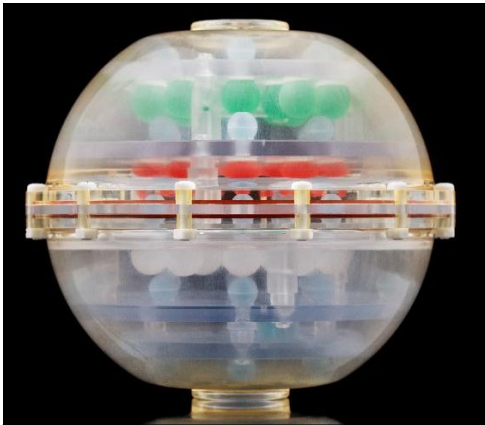


CaliberMRI is on a mission to advance quantitative MR imaging (qMRI). We provide MRI phantoms with calibration solutions and tissue mimics that have traceability up to and including full SI traceability through NIST when available. We offer a fully-integrated MRI standardization platform including brain, breast, prostate, custom phantoms, and companion automated quality control (QC) software, qCal-MR<sup>®</sup>. Our platform has been developed in collaboration with professional organizations including NIST, ISMRM, and RSNA/QIBA.

## Relaxometry “System” Phantoms – T1, T2, and PD

Compatible with qCal-MR<sup>®</sup> software



### Premium System Phantom

**Model 130** (231mm diameter)  
“ISMRM/NIST Phantom”

42 NIST-traceable T1, T2, and proton density contrast spheres. 56 fiducial spheres for spatial distortion. Three resolution inserts with 4x4 patterns from 0.4mm-1.0mm, slice profile wedges, liquid crystal MR-readable thermometer.



### Essential System Phantom

**Model 106** (194mm diameter)

42 NIST traceable T1, T2, and proton density contrast spheres. 19 fiducial spheres for spatial distortion. One resolution insert with 4x4 pattern from 0.4mm-0.8mm, slice profile wedges, liquid crystal MR-readable thermometer.



### Mini System Phantom

**Model 136** (170mm diameter)

42 NIST traceable T1, T2, and proton density contrast spheres. 15 fiducial spheres for spatial distortion. One resolution insert with 4x4 pattern from 0.4mm-0.8mm, slice profile wedges, liquid crystal MR-readable thermometer.

## Diffusion Phantoms – ADC

Compatible with qCal-MR<sup>®</sup> QC Software

### Diffusion Phantom Model 128

#### Mini Diffusion Model 138

“QIBA/RSNA Phantom”  
(194mm & 170mm)

10 NIST-traceable ADC mimic vials, six HPLC water reference vials, liquid crystal MR-readable thermometer.



### Mini Hybrid Phantom Model 137

(170mm diameter)

42 NIST traceable T1, T2, ADC mimic, and HPLC water reference spheres. 15 fiducial spheres for spatial distortion. One resolution insert with 4x4 pattern from 0.4mm-0.8mm, slice profile wedges, liquid crystal MR-readable thermometer.

## Premium Breast Phantoms – T1 and ADC



### Premium Single-Wall Breast Phantom Model 206 Premium Double-Wall Breast Phantom Model 207

Compatible with qCal-MR® software

**T1 Side:** Four tiers of fibroglandular and fat mimics surrounded by fat and fibroglandular interstitial solutions.

**Diffusion Side:** 12 vials with NIST-traceable ADC mimics, four fat mimic vials, fibroglandular interstitial solution.

**Additional Features:** Two resolution pattern plates, two spatial distortion plates, and liquid crystal MR-Readable thermometer.

## Prostate Phantoms – T1, T2, and ADC

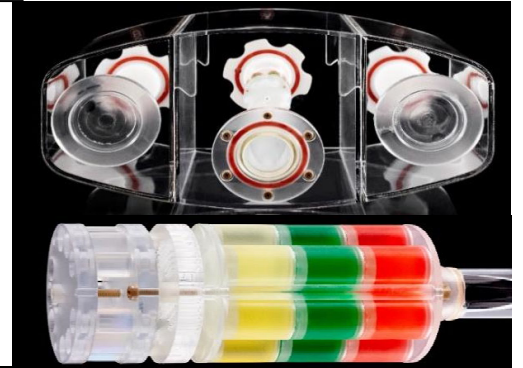
### Premium Prostate Phantom Model 208 Essential Prostate Phantom Model 108

**Model 208:** Center and two outer chambers

**Model 108:** Single chamber

**Both Models:** Rotatable mimic array, seven each: T1, T2, and ADC mimic vials, resolution pattern, and liquid crystal MR-readable thermometer.

Optional accessory: endorectal coil tubes.



## qCal-MR® Software – QC Software



qCal-MR software processes your phantom's DICOM scans and automatically produces a report that assesses scan quality and scanner performance. qCal-MR automatically detects mimic ROIs, calculates qMRI values, performs temperature corrections based on the liquid crystal thermometer reading, compares the qMRI values with the known NIST/CaliberMRI values, and generates a variety of useful reports. qCal-MR software automates longitudinal and cross-site scanner comparisons and quality control.

## QIBA Conformance Certification

CaliberMRI provides the QIBA Conformance Certification to help clinical sites and imaging CROs and Core Labs demonstrate they can achieve high-quality quantitative imaging results. Sites must pass the QIBA DWI standards.



QIBA® Conformance Certification Mark

## Custom Phantoms & Collaborations

As the developer and manufacturer of the original “NIST/ISMRM System Phantom” and “QIBA Diffusion Phantom”, we have extensive experience in developing products for qMRI quality control. We have worked with researchers, hospitals, OEMS, and pharmaceutical companies around the world to develop a variety of custom phantoms. improve QC and advance health insights. Contact us at [info@qmri.com](mailto:info@qmri.com) to discuss how we can create the perfect phantom for your needs. Rev D

For additional information and questions, email [sales@qmri.com](mailto:sales@qmri.com) or call +1 720-828-QMRI (7674)

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