



# 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 meets specific learning objectives focusing on initial assessment and treatment.



# SimBaby

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

- 246-EDGS100 Getting Started with SimBaby
- 246-83050 Installation SimBaby
- 246-00001LNR Loaner Program 1 yr
- 246-00050EXW1 Extended Warranty 1 yr
- 246-00050PMC Preventative Maintenance - Customer Site
- 246-00050PMR Preventative Maintenance - Return to Bench

## 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 thoracentesis 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
- Live defibrillation, pacing, and cardioversion

## 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

- Normal, constricted and blown (dilated) pupils
- Fontanelle can present as normal, or bulging
- Arm motion
- Vocal Sounds: Crying, content, coughing, and hiccup
- Liver palpation

## Simulated Patient Monitor

- Highly configurable patient monitor
- Simulate several parameters including: ECG, SpO<sub>2</sub>, CO<sub>2</sub>, ABP, CVP, PAP, NIBP, TOF, and others
- Multimedia capability: Radiology files, Media files, Lab results
- Touchscreen operation
- Multi-level alarm

## 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



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For more information, visit [www.laerdal.com](http://www.laerdal.com)