

Dual Tuned Flex Surface Coil @ 7 T *

MR Coils Made-to-Measure

MR imaging and MR spectroscopy at 7 T with high SNR have demonstrated a high capability for in-vivo experiments. The increased SNR is especially welcome for non-proton studies due to their low intrinsic SNR. For these applications RAPID Biomedical has developed the first flexible, multi-purpose dual tuned coil for 7 T.

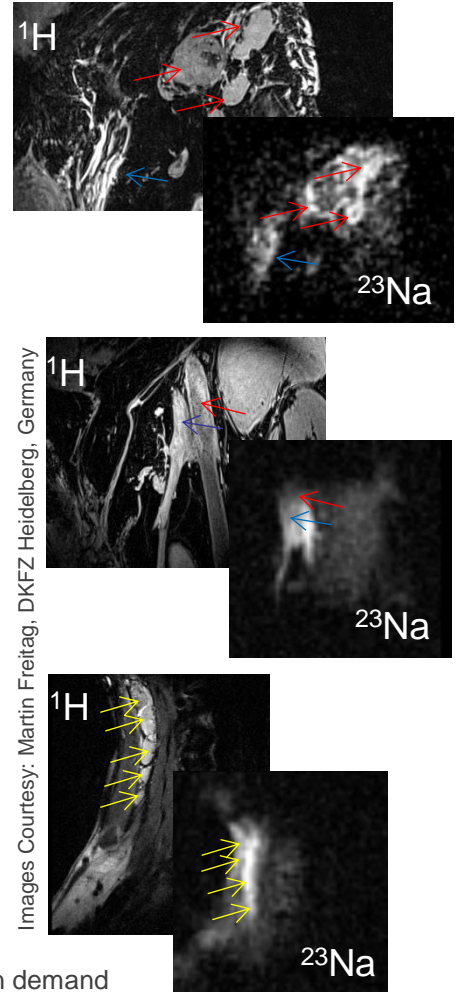


- Multi-purpose application
- transmit / receive linear polarization on both channels
- allows ^1H decoupling
- flexible coil housing
- adapts to body shape with maximum patient comfort
- coil design available for $^{23}\text{Na}/^1\text{H}$, $^{31}\text{P}/^1\text{H}$ and other combinations on demand
- individually adaptable to most established MR systems

The current rules for medical devices prohibit a CE-approval for 7 T coils. To compensate for this RAPID Biomedical runs a **medical device compatible testing** of 7 T coils.

Specifications

approvals	no Medical Device, CE according to Council Directive 93/42/EEC
B_0 -field strength	7 T
housing dimensions	140 x 150 mm
weight	ca. 1 kg



Images Courtesy: Martin Freitag, DKFZ Heidelberg, Germany