

# <sup>13</sup>C Abdominal Arrays\*

## MR Coils Made-to-Measure

<sup>13</sup>C 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. <sup>13</sup>C array technology is desirable for applying accelerated imaging to save precious <sup>13</sup>C magnetisation. An option for <sup>1</sup>H overview imaging or shimming is also necessary. High requirements in safety and workflow are set for human applications.



- <sup>13</sup>C receive-only
- up to 16 independent receive channels
- supports parallel imaging
- flexible housing option
- use of <sup>1</sup>H body coil allowed
- dedicated <sup>13</sup>C transmit coil required

Pre-clinical results from pig studies

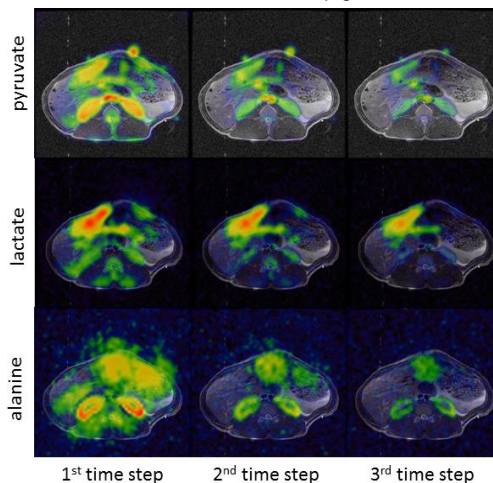


Image Courtesy: Christoffer Laustsen, Aarhus University, Denmark

## Specifications

\* Regulatory requirements for medical products will vary by country and MR system. Please contact us at [info@rapidbiomed.de](mailto:info@rapidbiomed.de) or [info@rapidmri.com](mailto: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