

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.



# veriflux

## Automated Stability Analysis

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



