RAPID Biomedical

PRODUCT DATASHEET

Multi Channel Dual Tuned Head Array 7 T

Specifications

- ^{31}P, ^{23}Na or ^{13}C spectroscopy / imaging of the brain, other nuclei on demand
- non-proton quadrature polarization for transmit
- up to 32 channel non-proton receive array for increased SNR performance
- ^{1}H transmit / receive with quadrature polarization
- open design for fMRI studies
- approx. housing dimensions:
  dual tuned volume resonator OD 36.5 cm
  receive array: ID 20 cm x 22 cm (oval)
- sliding mounting mechanism for patient access

Regulatory requirements for medical devices will vary by country and MR system.
Please, contact us at info@rapidbiomed.de or info@rapidmri.com (USA, Canada, and South America) to determine approval status for products mentioned on this product sheet.

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Made to Measure

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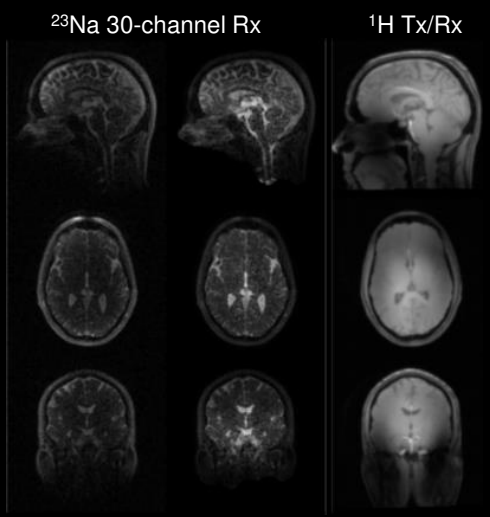
7T Multi-Channel Dual Tuned Head Coil



The in-vivo example shows: ^{23}Na MRI data from 30-channel array data reconstructed using ADC (1st column) and B_1^- corrected ADC (2nd column). Anatomical details become clearly visivible. The ^{1}H data displays good field homogeneity (3rd column).

image courtesy:
J.M. Lommen, DKFZ Heidelberg, Germany

Important Note: For Siemens Terra and Terra.X MR systems a 32 channel ^{23}Na / ^{1}H version of this product is available exclusively through SIEMENS Healthcare.

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