



CaliberMRI

Map Beyond the Known

**Set the Ultimate Standard for Breast Cancer
Treatment Monitoring with the**

CMRI Premium Breast Phantom



All the premiere breast qMRI components in one, easy to use breast phantom. Designed in collaboration with the leading breast qMRI researchers in the world.

NIST UCSF

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Know the Premium Specs

➤ The Contrast and Diffusion sides are encased in **robust, semi-rigid double-walled shells**. Between the walls is a fat mimic designed for comprehensive fat suppression assessment.

➤ The **exclusive patented LC MR-Readable Thermometer*** is encased in the Diffusion Side for **standardizing measurements between 15°C and 24°C**.

➤ 40 diffusion and contrast vials and spheres for **ADC ($1.1 \times 10^{-3} - 0.13 \times 10^{-3} \text{ mm}^2/\text{s}$, 0°C), fat T_1 (335 ms, 3.0 T at 20°C), dense tissue T_1 (1580 ms, 3.0 T at 20°C) standardization.****

The Contrast Side contains a varied array of **fat mimic, fibroglandular mimic, and PVP mimics** that aid in **fat suppression, and T_1 mapping and standardizing**.

The Diffusion Side contains a fat mimic, and a varied array of **PVP mimics** that aid in **ADC mapping and standardizing**.

➤ **Fine resolution and distortion tools** are embedded in the Diffusion Side. The Premium Breast Phantom contains **fine resolution and distortion patterns** for detailed analyses.

The resolution plates contain two fine resolution patterns with **.50, .75, 1.00, and 1.25 mm hole diameters** and **14 coarse resolution patterns** with **1, 2, 4, 6, 8, and 10 mm hole diameters**.

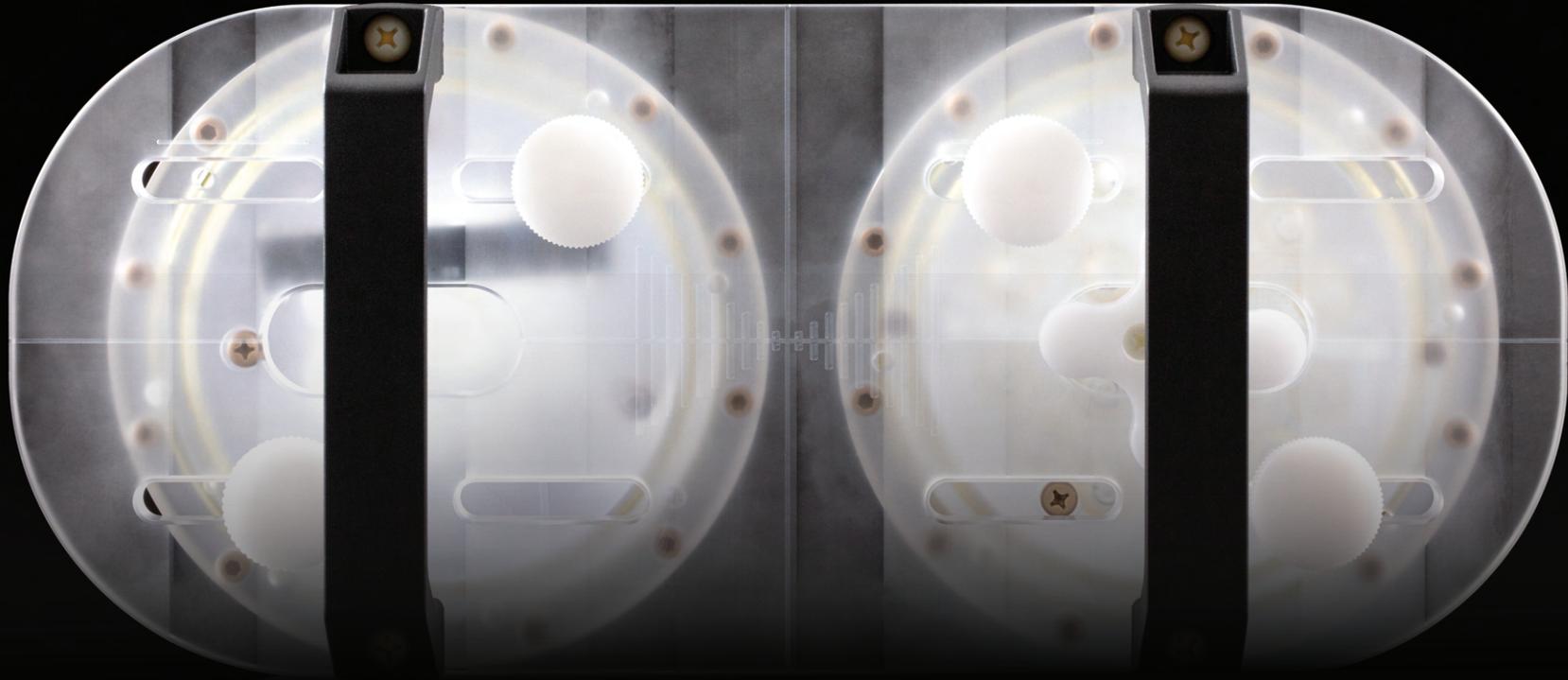
The spatial distortion plates contain **10 mm holes on a regular pattern, 15 mm center-to-center**.



*US Patent 10,809,331

**NIST traceability pending

Newly designed chest plate allows for rotation of the Diffusion Side by 90 degrees relative to the chest plate.



Now users can seamlessly change the in-plane view between distortion and resolution plates.