

**MW28 - Lung Sound Auscultation  
Trainer "LSAT" ver.2**  
Order code: **4103.MW28**



Information about product price on demand

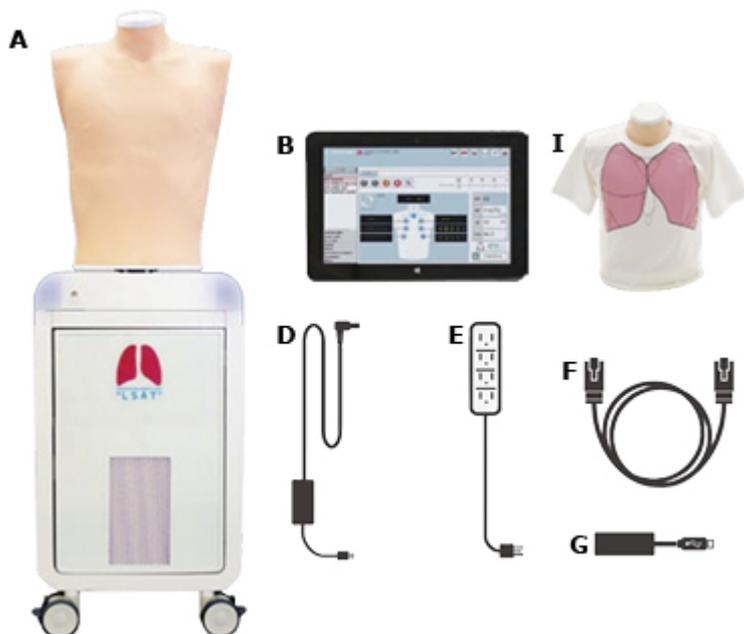
Parameters

Clinical skills - filter

Quantitative unit

Auscultation

ks



**Set includes:**

- A: 1 torso manikin
- B: 1 control PC
- C: 1 PC (built-in the unit)
- D: 1 AC adapter
- E: 1 power strip
- F: 1 LAN cable
- G: 1 LAN adapter
- H: 1 external speaker (built-in the unit)
- I: 1 lung T-shirt

**New features:**

- Remote & Wireless Control
- Breathing Indicator LED
- Playlist Maker
- Multiple Operation
- Error Indication System
- Only one connection

**Wireless multi-unit operation**

- Up to five Simulator "LSAT" can be controlled by one wireless control PC
- Each simulator can be individually set with a different case
- Cases can be switched promptly by clicking at anytime during session

**Anterior and posterior auscultation at the same time**

Examination could be done by two or more people simultaneously.

**Indication of inspiration and expiration with the LED light panel**

Confirm the rhythm of breathing while listening to the sound during examination.

**Create a custom playlist**

Choose from 36 sound cases available. Create a custom playlist to suite your learning program.

**Error Indication System**

Machine will automatically check for error during start-up.

**Auscultation sites**

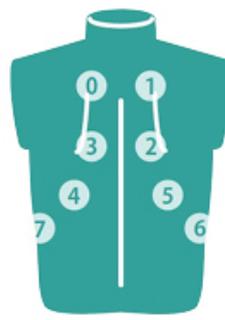
## Anterior

1. trachea
2. upper right lung field
3. upper left lung field
4. middle left lung field
5. middle right lung field
6. lower right lung field
7. lower left lung field



## Posterior

0. upper left lung field
1. upper right lung field
2. middle right lung field
3. middle left lung field
4. lower left lung field
5. lower right lung field
6. right costphrenic angle
7. left costphrenic angle



## Case information

Images of plain X-ray, CT and bronchoscopy may be available in each case.

## Cases

### Normal

- A01 standard
- A03 mildly strong sounds
- A05 mildly rapid
- A07 loud heart sounds

### Abnormal

- B01 weak: left lower area
- B03 weak: left whole area(adhesion)
- B05 weak: left whole area(pneumothorax)
- B07 absent:right middle and lower areas
- B09 weak: right whole area
- B11 absent: right whole area
- B13 weak: whole area
- B15 bronchial breathing

### Coarse Crackles

- C01 right lower area
- C03 both lower area
- C05 right middle area
- C07 left lower area
- C09 both upper area
- C11 whole area

### Fine Crackles

- D01 both lower area
- D03 both middle lower area
- D05 whole area(IPF)
- D07 whole area(NSIP)

### Wheezes

- E01 upper area 600-700 Hz

- E03 upper area 350-450 Hz
- E05 upper area 200-1000 Hz

### **Rhonchi**

- F01 trachea and upper area 150-250Hz
- F03 trachea and upper area 150-450Hz (polyphonic)
- F05 trachea and upper area 80-120Hz
- F07 whole area 80-200Hz

### **Miscellaneous continuous sounds**

- G01 stridors
- G03 squawks

### **Miscellaneous**

- H01 pleural friction rubs: right lower area
- H03 pleural friction rubs: left lower area
- H07 Hamman's sign
- H09 Vocal fremitus