storage: | 4 °C - Do not freeze! |
| Similar Products: | None |
| Expiration Date: | None |
