Absolute Mag™ Amine Iron Oxide Nanoparticles, 5 nm

Cat.No: WNM-X007

DESCRIPTION

Description	Absolute Mag™ Amine Iron Oxide Nanoparticles, which are coated with amphiphilic polymer, are water soluble iron oxide nanocrystals. The functional group on surface is amine. Their zeta potential is from 0 mV to +10 mV. Their organic layers contain a monolayer of oleic acid, a monolayer of amphiphilic polymer, and a monolayer of dextran, whose thickness is about 6 nm. The hydrodynamic size of the nanocrystals is about 12-14 nm larger than their inorganic core size measured by the TEM. Absolute Mag™ Amine Iron Oxide Nanoparticles can be conjugated to carboxylic acid or amine containing molecules with low non-specific binding.

PRODUCT INFORMATION

Particle Size	5 nm
Functional Group	Amine
Concentration	5 mg/mL (Fe)

STORAGE AND SHIPPING

Storage Buffer	10 mM PBS, pH 7.4, 0.02% NaN_3
Storage	4°C; Do not freeze.
Shelf Life	12 months

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