



Laerdal®
helping save lives

American Academy
of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN®



Exceptional Training Makes all the Difference

Premature Anne™

Premature Anne™ is a realistically proportioned 25-week preterm infant developed in collaboration with the American Academy of Pediatrics. Premature Anne is designed to facilitate training of healthcare professionals in proper care and resuscitation techniques for preterm infants.

Preterm infants are at greater risk and require specialized care by a highly skilled team of health professionals. Premature Anne is designed to meet the specific Neonatal Resuscitation Program® training requirements, defined by the American Academy of Pediatrics, to help ensure better patient outcomes for the tiniest of babies.

Premature Anne™

Premature Anne™ Task Trainer

- Anatomically accurate, realistic airway
- ET tube insertion
- Sellick Manoeuvre
- Positive Pressure Ventilation
- Right mainstem intubation
- Suctioning
- OG/NG tube insertion
- Bilateral and unilateral chest rise and fall with mechanical ventilation
- Unilateral chest movement (right mainstem intubation) with mechanical ventilation
- Realistic Compressions
- Patent, cuttable umbilicus with venous and arterial access for bolus or infusion
- Simulated blood flashback upon cannulation of umbilical vein
- Peripheral IV access
- Auscultation of lung sounds during ventilation

Premature Anne™ with SimPad® PLUS

- Easy to use, intuitive SimPad Plus user interface with 8 pre-programmed scenarios written by the American Academy of Pediatrics and supports the Neonatal Resuscitation Program®
- Anatomically accurate, realistic airway
- ET tube insertion
- Sellick Manoeuvre
- Positive Pressure Ventilation
- Right mainstem intubation
- Suctioning
- OG/NG tube insertion
- Bilateral and unilateral chest rise and fall with mechanical ventilation
- Cyanosis
- Unilateral chest movement with mechanical ventilation
- Realistic Compressions
- Patent, cuttable umbilicus with venous and arterial access for bolus or infusion
- Simulated blood flashback upon cannulation of umbilical vein
- Peripheral IV access
- Auscultation of lung sounds during ventilation
- Heart sounds
- Vocal sounds

ORDERING INFORMATION

290-00050 Premature Anne Task Trainer

Includes: Manikin, Hat/Blanket, Umbilical Cords (3), SimMom Birthing Lubricant, Airway Lubricant, 3M Tape, 42mm Facemask, 10ml Syringe, Umbilical Blood Concentrate IPI and User Guide.

290-00150 Premature Anne Task Trainer Twin Pack

Each Includes: Manikin, Hat/Blanket, Umbilical Cords (3), SimMom Birthing Lubricant, Airway Lubricant, 3M Tape, 42mm Facemask, 10ml Syringe, Umbilical Blood Concentrate IPI and User Guide.

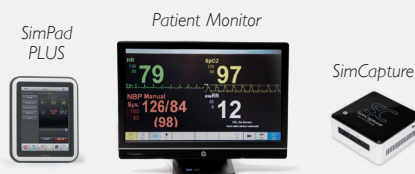
295-55101 Premature Anne with SimPad Plus

Includes: Premature Anne Manikin, SimPad PLUS, NRP Scenarios (8 pre-loaded), Premature Anne Software for SimPad Plus (pre-loaded), Hat/Blanket, Umbilical Cords (3), SimMom Birthing Lubricant, Airway Lubricant, 3M Tape, 42mm Facemask, 10ml Syringe, Umbilical Blood Concentrate IPI and User Guide.



Operation

Premature Anne manikin can be operated by a SimPad® PLUS remote and can utilize a simulated patient monitor. Incorporate SimCapture for a complete debriefing solution.



Optimize Your Investment

Laerdal offers comprehensive Educational and Technical Services designed to support healthcare professionals successfully implement and sustain simulation training programs. Our team of educators and technicians have years of industry related experience, with the ability to provide a wide range of options to help you maintain your simulation equipment and gain the critical skills necessary to optimize performance and learning outcomes.

For more information visit Laerdal.com/PrematureAnne



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Improving neonatal outcomes

SimNewB®

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®).

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, etCO2, HR, SpO2, BP, RR, and Temperature
- LLEAP operation provides additional simulated parameters including CO2, 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

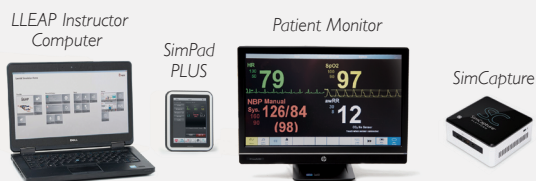
400-09501 Rugged Tablet Instructor - Patient Monitor
400-29301 All in One Panel PC Instructor - Patient Monitor
400-01050 LLEAP Software License

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



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Improving pediatric outcomes

SimJunior®

SimJunior® is an interactive pediatric simulator, designed by Laerdal with the American Academy of Pediatrics to meet the education and training needs of healthcare providers.

Used with the SimPad® System or LLEAP software, SimJunior provides learners with immediate feedback and detailed objective evaluation of performance.



Operation choices



AIRWAY FEATURES

The SimJunior airway is anatomically modeled as far as the trachea.

- Realistic airway with landmarks
- Oral and nasal intubation
- LMA or ET insertion
- Tongue edema
- NG tube (insertion only)
- Cricoid cartilage
- Head tilt & jaw thrust (no sensor)
- Left and right lungs can be either closed or open to allow ventilations

BREATHING FEATURES

- Spontaneous breathing with observable chest rise
- Variable respiratory rates
- Multiple upper airway sounds synchronized with breathing
- Detect and quantify volume of mechanical ventilations (including no ventilations)
- Bag Valve Mask capable
- Oxygen saturation and waveform
- Breathing complications
- Lungs can be closed or open to allow ventilations

CARDIAC FEATURES

- Defibrillation and cardioversion
- Pacing
- Extensive ECG library
- Multiple heart sounds synchronized with ECG
- ECG rhythm monitoring (3 leads)
- 12 lead ECG display (Optional Patient Monitor)

VASCULAR ACCESS

- IV access (right arm and hand)
- Intraosseous access (right tibia)

CIRCULATION FEATURES

- Blood pressure measured manually by auscultation of Korotkoff sounds
- Bilateral carotid and unilateral brachial and radial (left side) pulses synchronized with ECG
- Pulse strength variable with BP
- Pulse palpation detected and logged
- CPR compressions generate palpable pulses, blood pressure waveform, and ECG artifacts
- Detection and logging of a series of compressions in the data log
- Compliant with 2010 Guidelines

ADDITIONAL FEATURES

- Interchangeable pupils - normal, dilated, and constricted
- Sounds: Heart, lung, bowel, and patient voice (pre-recorded sounds and wireless microphone)

LLEAP FUNCTION

- Instructor computer with LLEAP software (sold separately)
- Control multiple manikins from one interface
- Use Manual Mode to run "on-the-fly" for total control over all parameters
- Utilize Automatic Mode with pre-programmed scenarios for a simple and standardized way to run a simulation (pre-programmed scenarios, self-authored content)
- Simulation controls; fast forward, pause, rewind, save/restore
- Profile editor
- Future prediction and patient outcome display
- Integrated video debriefing
- Time stamped activities, vital signs, and instructor comments are captured in the event log

SIMPAD® SYSTEM FUNCTION

- Handheld, intuitive touchscreen remote for easy 'pick up and play' experience
- Mobile - teach anywhere
- Operate on-the-fly or utilize scenarios and Themes for consistent simulation training
- Time stamped activities, vital signs, and instructor comments are captured in the event log
- The SimPad log files can be viewed on the device or on a PC using Session Viewer for post-simulation reflection and debriefing
- Upload self-authored scenarios and Themes, or download pre-programmed scenarios directly from SimStore

PATIENT MONITOR (OPTIONAL)

- Touchscreen simulated patient monitor provides concise clinical feedback for physiological parameters.
- The monitor's color screen is configurable and provides multiple simulated parameters, each presenting multi-level alarms.
- Simulated parameters include HR, ECG, SpO2, BP, RR, Temperature, and etCO2.
- In addition to the parameters above, LLEAP Patient Monitor provides:
 - Advanced patient parameters: ABR, ICP, TOF and many more
 - Multi-media: labs, x-ray display, 12 lead ECG, custom image display, custom video display

ORDERING INFORMATION

232-05050 SimJunior Simulator
Includes: Manikin, Blood Pressure Cuff, Set of Consumables, Carry Case, Directions for Use



200-30001 SimPad System
Includes: SimPad, Link Box, 2 AC Power Supplies, Rechargeable Lithium-ion Battery, Wrist Strap, Manikin Strap, Sleeve, USB cable, Ethernet cable, Headset/Microphone and Directions for Use

400-01050 LLEAP Software License

Instructor Computer and Patient Monitor Options

- 400-10201 Laptop Instructor - Patient Monitor
- 400-09201 Tablet - PC Instructor - Patient Monitor
- 400-09501 Rugged-Tablet Instructor - Patient Monitor
- 400-29301 All InOne Panel PC Instructor - Patient Monitor
- 400-97001 Network Switch

Optional Accessories

- 232-05350 Hard-sided Transportation Case for Manikin
- 375-70150 IV Skin/Vein Set
- 231-00101 Replacement IO Leg
- 277-00001 Pediatric Trauma Modules

Operation

SimJunior® is operated by the SimPad® System or LLEAP instructor computer and can utilize a simulated patient monitor.



SimCenter

Visit www.laerdal.com/simcenter to learn how to optimize your simulation training using SimCenter™ and SimJunior



SimStore™

Access to validated, standardized content from industry experts

SimManager™

A suite of online tools that allows you to fully optimize your entire simulation center operation

SimView™

A debriefing solution giving you the ability to study simulation events more closely

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.

Visit Laerdal.com/us/SimJunior for ordering information and a complete list of product accessories