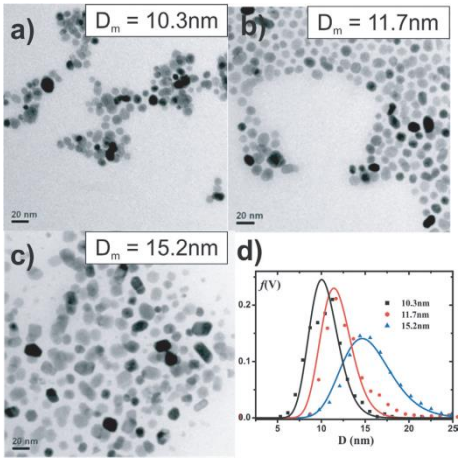
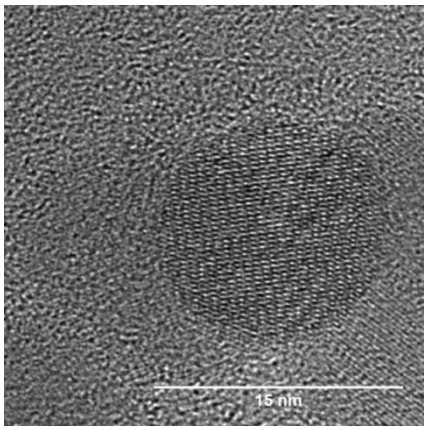
LIQUIDS RESEARCH LTD

HyperMAG® Nanoparticles

- Magnetite (Fe_3O_4) nanoparticles produced by Liquids Research's proprietary technique – the Controlled Growth Process (CGP).
- Particles produced have a defined size and a narrow size distribution (σ_{lnD} <0.2).
- High resolution TEM shows that the particles are highly crystalline out to the surface.
- Batch size currently produces ~ 100g of high crystalline nanoparticles.
- Highly scalable batch size.
- Particles are stable to sedimentation.*
- Standard coating meso-2,3-dimercaptosuccinic acid (DMSA).





Product	Magnetite Core Size (nm)	Hydrodynamic Size [±10%] (nm)	Zeta-Potential (mV)	Fe Concentration (mg/ml)	Saturation Magnetisation (Gauss)	Solvent
HyperMAG-A	10.3	<100	-40	5	6	dH_2O
HyperMAG-B	11.7	<100	-40	5	6	dH_2O
HyperMAG-C	15.2	<100	-40	5	6	dH_2O

* Depending on concentration.

Cert No. 1773-QMS-001

ISO9001: 2008