



GOLD
STANDARD
PHANTOMS

MULTISAMPLE 120S

One phantom
endless possibilities

- Quantitative T1 and T2 relaxometry
- Diffusion
- Metabolic imaging
- Spectroscopy
- Multi-nuclear imaging
- Fat fraction

The MultiSample120 is a 120mm diameter cylindrical phantom, capable of holding up to eight industry standard Falcon BD 15ml polypropylene vials. The phantom can be supplied pre-filled with configurations for diffusion or relaxometry, or empty for filling by the user, making it ideal either for acquisitions/technique development, or quality assurance of advanced imaging methods.

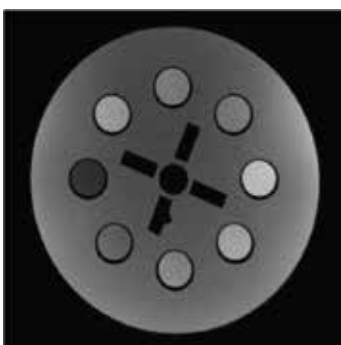
- Standardised Multi-vial phantom, using industry-standard Falcon BD 15ml sample vials.
- Available pre-filled with configurations for diffusion and relaxometry, or empty for your own unique applications.
- Use for Quality Assurance testing and validation of advanced MRI techniques

More
Demo Data
at GSP
Viewer

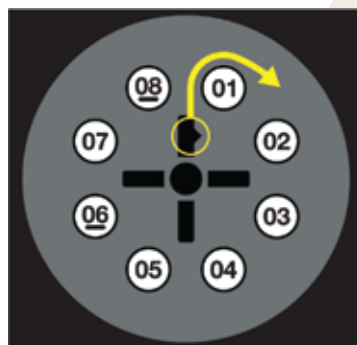


The sample holder features an MR-visible fiducial marker that provides only a single order of rotational symmetry, making it easy to unambiguously identify every sample vial in every MR image.

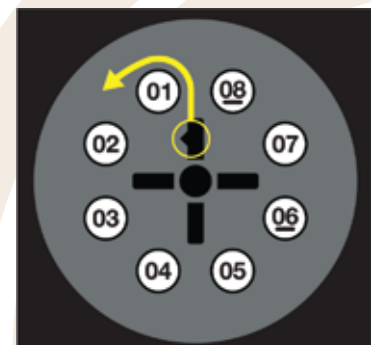
Fiducial
Acquired MR image



Front View
Clockwise Rotation



Rear View
Counter-clockwise Rotation



Temperature Monitoring

Monitor the phantom's temperature using the included liquid crystal thermometer. Two ports are included for inserting fibre optic probes. Contact us to see how your favourite temperature probes can be fitted to the phantom.

Specification Table

Diameter	120mm (internal volume) 130mm (outer cylinder) 160mm (widest point)
Length	163mm
Overall dimensions	(L)160mm x (W)160 mm x (H)165mm
Ports	2x 1/4" BSP (filling ports) 2x M12x1.5 (probe ports)
Materials	Body and Lid: Polycarbonate Sample holder: Polycarbonate and Acrylic Fasteners: GF Nylon and Polycarbonate Plug: GF Nylon Seals: Nitrile
Sample containers	8x Falcon BD 15ml polypropylene vials Easy snap in-design means tubes can be easily changed without the need to disassemble the sample holder.
Phantom Contents	Can be: - Supplied empty. - Filled with standard diffusion and relaxometry configurations. - Filled to customer specification on request.
Packaging	Foam padded box for storage and transport
Optional extras	Insertable fibre optic thermometer probes Torque screwdriver (highly recommended for self-filling applications to prevent damage from overtightening screws.)

Pre-filled vials
Available!
in standard configurations
for Diffusion
and Relaxometry

with NIST certification

Other materials
Available!
on request.

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