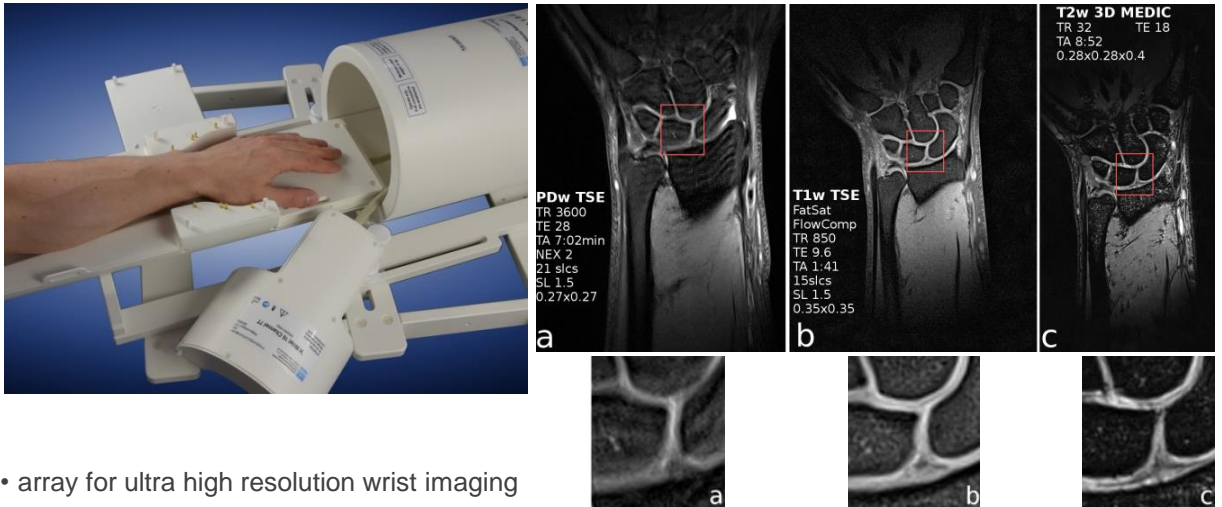


7 T 16-Channel Wrist Array *

MR Coils Made-to-Measure

7 T MRI scanners have the benefit of potentially higher SNR which can be used to increase the resolution of MR images. RAPID Biomedical has developed a combination of a transmit volume coil (Tx) and a 16 channel high density receive array (Rx) to effectively support the researchers to exploit the increased field strength in their investigation of the fine structures in the human wrist.



- array for ultra high resolution wrist imaging
- transmit quadrature birdcage
- optimized work flow by split receive array and separate transmit coil
- 16 receive channels, supporting parallel imaging
- split housing for patient comfort and easy positioning
- head rest for comfortable „Superman“-positioning
- slide frame supports fully flexible positioning for left or right wrist
- individually adaptable to most established MR systems

* Images show in-vivo (coronal) of the right wrist of a healthy volunteer. Apart from minor motion artifacts on the left the images are pristine and clearly depict the wrist anatomy and cartilage in high detail.

Specifications

* Regulatory requirements for medical products 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.

B_0 -field strength	7 T
housing dimensions	volume resonator: ID 17.1 cm, OD 20.8 cm, length: 29 cm Rx Array: ID 6 cm x 8 cm (patient access side) / 12.4 cm (wiring side), length: 75.5 cm
weight	ca. 8.7 kg

Image Courtesy: Stefan Alt, DKFZ Heidelberg, Germany