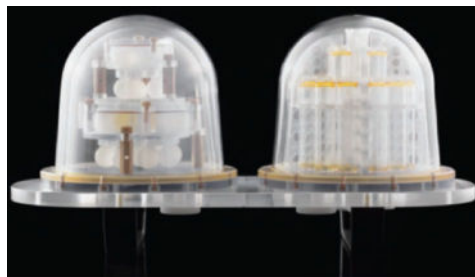




Model 207 Premium Double-Wall Breast Phantom Spec Sheet

- Developed in collaboration with NIST.
- Two breast chambers: “Contrast side” and “Diffusion side” with common chest plate, level, handles.
- Contrast side, four tiers:
 - FBG and Fat mimics surrounded by FBG.
 - FBG and ADC mimics (25% PVP) surrounded by Fat.
 - Fat mimics surrounded by FBG.
 - FBG mimics surrounded by Fat.
- Diffusion side:
 - ADC mimics* surrounded by FBG: PVP 10% ($\sim 1.5 \times 10^{-3}$ mm²/s), PVP 14% ($\sim 1.4 \times 10^{-3}$ mm²/s), PVP 18% ($\sim 1.3 \times 10^{-3}$ mm²/s), PVP 20% ($\sim 1.2 \times 10^{-3}$ mm²/s), PVP 25% ($\sim 1.0 \times 10^{-3}$ mm²/s), PVP 40% ($\sim 0.5 \times 10^{-3}$ mm²/s)
 - 4x Fat vials.
 - 1x pure water reference vial.
 - Spatial distortion array: $\varnothing 10$ mm holes on a 15 mm grid.
 - Resolution arrays: $\varnothing 0.5$ mm through $\varnothing 1.25$ mm holes in ISMRM pattern; $\varnothing 1$ mm, $\varnothing 2$ mm, $\varnothing 4$ mm, $\varnothing 6$ mm, $\varnothing 8$ mm, $\varnothing 10$ mm holes.
- Patented ten-element liquid crystal (LC) thermometer, MR-readable, for temperature compensation from 15°C to 24°C.
- Double wall outer shell with ~ 6 mm Fat layer between for Fat suppression.
- 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