
Product Information – fluidMAG-PY

Product:	fluidMAG-PY		
Article Number:	4309-1 (1 ml); 4309-5 (5 ml)		
Description:	Aqueous dispersion of magnetic nanoparticles		
Application:	Phytic acid can act as anti-cancer agent by reversing the proliferative effects of carcinogens and is a natural plant antioxidant.		
Weight of Volume:	25 mg/ml		
Production Date:			
Lot:			
Core:	Magnetite		
Matrix:	Phytic acid (Inositol hexaphosphate) sodium salt		
Size approx.:	50 nm	100 nm	150 nm
Number of Particles:	$\sim 1.3 \times 10^{16}/g$	$\sim 1.8 \times 10^{15}/g$	$\sim 5.2 \times 10^{14}/g$
Density:	$\sim 1,25 \text{ g/cm}^3$		
Type of Magnetization:	Superparamagnetic		
Functional Group:	Phosphate, sodium salt		
Autoclaved:	Yes		
Storage Buffer:	ddH ₂ O		
Storage:	4 – 8 °C. Do not freeze!		
Expiry date:	Two years after production date		

