

SimNewB™



Laerdal Simulation Solutions

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



**Laerdal**®  
helping save lives

[www.laerdal.com](http://www.laerdal.com)

# SimNewB™

SimNewB is an interactive neonatal simulator, designed by Laerdal with the American Academy of Pediatrics to meet the training requirements of the Neonatal Resuscitation Program (NRP).

With realistic newborn traits and lifelike clinical feedback, SimNewB helps neonatal healthcare providers improve team dynamics, build confidence, and practice in a risk-free environment.

**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 associated breath sounds
- CO<sub>2</sub> Exhalation
- Pneumothorax
  - Unilateral needle thoracocentesis, mid-axillary

**Cardiac:**

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

**Circulation:**

- Umbilical and Brachial Pulse
- Blood Pressure measured automatically or manually by auscultation of Korotkoff sounds

**Central Cyanosis Presentation**

**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 map to NRP Simulation Support Materials
- Can be operated wirelessly

**Intraosseous Access**

**NRP Simulation Support Materials:**

- 11 prewritten scenarios
- Materials mapped directly to the Neonatal Resuscitation Program
- Instructor support for consistent delivery of course content

**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 offer normal, dilated and constricted sizes
- Movement in all four limbs: Limp, Tone, Spontaneous Motion and Seizure

## 220-01001 SimNewB Standard:

**SimNewB Standard Includes:** Manikin, NRP Simulation Support Materials, SimNewB Control Unit with Remote Control, Compact Compressor, BP Cuff, Set of Consumables, AirCO<sub>2</sub> Hose, Operating Software, Directions for Use, and Self-Directed SimNewB Training.

## Optional Accessories:

- 210-05250 Transportation Case for Peripherals
- 220-00150 Umbilical Cord (pkg. 4)
- 381220 Regulator Unit
- 210-08001 Advanced Video System

## ADVANCED VERSION

### Software Features:

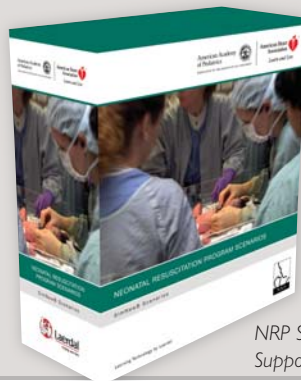
- Easy-to-operate software based on well proven SimMan/SimBaby software
- Manual control over all parameters
- Scenarios, with Trends and Handlers, can be pre-programmed by the user

### 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 - SPO<sub>2</sub>
  - NIBP - ET/CO<sub>2</sub> - Respiratory Rate
- Multi-Level Alarm
- Touch Screen Operation



NRP Simulation Support Materials

For more information, visit us at [www.laerdal.com](http://www.laerdal.com). To order call 877-LAERDAL (523-7325) or contact your local Laerdal Representative.

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