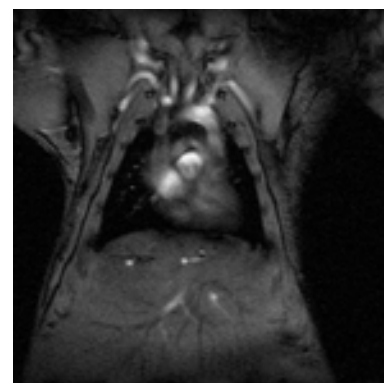
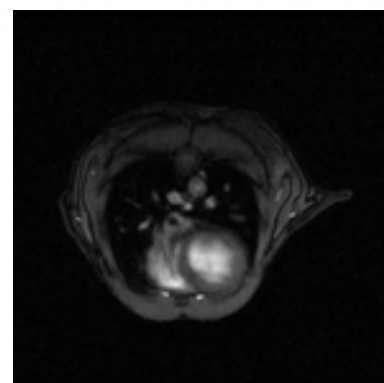


Modular receive-only coils:

A single low noise amplifier (LNA) provides a simple plug-and-play interface to as many surface coils as needed. This allows to use a dedicated surface coil for each application, of optimized size and geometry for that specific region of interest.

Technical Specifications:

- Nucleus: ^1H
- Main Field (B_0): 3 T / 4.7 T / 7 T / 9.4 T / 11.7 T
(Other nuclei and field strength available on demand)
- Receive-only
- Actively decoupled
- Modular, single cable connection between coil and LNA
- Minimum distance between coil and LNA for maximum SNR
- Additional equipment required:
 - Actively detuned, transmit-only volume coil
 - PIN diode driver



Mouse heart sagittal and coronal views @ 7 T, 32 mm surface coil (courtesy of CNIC)

Mouse cardiac coil:

Cradle-shape, 16 mm coil, optimized for small regions of interest in a small rodent thorax or abdomen.

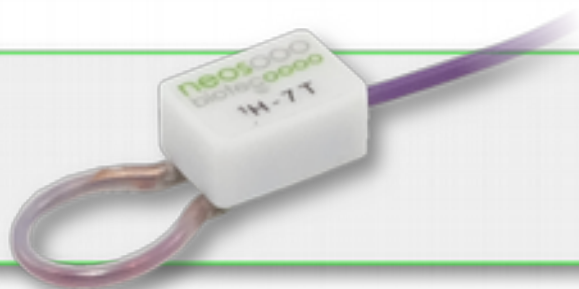
Rat cardiac coil:

Cradle-shape, 32 mm coil, optimized for medium-size regions of interest in mouse or rat thorax or abdomen.



Special coils for HIFU applications:

Customized in size and geometry to fit into the HIFU transceiver setup, with a sealed enclosure to prevent the ingress of water and a wide inner window to allow the flow of focused ultrasound energy through the coil.



Mouse brain coil:

Elliptical surface coil, with bare conductor construction, to allow the insertion of mouse skull inside the coil, providing maximum SNR in whole mouse brain, including deep regions.

Accessories to adapt coils + LNA enclosures to animal holders and other equipment:

Adaptors and custom designed parts to ensure a simple interface with other vendor's hardware, to improve workflow in animal and coil positioning.

Customized designs:

Extra coils can be built as per customer's requirements and specifications, providing adapted solutions and optimizing performance with a minimum investment.

