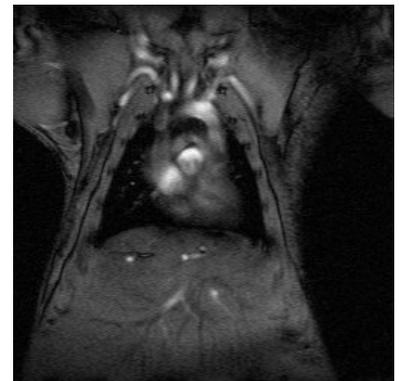
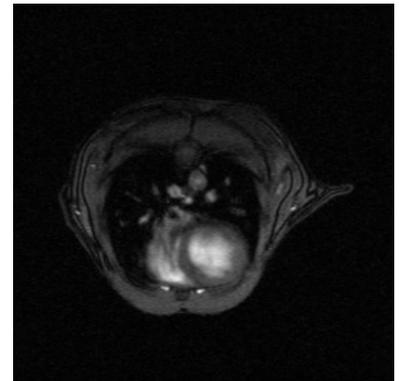


Modular, actively-decoupled, receive-only coils:

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.

Cradle-shape, 32 and 16 mm active sizes are standard, other coil sizes and geometries are regularly built on-demand.



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

Technical Specifications:

- Nucleus: ¹H
(Other nuclei available on demand)
- Main Field (B₀): 4.7 T / 7 T / 9.4 T / 11.7 T
- Receive-only
- Actively decoupled
- Modular, single cable connection between coil and LNA
- Minimum distance between coil and LNA for maximum SNR
- Standard coil sizes:..... 32 mm & 16 mm
(Other sizes and geometries available on-demand)
- Additional equipment required:
 - Actively detuned, transmit-only volume coil
 - PIN diode driver