RAPID Biomedical

MR Coils - Made to Measure

Detachable Loop Coil *

The electronics of this linear receive coil can be detached from a wire loop that is cemented on the rodent skull by the researcher. The benefit of this is the high SNR due to the proximity of the coil to the brain and the compatibility with implanted devices such as EEG electrodes.

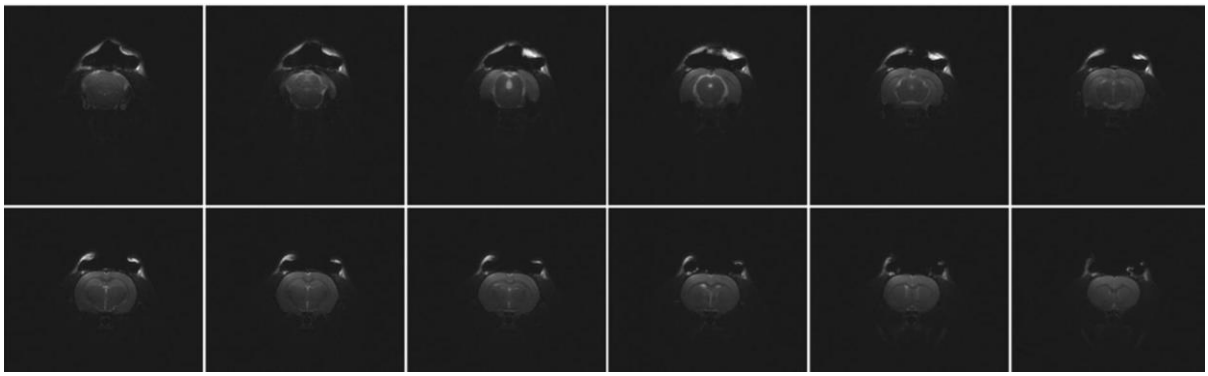
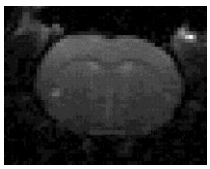
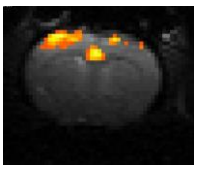


Image Courtesy: Tiina Pirttimäki, University of Eastern Finland, Kuopio, Finland





- surface rodent head coil (mouse or rat)
- detachable wire loop, implantable
- diameter adjustable to customer specifications
- receive only, actively decoupled
- integrated preamplifier
- mechanically adapted to standard animal cradle with stereotactic holder, anesthesia mask and bite bar
- requires actively decoupled volume transmit coil
- individually adaptable to most established NMR systems

coil	detachable wire loop, dimensions adjustable wire duplicates can be bent by the researcher and implanted in multiple animals
B_0-field strength	1.5 T to 7 T
dimensions	length: 86 mm width: 68 mm height: 26.5 mm
weight	ca. 0.4 kg

RAPID Biomedical GmbH - www.rapidbiomed.de - info@rapidbiomed.de - tel. +49 9365 8826 0
Distributor in the United States, Canada and South America:
RAPID MR International, LLC - www.rapidmri.com - info@rapidmri.com - tel. +1 614 486 6300