

Infant emergencies made real!



SimBaby™

The Laerdal SimBaby offers you the ability to provide simulation education to challenge and test your learners' critical thinking and clinical decision-making skills during realistic scenarios.

The SimBaby simulator has realistic anatomy and clinical functionality, and includes software with video-debriefing capability and PDA remote control functionality.



Ordering Information:

245-05050 SimBaby Manikin

Includes: Manikin in a dedicated transportation case, BP cuff, SpO₂ probe, Operating software, Interactive product presentation and Directions for Use.

210-09001 Peripheral Kit, Complete

Includes: Simulated patient monitor, USB web camera, USB hub, PDA as remote control, Link Box and laptop.

210-09101 Peripheral Kit, Standard

Includes: Simulated patient monitor, USB web camera, USB hub, PDA as remote control, and Link Box.

Optional accessories:

210-01050	Compressor 230-240 V
210-01150	Compressor 110 V
381220	Regulator unit
381850	Portability kit
245-18050	Transportation case accessories ex. compressor
381602	Transportation case compressor
042000	Carry case for manikin only

Airway Features

- Airway opening acquired by head tilt, chin lift and jaw thrust
- Suctioning, practicing the motions of suctioning
- Oropharyngeal and nasopharyngeal airways
- Bag-Valve-Mask ventilation
- Oro-and nasotracheal intubation
- Sellick Maneuver
- LMA insertion
- Fiberoptic intubation
- Gastric tube insertion
- Variable lung compliance
- Variable airway resistance

Airway Complications

- Tongue edema
- Laryngospasm
- Pharyngeal swelling
- Right mainstem intubation
- Gastric distention

Breathing Features

- Spontaneous breathing with variable rate, depth and regularity
- Bilateral and unilateral chest rise and fall
- CO₂ exhalation
- Normal and abnormal breath sounds – bilateral
- Oxygen saturation

Breathing Complications

- See-saw respiration
- Retractions
- Pneumothorax
 - Unilateral chest movement
 - Unilateral breath sounds
 - Unilateral needle thoracocentesis mid-clavicular
 - Unilateral chest tube insertion

Cardiac

- Extensive ECG library with rate from 20-360
- CPR compressions generate palpable pulses, blood pressure waveform, and generates artifacts on ECG

Circulation Features

- Blood pressure (BP) measured manually by auscultation of Korotkoff sounds
- Radial, brachial and femoral pulses synchronized with ECG
- Pulse strength variable with BP
- Heart sounds
- Reading of cardiac rhythms via 4-connector 3-lead ECG monitoring
- 12-lead dynamic ECG display
- Defibrillation and cardioversion

Vascular Access

- Venous access antecubital fossae, dorsum of the hand and long saphenous vein
- Intraosseous insertion – bilateral
- IV bolus and infusion
- Simulated blood flashback upon venous cannulation

Sounds

Vocal: Crying, coughing, hiccup and other
Lung: Normal, crackles, stridor, wheezes and other
Heart: Normal, diastolic murmur, systolic murmur and other

Software Features

- Easy to operate software based on well proven SimMan® software concept
- Manual control over all parameters
- Scenario, including Trend and Handlers, preprogrammed by user

Debriefing Viewer

- Web-camera recording
- Review event log together with synchronized recording of patient monitor and in-room video

- Stand alone debrief viewer for off-site review

Simulated Patient Monitor

- Highly configurable
- Simulate several parameters including ECG (2 traces), SpO₂, CO₂, ABP, CVP, PAP, PCWP, NIBP, TOF, Cardiac output and other
- Viewable X-rays and snapshot of 12-lead ECG
- Touch screen operation
- Multi-level alarm

Remote Control

- PDA as remote communicates through software via Bluetooth
- Easy-to-use software similar to PC user interface

Other Features

- Interchangeable eyes with normal, constricted and blown (dilated) pupils
- Distendable fontanel
- Torso motion

Optional Accessories

Laptop Specification

Recommended Processor:
 Pentium M, min 1.8 GHz or Pentium 4, 2.6 GHz
 HDD: 60 GB min.
 RAM: 512 MB min.
 System: Win XP Pro
 Screen: VGA output, min. 1280 x 1024
 Mouse: Mouse with 2 buttons and 1 clickable wheel
 Other: CD-RW, RS---232 (serial port), 2-4 USB ports
 Microphone input, Headphone output
 Internal Bluetooth
 Built-in Ethernet LAN
 Built-in Wireless Network 802.11 b/g

For more information, please visit www.laerdal.com

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