



Laerdal
helping save lives



SimNewB

Helping improving neonatal outcomes

SimNewB is a newborn tetherless simulator co-created with the American Academy of Pediatrics, designed to help improve neonatal resuscitation and to meet the specific learning objectives of neonatal resuscitation protocols.

Focusing on the first 10 minutes of life, SimNewB provides realistic training for critical interventions such as lung recruitment maneuvers and advanced airway management.

American Academy
of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN™

SimNewB

SimNewB (Light)*	296-00050
SimNewB (Dark)*	296-00250
SimPad PLUS Only (handheld remote)	204-301XX
LLEAP for SimPad PLUS Software license	204-50150
Laptop Instructor - Patient Monitor	400-102XX
Tablet - PC Instructor - Patient Monitor	400-092XX
Rugged Tablet Instructor - Patient Monitor	400-095XX
All in One Panel PC Instructor - Patient Monitor	400-293XX
LLEAP Software License	400-01050

Accessories

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

* Manikin only

Educational Services

Getting Started with SimNewB Simulator	296-EDGS100
Teaching with SimPad	210-EDSP400
Teaching with LLEAP	210-EDLL400
Teaching with Scenarios	210-LL51400

Technical Services

SimPad PLUS protection plan	204-30001PP
SimPad PLUS PP2 2 yrs add'l protection plan	204-30002PP
SimNewB Loaner Program 1-yr	296-00001LNR
SimNewB Extended Warranty 1-yr	296-00050EXW1

For other Technical Services please contact your local Laerdal Office.

Implementation Service

Implementation Service 1 day	210-86050
<i>consists of Installation and Getting Started course (for experienced customers)</i>	
Implementation Service 2 days	210-85050
<i>consists of Installation and Getting Started course (for most customers)</i>	

Airway

- Anatomically accurate, realistic airway
- Lung recruitment maneuver
- Oral and nasal ET tube insertion
- LMA insertion
- Sellick maneuver
- Bilateral and unilateral chest rise and fall with positive pressure ventilation
- Right mainstem intubation
- Suctioning
- Variable lung resistance
- Gastric tube insertion

Breathing/Respirations

- Spontaneous breathing, with variable rate and depth
- Normal and abnormal breath sounds
- Simulated oxygen saturation
- Pneumothorax
- Unilateral breath sounds
- Unilateral needle thoracentesis, mid-axillary

Cardiovascular System

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

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 seizures
- Laerdal Scenario Cloud to include 8th Edition NRP curricula

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

Debriefing

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



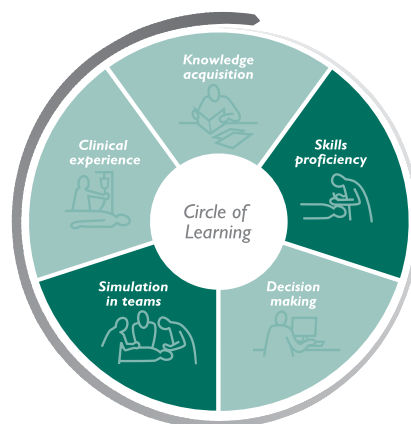
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Exceptional Training Makes all the Difference

Premature Anne[™]

Premature Anne is a realistically proportioned 25 week preterm manikin developed in collaboration with the American Academy of Pediatrics (AAP). She is designed to facilitate simulation training in teams of healthcare professionals involved in resuscitation and care of preterm infants.



Premature Anne™

Airway features

- ET tube insertion
- Right mainstem intubation
- Positive pressure ventilation
- Sellick maneuver
- NG/OG tube insertion
- Cyanosis
- Vocal sounds

Vascular access

- Umbilicus with venous and arterial access
- Internal fluid reservoir

Breathing features

- Chest rise and fall with mechanical ventilation
- Heart sounds
- Lung sounds

Pre-ported IV sites

- Right saphenous vein
- Dorsum of left hand
- Left antecubital fossa

Meeting neonatal resuscitation training requirements.

Anatomically accurate

Realistically proportioned 25 week preterm infant

Realistic airway functionality

Designed to train airway management including the placement of an ET tube

Realistic training experience

Premature Anne facilitates training of resuscitation skills for preterm infants born at the limits of viability

Supports delivery of AAP neonatal resuscitation program

The features of Premature Anne are aligned with the objectives of the NRP course curriculum.

Lightweight and portable

Premature Anne is designed to be tetherless and highly mobile for use in multiple clinical settings and in transport scenarios

Ease of use

Intuitive SimPad PLUS user interface operates the baby and easily connects to the simulated patient monitor

Catalog Number	Description
295-00050	Premature Anne Manikin Only
208-30001	SimPad PLUS Premature Anne (US)
208-30003	SimPad PLUS Premature Anne (UK)
208-30005	SimPad PLUS Premature Anne (JA)
208-30015	SimPad PLUS Premature Anne (AUS)
208-30033	SimPad PLUS Premature Anne (IE)
295-50150	Premature Anne Software License
204-30001PP	SimPad PLUS 1 year Protection Plan
204-30002PP	SimPad PLUS 2 year Protection Plan

For more information, visit www.laerdal.com

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Improving critical
care for pediatric patients

SimBaby

Practice early assessment, diagnosis, and intervention



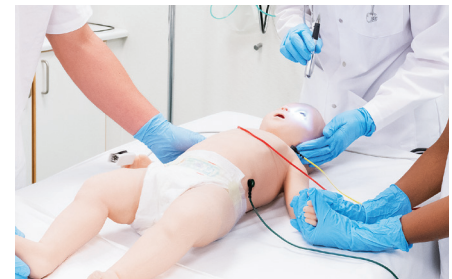
Realistic airway and intubation

Oral and nasal intubation, variable lung compliance, variable airway resistance, tongue edema, laryngospasm, pharyngeal swelling.



Quality CPR feedback

Detailed real-time feedback on compression release, depth rate, ventilation volume, number of compressions, ventilations cycles.



Assessment

Reactive eyes, blinking, fontanelle; normal or bulging, enlarged liver; cyanosis, vocal sounds, seizures.



Advanced training in all aspects of pediatric care

SimBaby is a tetherless simulator designed to help healthcare providers effectively recognize and respond to critically ill pediatric patients. The SimBaby simulator represents a 9-month-old pediatric patient and provides a highly realistic manikin that meets specific learning objectives focusing on initial assessment and treatment.

As a tetherless simulator, team training and transport can be practiced to ensure cross-functional teams avoid possible breakdowns in communication and continuity of care.



Children can have different physiological responses to trauma compared to adults. Learning how to effectively recognize and respond to respiratory emergencies, shock, and cardiopulmonary arrest can improve the healthcare provider's ability to respond more confidently in an emergency situation.

Good communication skills ensure continuity of care

We improved SimBaby so healthcare providers can practice in a safe and realistic team-centered environment preparing them to make critical decisions. Whether it be emergency, intensive care, or point-of-care training such as home care, learning to communicate effectively and respond as a team with established confidence and competence can help improve patient outcomes.



Meet your learning objectives with easy to use scenarios

Scenarios based on the American Heart Association's Pediatric Advanced Life Support curriculum help learners prepare for those critical situations mirroring real-life critical events before ever having to respond to an actual emergency.

Laerdal also offers help to develop scenarios tailored to your specific needs. Together with your clinical subject matter experts, our educational experts can develop scenarios that support standardized delivery for improved learning outcomes and clinical impact. We will also support you in implementing these scenarios in your institution.



Measure to improve resuscitation quality

For effective monitoring and review of CPR performance, QCPR Technology has been incorporated into SimBaby.

Key metrics measured include:

- Correct compression depth
- Appropriate compression rate
- Full release
- Enough hands-on time
- Adequate ventilation

Realistic anatomy ensures a learner performs correct head tilt, chin lift and experiences appropriate chest resistance and chest rise.



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