



Laerdal®
helping save lives



Improving critical care for pediatric patients

Introducing the New SimBaby™

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 allows learners to practice early assessment, diagnosis and treatment to help improve pediatric patient outcomes.

Normal & Difficult Airway

- Airway opening acquired by head tilt, chin lift and jaw thrust
- Oropharyngeal and nasopharyngeal airways
- Bag-Valve-Mask ventilation
- Orotracheal and nasotracheal intubation
- Sellick Maneuver
- LMA insertion
- Endotracheal tube insertion
- Fiberoptic intubation
- Gastric tube insertion
- Variable lung compliance
- Variable airway resistance
- Tongue edema
- Laryngospasm
- Pharyngeal swelling
- Decreased lung compliance
- Right mainstem intubation
- Gastric distention

Pulmonary System

- Spontaneous breathing with variable rate, depth and regularity
- Bilateral and unilateral chest rise and fall
- Normal and abnormal breath sounds
 - bilateral, anterior and posterior
- Lung Sounds: Normal, fine crackles, stridor, wheezes and rhonchi

- Oxygen saturation
- See-saw respiration
- Retractions
- Pneumothorax
- Unilateral breath sounds
- Unilateral needle thoracocentesis midclavicular
- Unilateral chest tube insertion

Cardiovascular System

- Extensive ECG library with rate from 20-360
- CPR compressions generate palpable pulses, blood pressure waveform, and generate artifacts on ECG
- Heart Sounds: Normal, systolic murmur, holosystolic murmur, diastolic murmur, continuous murmur and gallop
- Blood pressure (BP) simulated on patient monitor
- Pulses: Bilateral femoral and brachial
- Pulse strength variable with BP
- Display of cardiac rhythms via 3-lead ECG monitoring
- 12-lead dynamic ECG display
- Defibrillation and cardioversion using live shock with training pads - ShockLink

Vascular Access

- Venous access antecubital fossae, dorsum of the hand and long saphenous vein
- Bilateral IO/IV insertion legs
- IV bolus and infusion

Other Features

- Reactive/blinking eyes: Normal, constricted and blown (dilated) pupils
- Normal, constricted and blown (dilated) pupils
- Capillary refill - Left hand and sternum
- Fontanelle can present as normal, or bulging
- Arm motion
- Vocal Sounds: Crying, content, coughing, and hiccup
- Liver palpation

Software Features

- Easy to operate software
- Manual control over all parameters
- Scenarios, including Trends and Handlers, can be pre-programmed by user or downloaded on SimStore
- Web-camera recording
- Review event log together with synchronized recording of patient monitor and in-room video

ORDERING INFORMATION

246-00050	SimBaby (light) - Manikin Only
246-00150	SimBaby (medium) - Manikin Only
246-00250	SimBaby (dark) - Manikin Only

EDUCATIONAL SERVICES:

246-EDGS100	Getting Started with SimBaby Simulator
210-EDSP400	Teaching with SimPad
210-EDLL400	Teaching with LLEAP

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

TECHNICAL SERVICES:

204-30001PP	SimPad PLUS Protection Plan
246-83050	SimBaby Simulator Install
246-00050PMC	Preventive Maintenance, Customer Site
246-00050PMR	Preventive Maintenance, Return to Bench

Operation

SimBaby 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, 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, 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 SimBaby, visit www.laerdal.com/SimBaby