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 can simulate 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® 3G, SimMan® ALS, SimMan® Essential / Essential Bleeding, SimMan® 3G Trauma, Nursing Anne Simulator, and SimBaby™, all controlled with the LLEAP software. ASL 5000 can also be used as a task trainer for ventilator operation, waveform analysis, and equipment onboarding.

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Specifications:

- The ASL 5000™ Lung Solution developed in collaboration with Laerdal, allows you to integrate the world's most realistic breathing simulator, the ASL 5000, with SimMan® Family, Nursing Anne Simulator, and SimBaby™. Use any of these products 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/Nursing Anne Simulator: 0 to -100 cmH$_2$O
  - SimBaby: 0 to -30 cmH$_2$O

- Compliance
  - SimMan/Nursing Anne Simulator: 0.5 to 250 mL/cmH$_2$O
  - SimBaby: 0.5 to 15 mL/cmH$_2$O

- Resistance
  - SimMan/Nursing Anne Simulator: 8 to 150 cmH$_2$O/L/s
  - SimBaby: 23 to 250 cmH$_2$O/L/s

- Tidal Volume 2.5 L

- Bi-lateral and uni-lateral chest rise synchronized with breath rate and depth of respiration – SimMan and SimBaby

- Bi-lateral chest rise synchronized with breath rate - Nursing Anne Simulator

- Connect to any ventilator – just as you would a real patient

- Use with any mode of ventilation including Pressure/Volume Control, Pressure Support, Jet Ventilation, APRV, PAV, HFOV, NIV, SIMV

- Holds PEEP from 0 to > 20 cmH$_2$O

- 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 and version 7.0.1 for Nursing Anne Simulator) to provide learners with additional patient information such as blood pressure, heart rate, SpO$_2$, etCO$_2$, 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 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. View a larger scope of training applications

- Simulate scenarios where patient conditions change over time

Ordering Information

420-11955 ASL 5000 Lung Solution
Includes ASL 5000 Breathing Simulator, LLEAP Software Plug-in, ASL 5000 Lung Adapter and connecting tubing

420-11950 ASL 5000 Lung Adapter
Includes physical adapter between ASL 5000 Breathing Simulator and compatible SimMan connecting tubing

420-11980 ASL 5000 Nursing Anne Simulator Tube
Includes connecting tubing between ASL 5000 Breathing Simulator and compatible Nursing Anne Simulator

420-11970 ASL 5000 SimBaby Tube
Includes connecting tubing between ASL 5000 Breathing Simulator and compatible SimBaby Simulator

Technical Support Services

420-89050 ASL 5000 Lung Solution Installation

420-88050 ASL 5000 Lung Adapter Installation

Educational Support Services

IngMar ASL 5000 Webinar (Up to 8 People)
420-EDVT025SM ASL 5000 SimMan Virtual Training
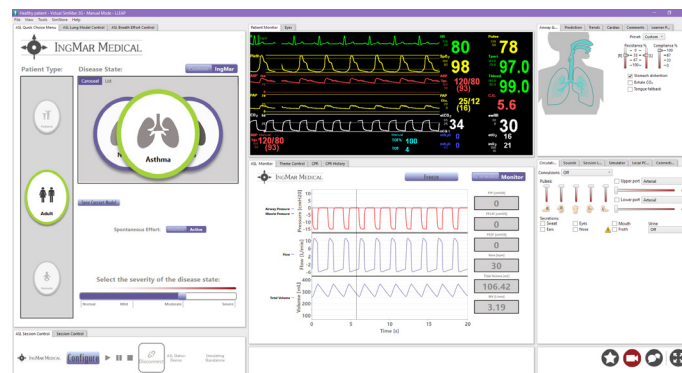420-EDVT025SB ASL 5000 SimBaby Virtual Training
420-EDVT025NAS ASL 5000 Nursing Anne Simulator Virtual Training

ASL 5000 Lung Solution Customer Site Training (Up to 8 People)
420-EDLL100SM SimMan Customer-site Training
420-EDLL100SB SimBaby Customer-site Training
420-EDLL100NAS Nursing Anne Simulator Customer-site Training

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 Family, Nursing Anne Simulator, or SimBaby at the same time from one screen.

Survival Technology

Your Link in the Chain of Survival

www.survivaltechnology.com

6 Susan Street, Strydom Park Randburg

info@survivaltechnology.com
Tel: +27 11 792 2190
Fax: +27 11 793 4234

PO Box 416, Ferndale, 2160