



# MagIQ and MagIQ Duo

## MRI PHANTOM

An image quality phantom for magnetic resonance imaging comprising a single chamber (MagIQ) or two identical chambers (MagIQ Duo) which may be filled with different solutions to create two test objects (e.g. high field and low field). A total of 5 (MagIQ) or 10 (MagIQ Duo) separate signal compartments can be used.

MagIQ includes the following features;

**Reproducible positioning and test conditions**

- white pigment-filled centre markings
- integral bubble level
- external LCD temperature strip

**Geometric Distortion**

- An array of 25.0mm uniformly pitched, high contrast circles

**Spatial Resolution**

- LP/mm (1.0 LP/mm)
- MTF edge block

**Contrast Resolution**

**Fat Suppression**

- 8 user defined compartments (4 x in each arrangement)

**SNR / Ghosting / Uniformity**

- Flood-fill section for measurement of SNR, ghosting, uniformity

**Slice Profile**

- Wedges or 'virtual plates' can be used for slice profile measurements



fig. 1, MagIQ Duo

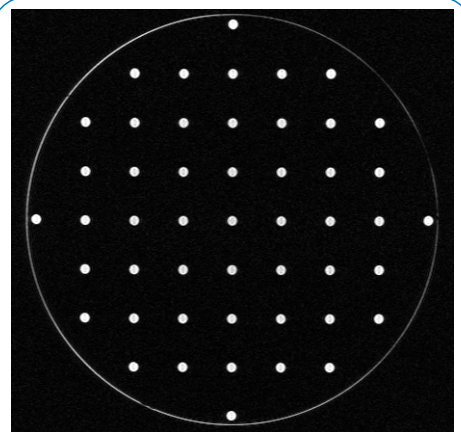


fig. 2, Geometric Distortion

For more information or to find your regional distributor please visit our website

# MagIQ

## MRI PHANTOM

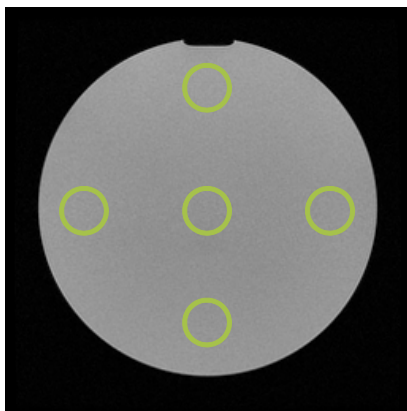


fig. 3, SNR, Ghosting, Uniformity

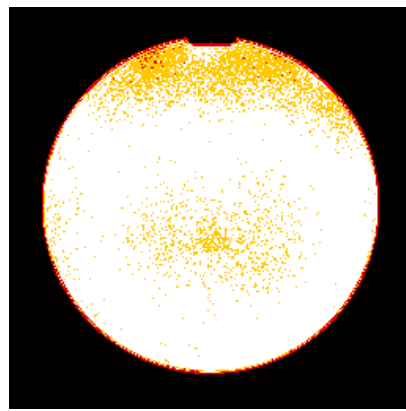


fig. 1, Uniformity Map

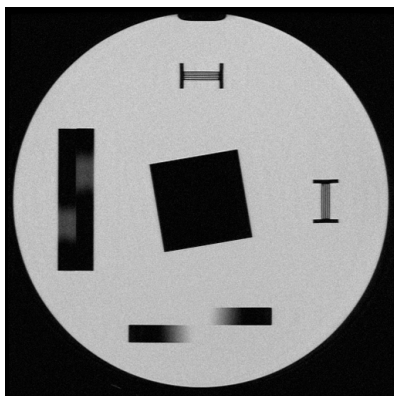


fig. 5, Spatial Frequency, Slice Profile

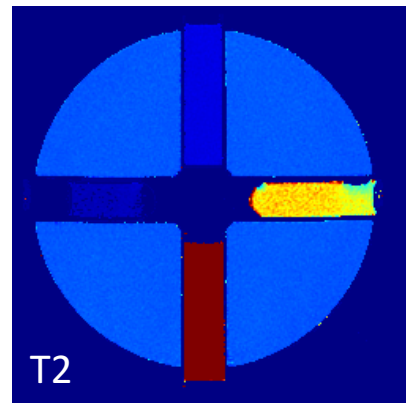


fig. 6, Contrast Resolution

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