



Model 106 Essential System Phantom Spec Sheet

- Developed in collaboration with NIST and ISMRM.
- \varnothing 194 mm spherical shell.
- T1 mimics: 14x spheres with NIST-traceable NiCl_2 solutions from ~ 20 ms to ~ 1900 ms.*
- T2 mimics: 14x spheres with NIST-traceable MnCl_2 solutions from ~ 5 ms to ~ 550 ms.*
- Proton density (PD) mimics: 14x spheres from 5% to 100%.
- Fiducial markers: 19x \varnothing 10 mm spheres on 50x50x50 mm (X/Y/Z) grid, accurately positioned to 100 μm .
- Patented ten-element liquid crystal (LC) thermometer, MR-readable, for temperature compensation from 15°C to 24°C.
- Resolution pattern with hole diameters from 0.4 mm to 0.8 mm.
- Slice profile crossed wedges set precisely at 10°.
- Compatible with qCal-MR® QA/QC software.



CaliberMRI provides MRI phantoms with calibration solutions and tissue mimics that have traceability up to and including full SI traceability through NIST when available.

*Nominal values taken at 3T at 20°C

4909 Nautilus Court North, Suite 121, Boulder, Colorado 80301 USA
+1.720.828.QMRI (7674) | info@qmri.com | www.qmri.com