

Treating compromised newborns demands the easiest to use, highest quality training solution.



SimNewB™

Introducing the first Neonatal Simulator developed collaboratively with the AAP

SimNewB is an interactive simulator, designed by Laerdal with the American Academy of Pediatrics, to meet the training requirements of the NRP course. With realistic newborn traits and lifelike clinical feedback, SimNewB is ideal for training for the specific needs of neonates.



American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™



Laerdal®
helping save lives

SimNewB™

Airway Features:

- Anatomically Accurate, Realistic Airway
- ET Tube Insertion
- LMA Insertion
- Sellick Maneuver
- Positive-Pressure Ventilation
- Right Mainstem Intubation
- Suctioning
- Variable Lung Resistance
- Gastric Tube Insertion

Breathing Features:

- Spontaneous breathing, with variable rate
- Bilateral and unilateral chest rise and fall with mechanical ventilation
- CO₂ exhalation
- Normal and abnormal breath sounds
- Oxygen saturation (Advanced Version)

Cardiac:

- Extensive ECG Library with rates from 10 – 300 bpm
- ECG monitoring via 3-lead monitor

Circulation:

- Heart Sounds
- Umbilical and Brachial Pulse
- Blood Pressure measured manually by auscultation of Korotkoff sounds

Vascular Access:

- Patent, cuttable umbilicus with venous and arterial access for bolus or infusion
- Simulated blood flashback upon cannulation

Remote Control:

- Easy-to-use remote control with icons
- Preset Patient levels on remote map to NRP Simulation Support Materials
- Can be operated wirelessly

NRP Simulation Support Materials

- Materials mapped directly to the NRP course
- Instructor support for consistent delivery of course content

Central Cyanosis Presentation

Intraosseous Access

Breathing Complications:

- Pneumothorax
 - Unilateral chest movement with mechanical ventilation
 - Unilateral breath sounds
 - Unilateral needle thoracentesis, mid-axillary

Sounds:

- Vocal: Grunt breathing, crying, hiccups and others
- Lung: Normal, stridor, pneumonia and others
- Heart: Normal, diastolic murmur, systolic murmur and others

Other Features:

- Interchangeable pupils with normal, blown and constricted pupils
- Movement in all four limbs: Limp, Tone, Spontaneous Motion and Seizure

220-00001 SimNewB Basic (US Version):

Product Includes: Manikin, NRP Simulation Support Materials, SimNewB Control Unit with Remote Control, Compressor, AirCO₂ Hose, and Directions for Use.

225-00001 SimNewB Advanced (US Version):

Product Includes: PC Enabled Manikin, NRP Simulation Support Materials, SimNewB Control Unit with Remote Control, Compressor, Laptop PC, Touch Screen Monitor, USB Web-camera, AirCO₂ Hose, Operating Software, Directions for Use, and Educational Support Course 100.

Optional Accessories:

- Congenital Anomalies Module
- AVS Video System
- Transportation Cases
- Portability Kit
- Air Regulator
- Extended Warranty
- ValuePlus Service Plan
- Installation and Setup

ADVANCED ONLY

Software Features:

- Easy-to-operate software based on well proven SimMan/SimBaby software
- Manual control over all parameters
- Scenarios, with Trends and Handlers, can be preprogrammed by the user

Debriefing Viewer:

- Web-camera recording
- Review event log together with synchronized recording of the patient monitor and in-room video
- Stand alone debrief viewer for offsite review

Simulated Patient Monitor:

- Highly configurable
- Simulate several parameters including:
 - Heart Rate - ECG - SPO₂ - NIBP - ETCO₂
- Respiratory Rate
- Multi-level alarm
- Touch Screen Operation



Contact your local Laerdal Representative for optimal SimNewB configuration or additional information



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