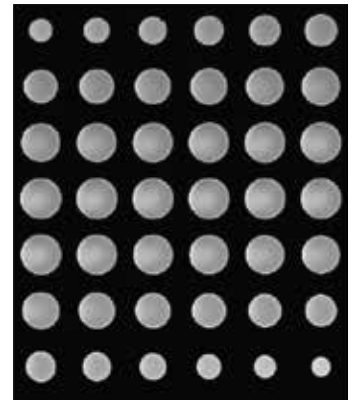




Susceptibility Weighted Image acquired at 3T



EPI volume acquired at 3T

We use a synthetic polymer as a gelling agent that offers several advantages over the traditional agar/agarose fBIRN phantom. Being a natural product derived from seaweed, agar is subject to significant variation in gel properties and relaxation times from batch to batch.

Due to the high-temperature processing that agar requires, traditional fBIRN phantoms suffer from the presence of bubbles. In addition, agar is mechanically fragile and a growth medium for bacteria.

Our VERIFLUX gel:

- Is practically bubble-free, due to our superior, room-temperature manufacturing process.
- Has enhanced standardisation of relaxation times controlled by paramagnetic salts.
- Is less prone to fracturing and more mechanically stable than agar due to its inherent elasticity.

Sphere Diameter	18cm	veriflux Specification Table
Gel T1	~460 ms*	
Gel T2	~60 ms*	
Materials	HDPE (spherical shell), Nylon (cap), Nitrile (cap gasket)	
Phantom Contents	Water-based polyacrylamide gel, doped with Manganese Chloride and CMIT:MIT based preservative.	
Includes	Liquid crystal thermometer Protective foam lined box. Stand	

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Serial Number:

SN- _____



**GOLD
STANDARD
PHANTOMS**

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veriflux

Automated Stability Analysis

Functional Magnetic Resonance Imaging (fMRI) pushes an MRI scanner's hardware to the limits of its performance, whilst demanding exceptional stability in order to detect small changes in blood oxygenation levels. For over 18 years MRI system stability for fMRI has been monitored using the fBIRN fMRI quality assurance protocol[1], which specifies a phantom, imaging protocol and analysis algorithm to quantify performance.

Designed to fit within modern multi-channel MRI head coils, the VERIFLUX Phantom uses a proprietary, water-based, synthetic gel inside a HDPE spherical shell, resulting in a test object that meets the characteristics established by the fBIRN committee.

It can be used in conjunction with the VERIFLUX SaaS, providing an easy-to-use, automated stability analysis for dedicated management of quality assurance tests.

- The ideal solution for MRI stability Quality Assurance testing.
- fBIRN compliant spherical gel phantom.
- 18cm diameter HDPE spherical shell.
- Homogeneous and bubble-free: superior image quality compared to agarose gels.
- Physiologically matched relaxation times.
- Use to assess temporal stability, SNR, SFNR, RDC, and other MRI performance metrics.
- Use with VERIFLUX SaaS for an easy-to-use, automated fBIRN stability analysis.

[1] Report on a multicenter fMRI quality assurance protocol. Friedman and Glover. JMIR p827-839, Vol 23, Issue 6, 2006. (<https://doi.org/10.1002/jmri.20583>)

Unmatched Precision

Veriflux guarantees the utmost accuracy, stability, and quality assurance for your fMRI systems.

Secure a promise of precision in every scan.

Time-Saving Ally

Streamlines the analysis process, saving you both time and resources.

Simplifies complex quality assurance procedures.

SaaS Simplicity

Veriflux SaaS offers swift and dependable fMRI analysis.

Automated Analysis AI processes your data, delivering results at unprecedented speed.



Analysis Details

