**Lecat’s Ventriloscope**

**Standard Package** Part No: LV001  
**Educator’s Package** Part No: LV010

The Ventriloscope has been developed by Dr. Paul Lecat to transmit normal or abnormal sounds from lung, heart, bowel, BP, Doppler, etc. to a realistic stethoscope receiver. It can be used in hybrid simulation or with manikins.

**Skills**
- Distinguish normal and abnormal sounds  
- Placement and use of the stethoscope  
- Assess proper use of diaphragm and bell of stethoscope for appropriate sounds  
- Integrate findings with history gathered from a live patient  
- Learn to document auscultatory findings accurately

**Features**
- Simple to operate  
- Completely integrates history taking with physical exam, including abnormalities  
- Place any sound, anywhere on a live patient or manikin  
- Use any MP3 recording (create your own and load it onto an SD memory card)  
- Can be used on any manikin  
- Transmitter is easily concealed in the hand or pocket and receiver is incorporated into cardiology style stethoscope  
- Uses wireless transmission: operates on a reserved frequency to ensure a secure signal with no interference  
- Visit the product page on our website for more features

**Package supplied**
- Visit the product page on our website for a full listing

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**3M Littmann® Listen-In Auscultation Teaching System**

**Part No: 3MLTM-01**

The Teaching System facilitates auscultation training for up to five clinicians simultaneously. It uses a dedicated Android device, with Listen-In software installed, to link the five pre-paired Littmann Model 3200 stethoscopes. At any one time, one stethoscope can act as the Presenting stethoscope while the others act as Listening stethoscopes. Digital capture ensures perfect sound reproduction and a Bluetooth® connection ensures set-up is quick and easy. The System is ideal for use by teaching physicians and students in the following specialties: Cardiology, Paediatrics, Respiratory, A&E, ITU, Internal, and General Medicine.

**Features**
- Utilises a standard Littmann Model 3200 electronic stethoscope which can be used for regular patient assessments (with a built-in recording facility and supplied analysis software)  
- Reduce the length of, and increase the efficiency of, teaching sessions and ward rounds  
- Improve the confidence of both educator and trainee, as there is certainty of the sounds that are being observed  
- The Presenting stethoscope can be easily switched to a Listening stethoscope, enabling the teacher to listen to the student  
- The Presenting stethoscope controls the filter (Bell, Diaphragm, and Extended Range) on all stethoscopes, whilst each stethoscope has independent control of its own volume

**Package supplied**
- 5 Littmann model 3200 electronic stethoscopes (each with StethAssist™ software)  
- 1 Android phone/device with Listen-In software

**Carry Case** Part No: 3MLTM-02 can be purchased separately

**SD memory cards with additional sounds are available. Visit our website for more information**

Note: this product is not available in Australia & New Zealand
Lung Sound Auscultation Trainer

Part No: KKM81-S

A dedicated lung sound auscultation trainer allowing the trainee to learn to distinguish and identify different lung sounds, and to diagnose their associated conditions.

Skills

- Use and placement of a stethoscope
- Identification of sounds and their variations
- Relationship between sounds and auscultation sites
- Ability to describe sounds clearly to others

Features

- Cases are recorded from real patients
- 15 lung auscultation sites (7 anterior and 8 posterior) are used
- Sites are fully synchronised for all cases
- 35 programmed cases (33 of which can be heard with or without heart sounds)
- Torso rotates on the base allowing lifelike examination of front and back
- Lung sounds structure follows American Thoracic Society classification
- Detailed explanation of lung sounds provided and synchronises with the case being listened to. These include a description of the sound to aid identification, an explanation of how and why the sound is generated, and a listing of possible conditions. These are enhanced with illustrations, chest radiographs and CT images
- External speakers can be used for group study, problem based learning and discussions
- Sound waves can be displayed graphically to aid understanding and improve retention
- Respiration rate can be varied
- Each of the 15 speakers, which are built into the chest wall, has a separate computer based volume control
- Suitable for assessing trainees’ skills

Package supplied

- 1 LSAT Trainer
- 1 PC
- 1 amplifier
- 2 speakers

Due to a policy of continuing product development and software upgrade, the specifications and features of the current model may vary from those shown in this catalogue.

Packed weight (kg) & dimensions (mm)  Multiple boxes & weights

Visit our website for more information

Find the product by typing the Part No into the search box

Middle left lung field
Cardiology Patient Simulator ‘K’

Part No: KKM84-S

A simulated cardiology patient on which a comprehensive clinical examination can be performed (auscultation, abdominal, cardiac and vascular observation, and electro cardiographs).

Skills
- Detailed cardiology clinical examination
- **Auscultation**: heart sounds at 5 sites; appropriate breath sounds
- **Inspection**: jugular venous waves on both sides of the neck; abdominal respiratory movement
- **Palpation**: cardiac impulses: right ventricle, left ventricle, and dilated left ventricle; arteries at 8 sites; abdominal respiratory movement
- **Electrocardiograph** (ECG) monitoring

Features
- **Auscultation**: heart sounds can be heard at the four primary auscultation sites (aortic, pulmonic, tricuspid and mitral); auscultation of the 1st sound (S1) and the 2nd sound (S2) can both be done with electrocardiogram monitoring; relevant tracheal and bronchial breath sounds are simulated
- **Jugular veins**: pulsation of jugular venous waves can be observed on both sides of the neck; timing and strength of ‘a’ waves and ‘v’ waves can be differentiated
- **Palpation**: carotid, medial, radial and femoral arteries can be palpated at eight sites on both sides; variations of arterial pulse waves in different cardiac conditions or arrhythmias can be detected; cardiac impulses can be identified at the right ventricle, left ventricle, and dilated left ventricle
- **Monitoring**: electrocardiogram (ECG), Jugular Venous Pulse (JVP); Carotid Arterial Pulse (CAP) and Apexcardiogram (ACG) can all be monitored; full explanations for self-directed learning are available; phonocardiograms are available to assist in learning heart; sounds and murmurs
- Visit the product page on our website for more features

Package supplied
- 1 Cardiology Patient Simulator K
- 1 controller/PC table
- 1 PC
- 1 rib sheet
- 5 replacement pulse tubes
- 1 LSAT Trainer
- 1 text book
- 1 amplifier
- 2 speakers

‘K’ Plus Training System

Part No: KKM8481-S

Auscultation is one of the most important skills in physical examination. The ‘K’ Plus Training System is a combination of the Mr ‘K’ and Mr Lung auscultation trainers. This gives the full functionality of the independent systems whilst sharing core components to reduce the cost for the skills centre.

Skills and Features
- Lung Sound Auscultation Trainer (Page 15)
- Cardiology Patient Simulator ‘K’ (Page 16)

Package supplied
- 1 Cardiology Patient Simulator K
- 1 controller/PC table
- 1 PC
- 1 rib sheet
- 5 replacement pulse tubes
- 1 LSAT Trainer
- 1 text book
- 1 amplifier
- 2 speakers

Due to a policy of continuing product development and software upgrade, the specifications and features of the current model may vary from those shown in this catalogue.

Packaged weight (kg) & dimensions (mm)

Multiple boxes & weights

Visit our website for more information

Find the product by typing the Part No into the search box.
Blood Pressure Measurement Trainer

Part No: KKMW7

The Trainer teaches the student how to measure a patient’s blood pressure. The controller unit can reproduce a range of blood pressure examples (based on the WHO classification) which, with a random play function, helps repeated trials in self-learning and group study. The Trainer can also be used for objective skills assessment of trainees.

Skills
- Cuff placement
- Manual pressurisation
- Auscultation of Korotkoff sounds
- Palpation of radial pulses
- Blood pressure reading
- Depressurisation

Features
- A range of blood pressure examples are provided: desirable, normal, prehypertension, hypertension (Stage 1-3), isolated systolic hypertension, auscultatory gap, no Korotkoff sounds
- Decompression rate and blood pressure are shown digitally
- Can be connected to external speakers (not included) to share the Korotkoff sounds with trainees
- User/Normal Mode: has presets suitable for introducing the procedures to trainees and for skills assessments
- Random Mode: for self-learning and group learning. Replays the preset cases randomly

Package supplied
- 1 Arm model
- 1 Controller with AC adaptor
- 1 Aneroid sphygmomanometer unit
- 1 Instruction manual
- 1 Carry bag

Pitting Oedema Trainer

Part No: KKMW1

The Trainer consists of five pitting oedema models (one normal and four variations) used for training students in the recognition, examination and classification of leg oedema. The models can be worn by a simulated patient (SP) or on a training manikin.

Skills
- Identification of different resistances and depths of pitting oedemas

Features
- Five variations of pitting oedema:
  - normal (no indentations)
  - light (indentations approx 2mm deep)
  - moderate (indentations approx 4mm deep)
  - deep (indentations approx 6mm deep)
  - very deep (indentations approx 8mm deep)
- With the fibula plate inserted the models can be used on a work surface (away from an SP or manikin)

Package supplied
- 5 variations of pitting oedema models

<table>
<thead>
<tr>
<th>Packed weight (kg) &amp; dimensions (mm)</th>
<th>1</th>
<th>260</th>
<th>120</th>
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Product details correct at time of going to press. Subject to change.