



# Improving neonatal outcomes

## SimNewB<sup>®</sup>

SimNewB is a newborn tetherless simulator developed in collaboration with the American Academy of Pediatrics to meet the specific learning objectives of the Neonatal Resuscitation Program<sup>®</sup> (NRP<sup>®</sup>).

Focusing on the first 10 minutes of life, SimNewB provides realistic training for resuscitation and stabilization techniques, allowing learners to master the necessary skills of airway management and team communication to effectively manage critical events.

## Airway

- Anatomically accurate, realistic airway
- Lung recruitment maneuver
- Oral and nasal ET tube insertion
- LMA Insertion
- Sellick maneuver
- Positive-pressure ventilation
- Right mainstem intubation
- Suctioning
- Variable lung resistance
- Gastric tube insertion

## Cardiovascular System

- Extensive ECG Library with rates from 10 - 300 bpm
- Simulated ECG monitoring via 3-lead monitor
- CPR start/stop detection

## Breathing/Respirations

- Spontaneous breathing, with variable rate
- Bilateral and unilateral chest rise and fall with mechanical ventilation
- Normal and abnormal breath sounds
- Simulated oxygen saturation
- Breathing complications
- Pneumothorax
- Unilateral chest movement with mechanical ventilation
- Unilateral breath sounds
- Unilateral needle thoracentesis, mid-axillary

## Vascular Access

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

## Other Features

- Rotating (selectable) pupils - normal, blown and constricted
- Moving limbs: limp, tone, spontaneous motion and seizure
- SimStore Scenarios to include 7th Edition NRP curricula
- 4 complimentary scenarios available on Laerdal.com

## Circulation

- Palpable umbilical pulse
- Bilateral brachial pulse
- Central cyanosis

## Sounds

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

## Patient Monitor

- Touchscreen simulated patient monitor provides concise clinical feedback for physiological parameters
- Simulated parameters for SimPad and SimPad PLUS operation: ECG, etCO<sub>2</sub>, HR, SpO<sub>2</sub>, BP, RR, and Temperature
- LLEAP operation provides additional simulated parameters including CO<sub>2</sub>, CVP, ICP, anesthetic agent, TOF, cardiac output, and more. In addition, the LLEAP monitoring options can display x-ray, custom images, and custom video

## Software Features

- Easy to operate software
- Manual control over all parameters
- Web-camera recording
- Review event log together with synchronized recording of patient monitor and in-room video

## ORDERING INFORMATION

296-00050 SimNewB (Light)  
296-00250 SimNewB (Dark)

*Includes: SimNewB Manikin, Umbilical Cords (4), Kind Removal Tape, 60ml Syringe, 1ml Syringe, Syringe Tip (5), Airway Lubricant, Birthing Lubricant, Blood Concentrate, Power Supply, Power Cords (4), IPI, Level Chart, IO Leg Sealing Tape, Drain Bag IV/IO, Lower IO Leg Left, Lower IO Leg Right, Skin Left Leg, Skin Right Leg, Meconium Aspiration Kit, Blanket, Carry Case, and Laerdal Global Warranty*

## OPERATION AND PATIENT MONITORING OPTIONS

204-30101 SimPad PLUS Only (handheld remote)  
204-50150 LLEAP for SimPad PLUS Software License  
400-10201 Laptop Instructor - Patient Monitor  
400-09201 Tablet - PC Instructor - Patient Monitor

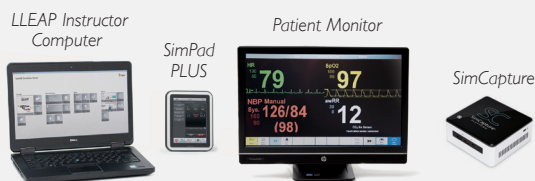
400-09501 Rugged Tablet Instructor - Patient Monitor  
400-29301 All in One Panel PC Instructor - Patient Monitor  
400-01050 LLEAP Software License

## ACCESSORIES

200-30950 SimPad Headset  
212-29650 Headset + Mic with USB (LLEAP)  
400-20050 Keyboard + Mouse USB

## Operation

SimNewB can be operated by a SimPad®/SimPad® PLUS remote or a LLEAP instructor computer and can utilize a simulated patient monitor. Incorporate SimCapture for a complete debriefing solution.



## Optimize Your Investment

Our team of educators and service technicians have years of industry related experience that can help you successfully implement and sustain your simulation program. We're here to help you get the most out of your simulation training with support when and where you need it. From comprehensive long-term packages to a full range of individual solutions you may choose from:

- ValuePlus Technical Services Packages
- Educational Pathway Education Services Packages
- On-site technical services
- eLearning courses
- Virtual courses
- On-site educational courses
- Blended learning workshops
- Help Desk phone and email support
- Self-guided how-to video library

For more information visit [Laerdal.com/SimNewB](http://Laerdal.com/SimNewB)