

Temporal Bone Phantom

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Product code: FR02879



Temporal bones of the head phantom are small phantoms with a three-layered bone structure similar like an actual skull bone (cortical bone on top and bottom and diploe in the middle). Upon request, we can adjust the porosity and thickness of the diploe layer and by doing so we can adjust the ultrasonic attenuation of the phantom. The design of this phantom is based on an average temporal bone of a male skull and it is made out of realistic patented bone material that is suitable for Ultrasound, MRI and CT applications (any other part of the skull can be fabricated based on the customer order). The phantom has a realistic three-layered structure and the inner porosity can be adjusted according to the requirement of the particular project.

TEMPORAL BONE PHANTOMS:

- Realistic for Ultrasound, MRI and CT
- Realistic thickness, spatial variation and ratio of diploe
- Size and dimensions corresponding to the temporal window (approx. 8×8 cm)
- Various porosity (attenuation): approx. 30, 45, 60 dB/cm @2.25 MHz
- Various thickness (2.2mm, 4.0mm, 7.0mm)