

Connectome Neonatal System *

MR Coils - Made to Measure

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Neonatal brain MRI is increasingly undertaken both for clinical care and research with the main focus on enhanced care for fragile babies during scanning and optimized imaging performance.

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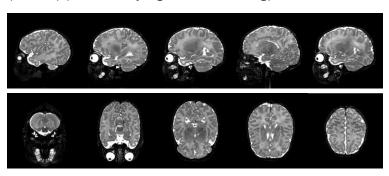


Image Courtesy: Dr. Emer Hughes Centre for the Developing Brain & Department of Biomedical Engineering KCL London, U.K.

The sequence is a T2 TSE with an acquired voxel resolution of 0.8 x 0.8 x 1.6 mm³ and a slice gap of -0.8 mm. TR=12000 ms, TE=156 ms, SENSE =2. Time =3 mins 25 secs

- · dedicated for examining babies up to 44 weeks gestational age at time of scan
- rigid but light shell with positioning holes to prepare the baby
- support frame to slide the head coil over the baby and shell
- close fitting 32-channel multi-coil receiver array
- · three immobilization cushions (Pearltec AG) that conform to the shape of the baby's head
- baby transport trolley
- acoustic hood to protect baby from noise





* 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 of the coil	outer diameter coil 20 cm, inner diameter shell 13/15.2 cm housing length coil ca. 25 cm (shell ca. 69 cm, frame ca. 115.4 cm)
weight	coil ca. 5.2 kg + shell ca. 2.7 kg