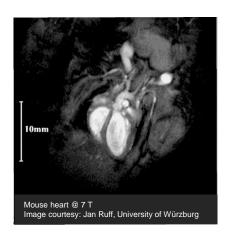


Quadrature Mouse Volume Coils *

MR Coils - Made to Measure

MR Coils Made-to-Measure





Description

- Dedicated mouse volume coil for non-invasive investigation of mice.
- Quadrature polarization provides optimum SNR.
- The B1-field homogeneity can be adapted to the application (e.g. heart or brain).
- The coil can be interfaced to any type of MR system including whole body scanners allowing pharmacological studies on contrast agents at a field strength of clinical relevance.

Granular Layer White Dentate Gyrus Lateral Ventricle Olfactory Bulb Layers Anterior Commisure Spinal Cord Grey Matter Mouse brain @ 9.4 T Image courtesy: Jon Cleary, University College London

Specifications

coil	volume resonator for mice
features	transmit / receive quadrature polarization
B ₀ -field strength	1.5 T - 12 T
dimensions	inner diameter according to demands: 10 mm for newborn mice up to 39 mm for adult mice outer diameter: 59 mm
B ₁ -field characteristics	according to demands e.g. 'short' heart coil or 'long' whole body coil
specials	coil can be adapted to whole body scanners.
required equipment	quadrature hybrid