

CLEMENTE ASSOCIATES

Magnetic Beads & Separators / Nucleic Acid Isolation

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TECHNOLOGY: MAGNETICS: GENERAL

GENERAL CHARACTERISTICS FOR A 50 NM MAGNETIC PARTICLE	
PRODUCT:	
Core of particle:	Magnetite Fe ₃ O ₄
Mg. Fe/ml:	1.0
Particle shape:	Irregular shaped particles composed of 10 nm clusters of SIZE Magnetite. 50 nm size by Electron Microscopy.
Density:	1.0004 g/cc
Surface area:	> 24 m ² /gram
# of particles:	>10 ¹⁵ particles/gram
Coating on core:	Varies
Quantity supplied:	2 ml
Particle suspension:	10 mM phosphate pH 7.5 with 0.02% Sodium Azide Available without azide upon request
DO NOT FREEZE	

GENERAL CHARACTERISTICS FOR A 250 NM MAGNETIC PARTICLE	
PRODUCT:	
Core of particle:	Magnetite Fe ₃ O ₄
Mg. Fe/ml:	1.0
Particle shape:	Irregular shaped particles composed of 10 nm crystals. 250 nm size ±10%
Density:	1.0016 g/cc
Surface area:	> 4.8 m ² /gram
# of particles:	>10 ¹³ particles/gram
Coating on core:	Varies
Particle suspension:	10 mM phosphate pH 7.5 with 0.02% Sodium Azide Available without azide upon request
DO NOT FREEZE	