



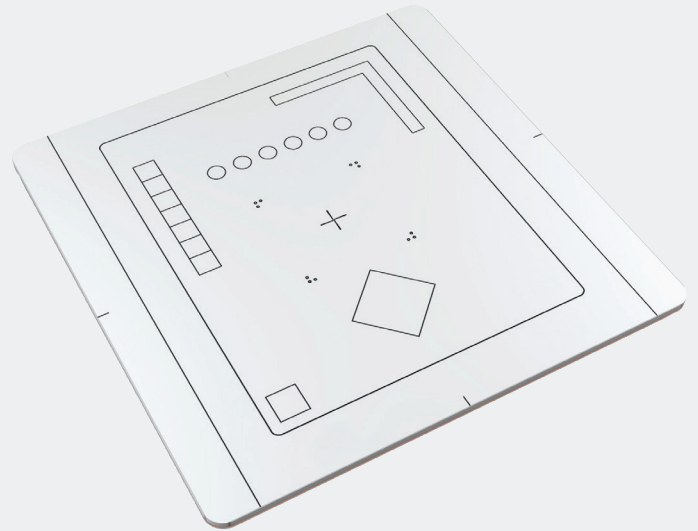
SUN NUCLEAR

A MIRION MEDICAL COMPANY

DR QC Phantom

139702

- Supports monthly and semiannual QA of DR systems
- Complies with German standards DIN 6868-58 and DIN 6868-13



The DR QC Phantom supports comprehensive quality assurance testing of digital radiography (DR) detectors and associated imaging software. It enables efficient evaluation of 14 x 17" and 17 x 17" DR systems, making it well suited for routine quality control programs.

The phantom supports seven key quality assurance assessments for monthly and semiannual testing. These include exposure linearity and detector sensitivity, high- and low-contrast reproducibility, detection of artifacts and residual images, spatial resolution evaluation, collimator beam alignment, measurement tool accuracy, and display jitter analysis. A built-in line pair target with 0.10-mm lead thickness enables detailed assessment of high-contrast spatial resolution.

Recommended test parameters, QC report forms, and a padded soft carrying case are included to support consistent testing, documentation, and convenient transport.

Key Benefits

- Accommodates testing of 14 x 17 in (35 x 43 cm) and 17 x 17 in (35 x 35 cm) systems
- Includes test objects for seven quality assurance tests
- Complies with German standards DIN 6868-58 and DIN 6868-13
- Minimized lead content helps meet European regulations
- Includes testing parameters and QC report forms
- Includes a padded soft case

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Specifications

Dimensions	43.18 x 44.45 cm (17" x 17.5")
Weight	3.6 kg (8 lbs)
Materials	PMMA, Copper, Aluminum

Suggested Test Frequency

Monthly Testing

- Exposure linearity and sensitivity
- Tracking high- and low-contrast reproducibility
- Checking for artifacts and residual images
- Image resolution

Semiannual Testing

- Collimator beam alignment
- Accuracy of measurement tools
- Display jitter evaluation

