

Pro-MRI Agar

09-202



This stability (agar) phantom consists of a cylindrical phantom and agar material inside. Using this phantom a Signal to Noise Ratio, Signal Fluctuation to Noise Ratio, drift, and other imaging measures over a 100-volume or 200-volume fMRI scan can be performed. The agar phantom has characteristics similar to the T2 measures of a human head, but provides no change in signal. The T1 and T2 characteristics of the agar phantom at 3T are ~900 ms T1 and 30 ms T2.

Technical data (can be modified to customer specifications):

- overall cylinder dimensions: 140 mm in diameter, 150 mm in height
- cylinder made of PMMA
- filled with agar gel with T1 and T2 characteristic at 3T of ~900 ms T1 and 30 ms T2.
- optional carrying case (09-102)

Product features:

- Complies with:
 - ACR MRI Accreditation Program
 - IPEM Report 80 "Quality Control in MRI", 1998
 - AAPM Rep. 28 "Quality Assurance methods & phantoms for MRI", 1990
 - AAPM Rep. 34 "Acceptance testing of MRI systems", 1992
 - AAPM Rep. 100 "Acceptance & Quality Assurance procedures for MRI facilities", 2010
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration