
Product Information – fluidMAG-CT

Product:	fluidMAG-CT		
Article Number:	4302-1 (1 ml); 4302-5 (5 ml)		
Description:	Aqueous dispersion of magnetic nanoparticles		
Application:	For MRI diagnostic or for binding of cationic molecules		
Weight of Volume:	25 mg/ml		
Production Date:			
Lot:			
Core:	Magnetite		
Matrix:	Citric acid, sodium salt		
Size approx.:	50 nm	100 nm	200 nm
Number of Particles:	$\sim 1.3 \times 10^{16}/\text{g}$	$\sim 1.8 \times 10^{15}/\text{g}$	$\sim 2.2 \times 10^{14}/\text{g}$
Density:	$\sim 1.25 \text{ g/cm}^3$		
Type of Magnetization:	Superparamagnetic		
Functional Group:	Carboxyl $-\text{COOH}$, sodium salt		
Autoclaved:	Yes		
Storage Buffer:	ddH ₂ O		
Storage:	4 – 8 °C. Do not freeze!		
Expiry date:	Two years after production date		

