



MR Diagnostics
Incubator System

nomag[®] IC ADVANCED

Be sure it's no magic!



MRI MEETS NEONATOLOGY: MR DIAGNOSTICS INCUBATOR

The treatment of newborn and premature babies makes high demands of neonatologists and radiologists, and if complex organic abnormalities or malformations occur, non-invasive diagnostics are required. For instance, MR examination methods of the nervous system of newborn or premature babies today include MR spectroscopy, diffusion imaging or functional MRI. With the new MR Diagnostics Incubator System **nomag[®]IC ADVANCED**, such examinations can be performed on infants quickly and without complications.

RADIOLOGY SUITABLE FOR INFANTS

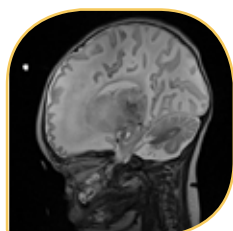
The properties and features of the MR Diagnostics Incubator System **nomag[®]IC ADVANCED** are designed to meet the needs of both newborn and premature babies:

- Temperature and humidity regulation according to the child's needs
- No exposure to radiation for the baby
- A reduced need for sedation and elimination of general anaesthesia
- Improved noise protection for the infant in the MRI scanner
- Wider patient bed
- Optimal diagnostics options thanks to adapted RF coils for the head and body
- Optimized examination time with maximum safety
- Minimal patient handling

WELL-GROUNDED CONCEPT, SIMPLE HANDLING

The MR Diagnostics Incubator System **nomag[®]IC ADVANCED** also ensures simple handling of the system for the medical staff:

- Better access to the patient
- Better handling thanks to reduced weight
- Easier cleaning thanks to modular design
- Optimized workflow for MRI examinations





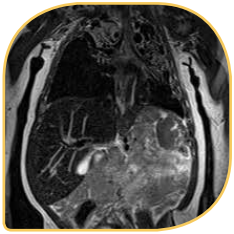
INNOVATION OUT OF LUEBECK: THE INCUBATOR FOR MRI SCANNERS

With the ground-breaking development of their MR diagnostics incubator for the transport and MRI examination of infants, Luebeck's own LMT Medical Systems GmbH has revolutionized pediatric radiology. Situated at the intersection of radiology and neonatology, the system allows premature babies and unstable newborns to be transported directly from the NICU into the MR suite for examination by optimal, non-invasive Magnetic Resonance Imaging. Before, infants with intensive medical care needs, and especially babies born before the 37th week of pregnancy, were unable to undergo an MRI examination safely.

EVEN BETTER FUNCTIONALITY IN A NEW GENERATION

In this new generation, the MR Diagnostics Incubator System **nomag[®]IC ADVANCED**, LMT Medical Systems GmbH has brought functionality many steps forward. Patient access and noise protection in the MRI scanner were improved, a wider patient bed, and reduced overall weight of the incubator. Just as with previous models, the life-sustaining incubator provides the required ambient temperature and humidity level for the baby, optimizing protection during transport and the MRI examination.

INSTALLATIONS WORLDWIDE EXPERTS BY EXPERIENCE



MR DIAGNOSTICS INCUBATOR SYSTEM: ACCESSORIES



MR Diagnostics Incubator System **nomag®IC ADVANCED** in MRI

Thanks to its individual temperature and humidity regulation, elimination of general anaesthesia, and no exposure to radiation, the MR Diagnostics Incubator System **nomag®IC ADVANCED** meets the highest neonatological requirements, and is compatible with MRI systems of leading manufacturers.

IMAGE DESCRIPTIONS

- 1 **nomag®IC ADVANCED** for 1.5 / 3.0T
- 2 Neonatal head array coil 16K for 1.5 / 3.0T
- 3 Neonatal head array coil 8K for 1.5 / 3.0T
- 4 Neonatal body array coil for 1.5 / 3.0T
- 5 MR-compatible suction





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