



**Laerdal**<sup>®</sup>  
helping save lives

American Academy  
of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN<sup>™</sup>



Exceptional training

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Improving neonatal  
outcomes

## Introducing the new 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 (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
- Oral and nasal ET tube insertion
- LMA Insertion
- Sellick maneuver
- Positive-pressure ventilation
- Right mainstem intubation
- Suctioning
- Variable lung resistance
- Gastric tube insertion

## 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

## Cardiovascular System

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

## Debriefing

- Web-camera recording (SessionViewer PC)
- Debrief event log

## Vascular Access

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

## 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

## Circulation

- Heart Sounds
- 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
- Posterior and Anterior lung sounds

## ORDERING INFORMATION

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

## 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

\*Simulator only

## ACCESSORIES

- 400-96050 Web camera  
212-29650 Headset + Mic with USB  
400-20050 Keyboard + Mouse USB

## EDUCATION SERVICES

- 296-EDGS100 Getting Started with SimNewB Simulator  
210-EDSP400 Teaching with SimPad  
210-EDLL400 Teaching with LLEAP

## TECHNICAL SERVICES

- 204-30001PP SimPad PLUS Protection Plan  
296-83050 SimNewB Simulator Install  
296-00050PMC Preventive Maintenance, Customer Site  
296-00050PMR Preventive Maintenance, Return to Bench

## Operation

SimNewB Simulator can be operated by a SimPad/ SimPad PLUS remote or a LLEAP instructor computer and can utilize a simulated patient monitor:



## 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, customer images and custom video

## Services

Laerdal offers comprehensive Educational Services to support your curriculum, and Technical Services to meet your product servicing needs. Whether you are setting up a one-room simulation site or a multi-bed simulation center; Laerdal can help.

For additional Service options please contact your local Laerdal Representative  
For more information about SimNewB, visit [www.laerdal.com/SimNewB](http://www.laerdal.com/SimNewB)