

Simulation for advanced life support programs



ALS Simulator

The simulator for advanced life support training programs

The Advanced Life Support Simulator is a realistic interactive training manikin or simulating a wide range of advanced lifesaving skills in medical emergencies. The simulator responds to clinical intervention, instructor control, and comprehensive pre-programmed scenarios for effective practice of diagnosis and treatment of a patient. With spontaneous respirations, airway control, voice, sounds, ECG, and many other clinical features, the ALS Simulator is the fully functional emergency care simulator.

- **Educationally effective** for teaching advanced lifesaving skills, communication, and teamwork through simulation
- Efficiently **targets key skills** of emergency care providers
- **Mobile** for use in field, transport and hospital trainings
- **Cost effective** for incorporating patient simulation into training program
- **Preprogrammed scenarios** provide standardized training, while customizable scenarios and real-time instructor control allows the flexibility to meet individual student needs



ALS Simulator Product Features

Manikin and Airway Features

Interchangeable pupils
(normal, blown and constricted)

Endotracheal intubation

Nasotracheal intubation

Digital intubation

Oropharyngeal and Nasopharyngeal
airway insertion

Bag-Valve-Mask ventilation

Retrograde and Lightwand intubation

Laryngeal Mask Airway insertion

Combitube insertion

Trans-Tracheal Jet ventilation

Surgical and needle cricothyrotomy

Suctioning techniques

Obstructed airway

Pneumothorax decompression and
chest tube insertion

Tongue Edema

Stomach auscultation to verify positioning

Head Tilt / Chin Lift

Modified Jaw Thrust

Spontaneous chest rise and fall

Circulatory Skills and IV Drug Administration

Articulating IV Arm with replaceable skin
and infusible vein system allows peripheral
intravenous therapy and site care

Subcutaneous and intramuscular injection sites

Cardiac Related- VitalSim

1400+ cardiac rhythm variations

Manual chest compressions

Programmable waiting rhythms

Programmable scenario base algorithms for
instructor control

3- or 4- lead ECG, pacing and defibrillation using
standard clinical equipment

Pacing with programmable threshold
for capture

Blood Pressure / Pulses - VitalSim™

Articulating blood pressure arm for auscultated
and palpated blood pressure simulation

Korotkoff sounds

Systolic and diastolic pressure may be set
individually

Auscultatory gap

Bilateral carotid pulses and brachial and radial
pulses in the BP arm

- Pulses synchronized with programmable ECG
- Pulse strengths dependent on BP

Sounds - VitalSim™

Heart sounds synchronized with
programmable ECG

Lung sounds synchronized with breathing rate

Individual lung or bilateral sound selection

Normal and abnormal bowel sounds

Pre-recorded and live feed voice sounds

Logging / Scenario Function

Sensored Events Include:

- Airway opened via Head Tilt / Chin Lift
or Modified Jaw Thrust
- Pulse check
- Ventilations Started / Stopped
- Compressions Started / Stopped
- Defibrillation
- Pacing

Customizable events for logging specialized
learning objectives

PC scenario editor for creating and editing
user defined and pre-programmed scenarios

Student logs can be stored and downloaded
for post training review and debriefing

Computer Specs

Must operate on Windows 2000 or higher

Optional Accessories

381500	Trauma Modules
375-81001	Arterial Stick Arm
381655	Hard Carry Cases
381450	Nursing Wound Modules
276-15001	NBC Module
276-16001	Small Pox Modules
210-00550	Forced Air Bleeding Control System
1005112S	Genitalia Kit—Male and Female

205-05050 ALS Simulator

200-100XX VitalSim™ Control Unit*

*Denotes Language version

ALS Simulator Includes:

Adult, Full-body Simulator; Interchangeable Pupil Set, (6) Neck Skin Collars, 1 Roll Cricothyroid Membrane Tape, Set of Replacement Pneumothorax Bladders, (6) Chest Drain Modules, Air Pump, Set of Defibrillation Posts, Jacket, Pants, Directions for Use, Software CD, Learning Materials and Manikin Lubricant.



For more product information, please visit www.laerdal.com

USA and Latin America:

Laerdal Texas
P.O. Box 38-226 FM 116
Gatesville, Texas 76528
(888) 297-7772 or
(254) 865-7221
FAX (800) 865-8011
www.laerdal.com

Laerdal Medical Corporation
167 Myers Corners Road
Wappingers Falls, NY 12590
(800) 431-1055 or
(845) 297-7770
FAX (800) 227-1143
www.laerdal.com

Canada:

Laerdal Medical Canada Ltd.
151 Nashdene Rd., Unit #45
Toronto, ON M1V 4C3, Canada
(416) 298-9600 (888) LAERDAL
FAX (416)-298-8016
savelives@laerdal.ca



Laerdal®
helping save lives