



Quantitative MRI (qMRI) Diffusion Phantom (QIBA DWI)

Uniwersalny standard precyzyjnego obrazowania w Dyfuzji MRI

High Precision Devices' Quantitative (qMRI) Diffusion Standard is a commercialized version of the QIBA DWI standard specifically designed for MRI scanners mapping isotropic diffusion processes of water molecules. It consists of a plastic sphere similar in size to a human head and vials with various concentrations of the polymer polyvinylpyrrolidone (PVP) in aqueous solution. The solutions are referenced to NIST for the most accurate assessment and standardization of MRI scanners performing measurements of the apparent diffusion coefficient (ADC).



Key Features

Diameter: 194 mm

13 vials filled with aqueous solutions of PVP from 0 to 50 % w/w

Measurements taken with vials in ice bath at 0°C

Temperature probe port for easy measurement of temperature

Interchangeable vial plate for accommodating vials of different sizes