

¹³C Abdominal Arrays*

MR Coils Made-to-Measure

¹³C metabolic MR imaging is getting more and more exciting since this method is beginning to be explored in human applications. Dedicated RF coils play an important role in this context. Tx coils should pose high Tx efficiency for short RF pulses whereas an optimized SNR is needed on the Rx side. ¹³C array technology is desirable for applying accelerated imaging to save precious ¹³C magnetisation. An option for ¹H overview imaging or shimming is also necessary. High requirements in safety and workflow are set for human applications.



- ¹³C receive-only
- up to 16 independent receive channels
- supports parallel imaging
- flexible housing option
- CE certified as medical device
- use of ¹H body coil allowed
- dedicated ¹³C transmit coil required

Pre-clinical results from pig studies

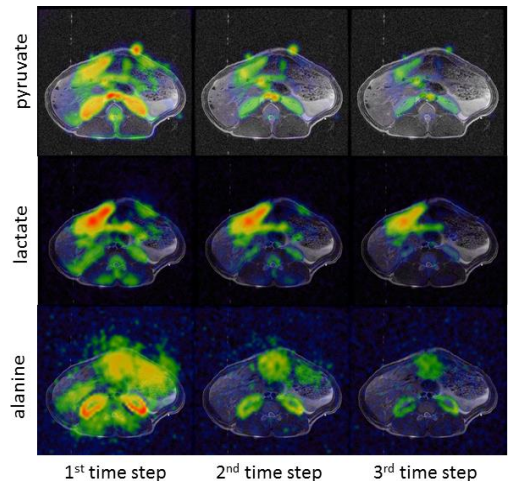


Image Courtesy: Christoffer Laustsen, Aarhus University, Denmark

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	3 T
housing dimensions	25 x 25 x 3.5 cm up to 32 x 40 x 3.5 cm
weight	ca. 2.8 kg