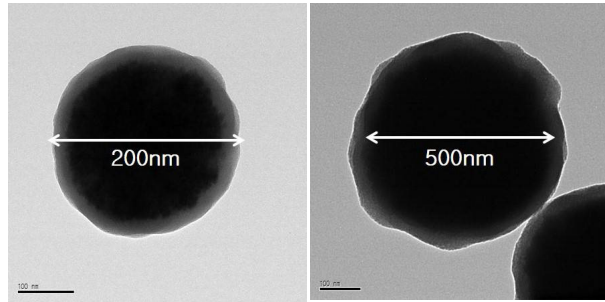


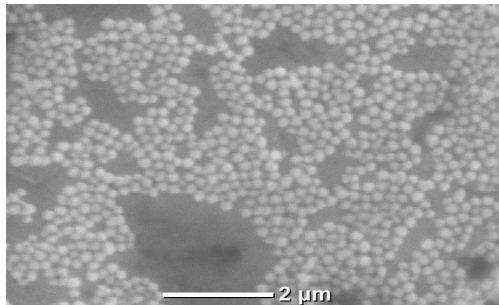
SPHERO™ Silica High Iron Nano Superparamagnetic Particles

- SPHERO™ Silica Superparamagnetic nanospheres are Fe₃O₄ magnetic beads coated with a silicon dioxide (SiO₂) layer
- Provides silanol groups to form stable siloxane linkages which are then used with a variety of organosilane chemistry approaches to modify the surface
- Useful in an array of applications such as covalent immobilization of proteins (e.g. antibodies, enzymes), peptides, nucleic acids or other molecules of interest
- Used to purify DNA or RNA under high concentration of chaotropic salts.

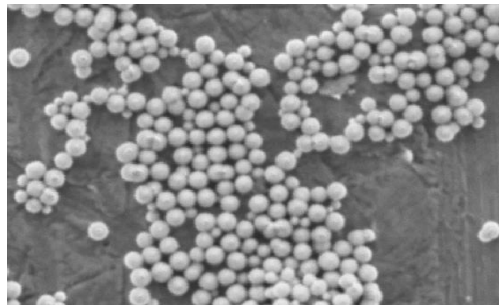


Images of SIM-025-10H and SIM-05-10H

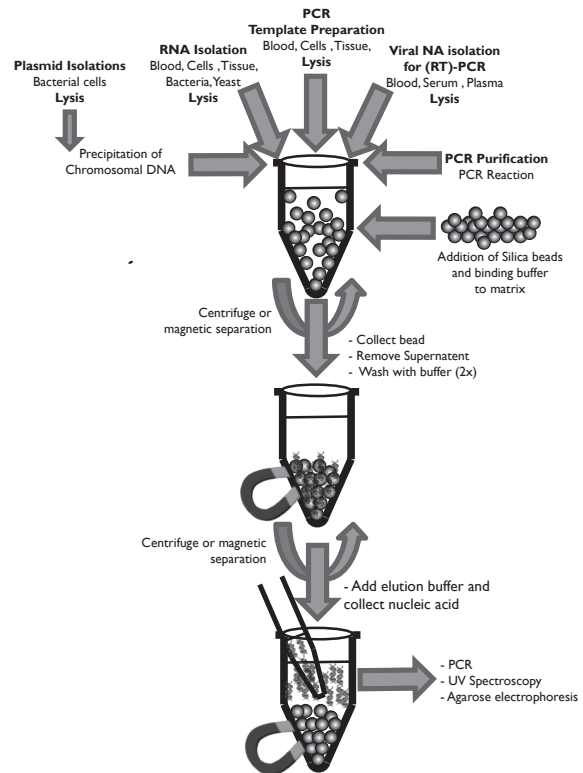
Particle Type and Surface	Size, μm	% w/v	Catalog No.	Unit
Silica Superparamagnetic	0.1-0.39	2.5	SIM-025-10H	10 mL
Silica Superparamagnetic	0.4-0.69	2.5	SIM-05-10H	10 mL
Silica Superparamagnetic	0.7-0.9	2.5	SIM-08-10H	10 mL
Silica Superparamagnetic	1.0-1.4	2.5	SIM-10-10H	10 mL
Amino Silica Superparamagnetic	0.1-0.39	2.5	ASIM-025-10H	10 mL
Amino Silica Superparamagnetic	0.4-0.69	2.5	ASIM-05-10H	10 mL



SEM of SIM-025-10H from a JEOL JCM-6000



SEM of SIM-10-10H from a JEOL JCM-6000



Silica Magnetic Beads DNA Purification Principle

Silica Superparamagnetic Particles