Most MRI studies start with an overview image. After this, a particular region is covered in detail. These two tasks are typically achieved with two separate coils. The RAPID Biomedical 8 channel volumetric mouse array migrates both tasks into one coil.

- 8 channel whole mouse body array
- 2 x 4 coil elements on inner tube
- receive only, actively decoupled
- integrated preamplifiers
- covering a FoV of 8 cm length
- coil elements can be activated individually
- supporting parallel imaging methods such as SENSE or GRAPPA
- actively decoupled volume transmit coil (on clinical MR systems: body coil) needed for operation
- multi-channel MR system needed for operation
- animal support with integrated anaesthesia mask and bite bar included

Specifications

<table>
<thead>
<tr>
<th>$B_0$-field strength</th>
<th>1.5 and 3 T</th>
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</thead>
</table>
| dimensions           | inner / outer diameter: 35 / 119 mm  
|                      | array length: 80 mm |
| weight               | 1.2 kg      |