



**SEKARGUNA MEDIKA**



**BROCHURE  
LMT**

# MR Diagnostics Incubator System nomag® IC

Product Name : MR Diagnostics Incubator System  
Merk : LMT  
Types of Products : nomag® IC  
Kemenkes RI AKL : 20902911965



## Feature

The MR Diagnostics Incubator System nomag® IC is the solution for a major, long standing unresolved problem: With the incubator system, newborns and premature babies can be examined for the first time after birth by optimal non-invasive diagnostics with magnetic resonance imaging. nomag® IC provides safe intra-hospital transport from neonatology to radiology as well as an MR-conditional

- Our standard: equipment with neonatal array coils!
- Regulates the climate according to the neonatology incubator
- Integrated neonatal head array coil

## Benefit for the user

- Improved work flow
- No preparation of the newborns and premature babies in the MR room
- More accurate diagnostics due to the high imaging quality
- Steady monitoring of the patient's stability during the scanning process
- Shorter mean imaging in the MR room
- More examinations due to the improved workflow
- Decreased examination time
- Due to shorter procedure reduced staff required
- Improved competitiveness



## Benefit for the patient

- Optimizes the thermoregulation during the MR examination
- Less sedation and no general anesthesia necessary
- Same environment as in the NICU incubator
- Minimizes the direct physical contact with the newborn
- Better auditory shielding
- Reduced infection risk
- Decreased examination time

## Benefit for the neonatology

- More accurate diagnostic due to the high imaging quality
- More exact diagnosis possible with the MRI than with sonography
- Earlier diagnostic possible due to the safe environment - even of critically ill and unstable newborns
- Due to shorter procedure reduced staff required



# MR Diagnostics Incubator System nomag® IC



## Head array

### 8-Channel

#### Head Array Coil 1.5 / 3.0T

- 8-channel Array, cylindrical, receive only coil
- High-resolution MR Imaging of the brains of newborns and premature babies with a head circumference of up to approx. 40cm
- Compatible with : Siemens (VB, VC, VD, VE), Philips (> 3.2, > 5.1.7), GE (DV 24/25/26), GE (SV 25.1). Further compatibilities are in progress
- Approved for use inside MR Diagnostics Incubator System nomag® IC ADVANCE

### 16-Channel

#### Head Array Coil 1.5 / 3.0T

- 16-channel Array, cylindrical, receive only coil
- High-resolution MR brain scans of new and premature born babies up to approx. 3 months with head circumference of approx. 42cm
- Compatible with : Siemens (VD, VE), GE (DV 26). Further compatibilities are in progress
- Perfect for scanning intubated patients
- Improved SNR and image homogeneity: 35% increased SNR compared to 8-channel Array coil (e.g. Siemens Skyra)
- Extended field of view for head and throat scans: 17% enhanced field of view compared to 8-channel Array coil
- Approved for use inside MR Diagnostics Incubator System nomag® IC ADVANCE

## Body array

### 12-Channel

#### Body Array Coil 1.5 / 3.0T

- 12-channel Array, consisting of 2 elements, can be used separately or together as appropriate, comprised of: 1. part integrated in patient's bed (8-channels) 2. part as separate coil (4-channels)
- High-resolution MR Imaging of the body of newborns and premature babies, with a weight of up to approx. 4,500g
- Compatible with : Siemens (VB, VC, VD, VE), Philips (> 3.2, > 5.1.7), GE (DV 24/25/26), GE (SV 25.1). Further compatibilities are in progress
- Approved for use inside MR Diagnostics Incubator System nomag® IC ADVANCE

## Compatible with MRI

- Siemens
- GE
- Philips

## Technical data

### Measurements (in mm)

#### Entire device

- For intra-hospital transport 2100 x 750 x 1300 (LxWxH)
- For ambulance transport 2000 x 620 x 650 (LxWxH)
- Incubator 1860 x 340 x 350 (LxWxH)
- Patient chamber 280 x 220 x 800 (WxHxD)

### Weight

- Incubator 38kg
- Trolley with power and gas supply
- For intra-hospital transport 110kg

### Power Consumption

- Incubator 475W (max.)
- Power consumption UPS 700W (max.)
- Warm-up time 20min from 21°C to 31°C without humidification
- Patients weight up to approx. 4.5kg
- Head circumference up to approx. 40cm

