
Product Information – fluidMAG-Chitosan

Product:	fluidMAG-Chitosan		
Article Number:	4118-1 (1 ml); 4118-5 (5 ml)		
Description:	Aqueous dispersion of magnetic nanoparticles		
Application:			
Weight of Volume:	25 mg/ml		
Lot:			
Production Date:			
Core:	Magnetite		
Matrix:	Polysaccharide, linear randomly distributed β -(1-4)-linked D-glucosamine and N-acetyl-D-glucosamine		
Size (hydrodynamic diameter):	50 nm	100 nm	200 nm
Number of Particles:	$\sim 1.3 \times 10^{16}/g$	$\sim 2.2 \times 10^{14}/g$	$\sim 2.2 \times 10^{14}/g$
Density:	$\sim 1.25 \text{ g/cm}^3$		
Type of Magnetization:	Superparamagnetic		
Functional Group:	Amine group (-NH ₂)		
Attachment:	No		
Storage Buffer:	ddH ₂ O		
Autoclaved:	Yes		
Storage:	4 – 8 °C. Do not freeze!		
Expiry date:	Two years after production date		

