

Daily QA™ -MR

MR-Compliant, Daily Beam Quality Measurement

Daily QA™-MR is the first commercially available daily QA device for MR-linacs. It enables fast beam quality checks in the presence of magnetic fields.



The Daily QA-MR enables efficient routine QA with single beam measurement results for Energy, Output, Transverse, Axial Symmetry, Shape Constancy, and Field Size Shifts (FFF). Accepted data is automatically written to a database in real-time, and is immediately available for trending, review and analysis.

Features & Benefits

- Energy, Output, Transverse, and Axial Symmetry
- Shape constancy and field size shift for FFF beams
- Built upon the Daily QA™ 3 gold-standard design, reconfigured to support MR environments
- No additional buildup required for any test or energy
- 9 ion chambers and 12 SunPoint® Diode detectors available for measurements
- Automatic temperature and pressure corrections
- Real-time measurements – view data instantly
- Export PDF reports
- SQL database for added security and access control

Accessory: Use a standard lok-bar to position the Daily QA-MR device on the MR-linac couch for accurate, reproducible daily positioning.



Lok-bar not included



Calibration fixture included with every Daily QA-MR for device calibration.

Specifications

Detector Type: SunPoint® Diode Detectors and Vented Ion Chambers

Detector Spacing (mm): Diodes: 5.0

Chamber Active Volume (cm³): Photon: 0.3

Measured Field Size (cm): 20 x 20

Inherent Buildup (g/cm²): 0.95

Inherent Backscatter (g/cm²): ~2.0

Radiation Measured: Photon 6 and 7 MV FFF

Operating System: Windows 10 Professional

Dimensions W/L/H (cm): 26.00 x 43.15 x 3.63

Weight (kg): 3.3

Compatibility: Elekta Unity, ViewRay® MRIdian®

Accessories: Calibration Fixture Included

Number of Connection Cables: Single power / data cable, PIM Cable, HV Cable

MR Compatibility: The Daily QA-MR and its associated cabling, stand, and accessories do not contain ferromagnetic material in amounts that would result in magnetically induced displacement forces that exceed those specified in ASTM F2052-15 for field strengths up to 1.5 T. The Power and Data Interface (PDI) power supply, power cord, and USB connector are not MRI Safe and must be kept outside of the treatment room.