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Product Information Sheet

Description

Product: **Mvivo USPIO**

Lot number: 1403/15

Description: **Aqueous dispersion of magnetic nanoparticles**

Quantity: **1 ml**

Application: **Preclinical Magnetic Resonance Angiography**

Characteristics

Core: **Magnetite**

Magnetization type: **Superparamagnetic**

Matrix: **Hydroxyethyl-Starch**

Functional group: **Hydroxyl groups**

Molecular weight of matrix: **70 DA**

Storage buffer: **Double deionized water**

Hydrodynamic size (app): **50 nm**

Autoclaved: **Yes**

Core size (app): **12-15 nm**

Concentration: **100 mg/ml**

Number of particles: **$\sim 1.3 \times 10^{16}/g$**

Storage: **4 to 8 degrees (do not freeze!)**

Density: **$\sim 1.25 \times cm^3$**