

3T Dual Tuned Flex Surface Coil *

MR Coils Made-to-Measure

Magnetic resonance spectroscopy provides molecular information from the human body. With localized spectroscopy even molecular imaging is available. For MR systems equipped with a Multi Nuclei Option (MNO) RAPID Biomedical has developed the first flexible dual tuned surface coil to collect this information.

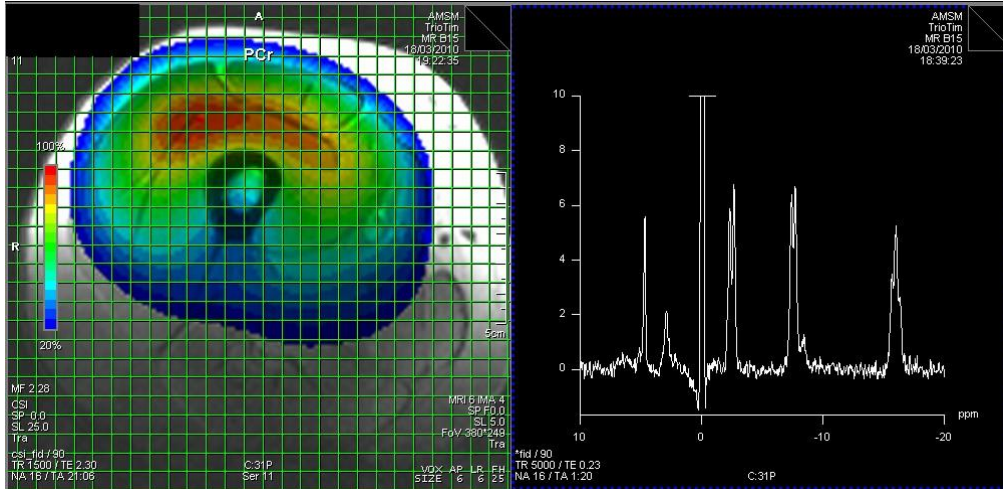


Image Courtesy: Chris Boesch et. al., University of Bern, Switzerland

- multiple purpose application such as extremities and skeletal muscle
- transmit / receive linear polarization
- flexible coil housing provides maximum patient comfort
- optimum SNR
- optimum penetration depth
- available for ^{31}P , ^{23}Na , ^{13}C , ^{19}F , ... spectroscopy
- supports ^1H decoupling when applicable
- individually adaptable to most established MR systems
- **for liver and cardiac applications we offer coils with adapted size for appropriate penetration depth**

The example above shows a ^{31}P vastus application.



Specifications

approvals	Medical Device, CE according to Council Directive 93/42/EEC
B_0 -field strength	1.5T and 3T
housing dimensions	outer diameter: 22 x 33 cm
weight	coil: 0.7 kg interface: 3.3. kg