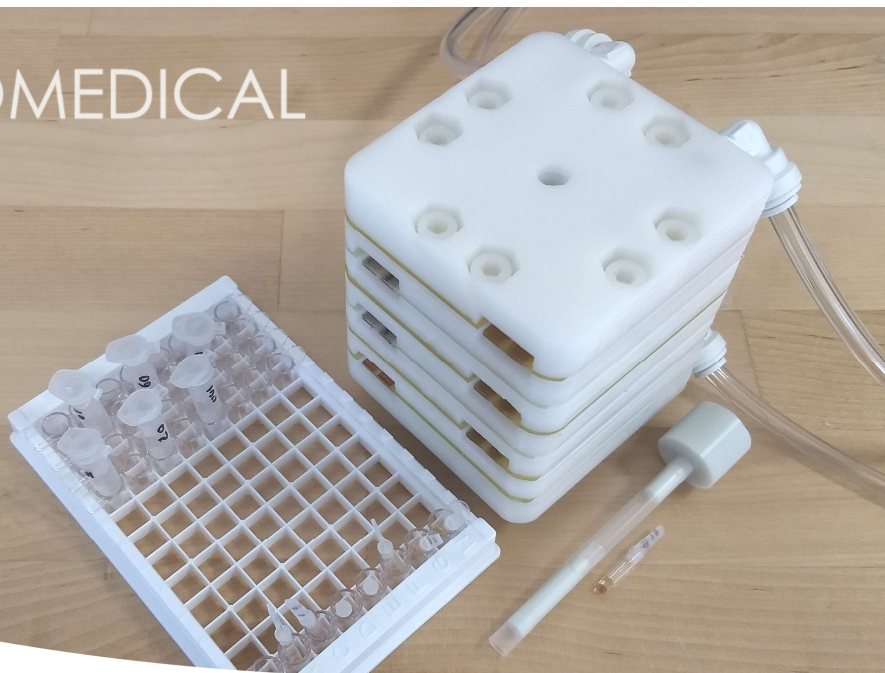


LODESTONE BIOMEDICAL



NCS

Nanoparticle Characterization System

The NCS is a multi-excitation-coil spectrometer which can characterize smallest amounts of magnetic nanoparticles in complex field patterns. The liquid cooled spectrometer is capable of creating AC field free points or multi-frequency patterns that are otherwise only found in 3D imaging systems. The integrated sample mover enables investigations into the effects of these field patterns along one dimension. The NCS software is capable of real time feedback of each individual coil and can be programmed for automated measurement sequences.

Frequency Range (@ 20 mT)	500 Hz – 1500 Hz
Frequency Range (< 20 mT)	Up to 25000 Hz
Field Strength	Up to 25 mT
Sample Volume	100 ml
Measurement Bore	$\varnothing = 5.7$ mm
Detection Range	100 ng (Resovist)



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