



Laerdal[®]
helping save lives



INGMAR MEDICAL
Respiratory Simulation Specialists



ASL 5000™ Lung Solution

Helping you teach ventilation management
– from basic to advanced

ASL 5000 Lung Solution is a breathing simulator intended for high-fidelity ventilation management training in respiratory care, critical care, pulmonology, anesthesia, and emergency medicine. It simulates any respiratory condition you may encounter, on any ventilator in any mode of ventilation.

This solution enables you to integrate advanced ventilation management training with Laerdal's SimMan[®] and SimBaby[™] simulators, all controlled with the LLEAP software. The ASL 5000 can also be used as a task trainer for ventilator operation, waveform analysis, and equipment onboarding.

ASL 5000 Lung Adapter and Solution

Specifications:

- The ASL 5000™ Lung Solution developed in collaboration with IngMar Medical, allows you to integrate the world's most realistic breathing simulator, the ASL 5000™, with SimMan® and SimBaby™. Use your SimMan or SimBaby to conduct basic to advanced ventilation management training in anesthesia, critical care, emergency medicine, pulmonology, and respiratory care.
- Ventilator-grade spontaneous breathing (passive to 100 bpm) with Muscle Pressure:
 - SimMan: 0 to -100 cmH₂O
 - SimBaby: 0 to -30 cmH₂O
- Compliance
 - SimMan: 0.5 to 250 mL/cmH₂O
 - SimBaby: 0.5 to 15 mL/cmH₂O
- Resistance
 - SimMan: 8 to 150 cmH₂O/L/s
 - SimBaby: 23 to 250 cmH₂O/L/s
- Tidal Volume 2.5 L
- Connect to any ventilator – just as you would a real patient
- Use with any mode of ventilation including Pressure/Volume Control, Pressure Support, Jet, BiPAP and CPAP
- Ventilation, APRV, PAV, HFOV, NIV, SIMV
- Holds PEEP from 0 to > 20 cmH₂O
- Easily activate pre-programmed respiratory conditions with variable levels of severity including Normal, Asthma, ARDS, Interstitial Lung Disease (ILD), COPD, respiratory syncytial virus (RSV), and broncho-pulmonary dysplasia (BPD)
- Lung parameters can be changed during scenario remotely, which have an immediate impact on the ventilator
- Set independent inspiratory and expiratory resistances
- Fully integrated with LLEAP interface (version 6.3 or higher for SimMan and version 6.7 or higher for SimBaby) to provide learners with additional patient information such as blood pressure, heart rate, SpO₂, etCO₂, respiratory rate, lung sounds and more
- Simulate scenarios with a spontaneously breathing patient supported on a ventilator: View ASL 5000-created patient-ventilator interactions
- Adjustable (I:E) ratio. Inspiratory Time from 0 to 20 seconds and Expiratory Time from 0 to 20 seconds
- Real-time display of patient and ventilator provided respiratory waveforms and graphics
- Create and save an unlimited number of user-defined respiratory conditions including pneumothorax, bronchospasm, pneumonia, cough, cystic fibrosis, flash pulmonary edema, and more.
- Simulate scenarios where patient conditions change over time

Ordering Information

420-11955 ASL Lung Solution

Includes ASL 5000 Breathing Simulator, LLEAP Software Plug-in, ASL 5000 Lung Adapter and tubing.

420-11950 ASL 5000 Lung Adapter

Includes physical adapter between ASL 5000 Breathing Simulator and Compatible SimMan and tubing, LLEAP Software Plug-in (Serial Number needed).

Technical Services

420-89050 ASL 5000 Lung Solution Installation

420-88050 ASL 5000 Lung Adapter Installation

Educational Services

IngMar ASL 5000 Webinar (Up to 8 People)

To help you quickly master the power of the ASL 5000 Lung Solution or to refresh your skills, we offer Live Distance Training tailored to your needs. The interactive, online training is conducted via a 2 hour Zoom session by one of IngMar Medical's Clinical Educators.

420-EDVT025SM SimMan Virtual Training

420-EDVT025SB SimBaby Virtual Training

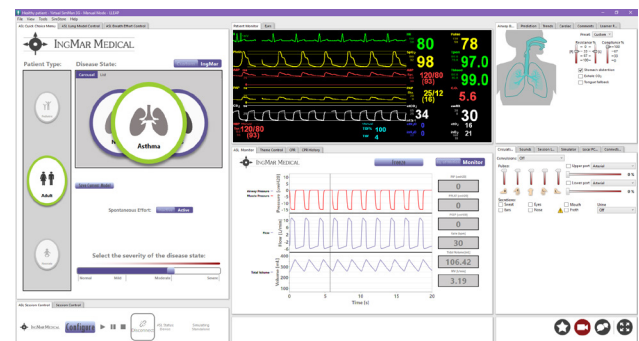
ASL 5000 Lung Solution Customer Site Training (Up to 8 People)

Customer-site training is conducted by IngMar Medical's Clinical Educators at your facility. This training option allows for hands-on, interactive instruction on the ASL 5000 Lung Solution, and it is tailored to the unique needs of the customer. Each session is one full day. This session is approved by the American Association of Respiratory Care (AARC) for 7 continuing education credits

420-EDLL100SM SimMan Customer-site Training

420-EDLL100SB SimBaby Customer-site Training

Compatible with SimMan® 3G, SimMan® 3G Trauma, SimMan® Essential, SimMan® Essential Bleeding and SimBaby™.



The IngMar software plug-in seamlessly integrates into LLEAP, the Laerdal Learning Application, enhancing the familiar software with real-time ventilation waveforms. Manage the ASL 5000 with SimMan or SimBaby at the same time from one screen.



Collaborating to help improve patient outcomes

The ASL 5000 Lung Solution and ASL 5000 Lung Adapter were developed in collaboration with IngMar Medical, the global leader in respiratory simulation.

For more information, visit
laerdal.com/ASL5000LungSolution