



ELEVATE YOUR AUSCULTATION CLASSES

## **PAT4 – PEDIATRIC AUSCULTATION TRAINER**

Experience the future of interactive auscultation training with the new PAT4 Pediatric Auscultation Trainer. Compatible with both Android and iOS smartphones, PAT4 transforms your auscultation classes into an interactive way of learning.

Use your own smartphone to easily connect to the manikin via Bluetooth and gain access to an extensive library of sounds. If you are a student or an educator, PAT4 provides all the tools you need for engaging auscultation education and hands-on training.

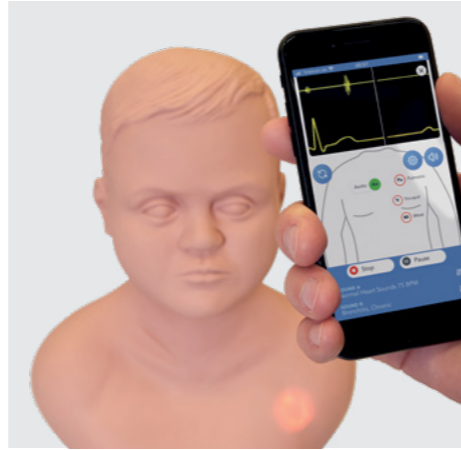
## NEW FEATURES



**LED LIGHTS**  
Optional in all auscultation points to help students



**360° ROTATING BASE**  
Facilitates demonstration and examination for multiple users



**BLUETOOTH CONTROL**  
Use your smartphone or tablet\* to control the manikin

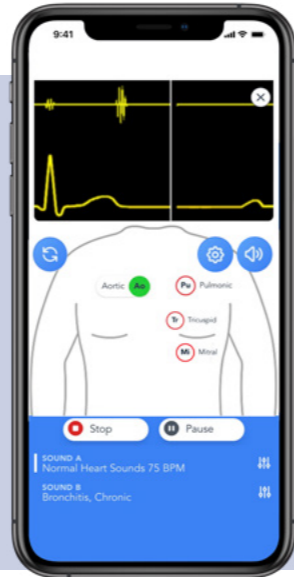


### MAIN FEATURES OF PAT4 MANIKIN:

- Includes the extensive Cardionics proprietary library of heart, lung and bowel sounds
- Use any clinical stethoscope to listen at designated auscultation sites
- Portable and light weight
- Ready to use out of the box with no complicated assembly needed
- Easy to use via smartphone or tablet\*\*
- Light and dark skin tones available
- Available in 11 languages: Chinese, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, and Spanish

\* Smartphone and tablet not included.

\*\* SAM4 Online app is available for Android and iOS devices



The manikin replicates a child's anatomy, including accurate pediatric auscultation sites, and is designed for ease of use. With the PAT4, there is no need for complicated setup—simply use your own smartphone to control the manikin right out of the box. Cardionics engineered the PAT4 to offer a complete auscultation training experience, covering cardiac, lung, and bowel sounds, while removing the complexities often associated with educational tools in the classroom. In addition to enabling class-wide auscultation training, students can practice hands-on skills independently using the PAT4 manikin, controlling it via their smartphones, without requiring supervision.

### WORKS WITH ANY CLINICAL STETHOSCOPE

Comprehensive auscultation library consisting of:

- 53 hearts sounds
- 8 heart-lung combinations
- 18 lung sounds
- 4 bowel sounds
- 10 real heart sounds
- 4 real lung sounds
- 3 dynamic heart sounds
- Phonocardiograms for every sound
- Customized volume adjustments
- Customized BPM adjustment with Dynamic Sounds

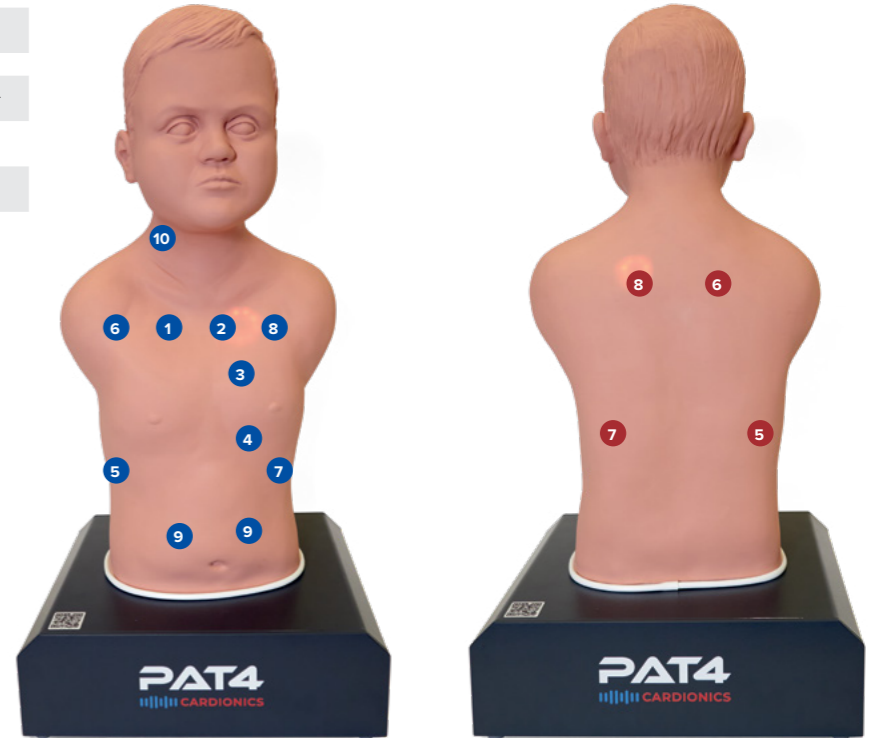


**1023608** | Adscope 604 - Pediatric Clinician Stethoscope

## 15 AUSCULTATION SITES:

PAT4 includes 15 pediatric-specific auscultation sites, providing a realistic and interactive learning experience. These sites allow students to practice with confidence, ensuring they can identify key locations for heart, lung, and bowel sounds. In a simulated environment, precise anatomical landmarks are critical for teaching the clinical relevance of each sound, allowing students to develop the muscle memory needed for real-world patient assessments. This is essential for both mastering auscultation techniques and building clinical confidence.

- | Anterior sites                | Posterior sites                |
|-------------------------------|--------------------------------|
| 1 Aortic                      | 5 Right Lung - Lower Posterior |
| 2 Pulmonic                    | 6 Right Lung - Upper Anterior  |
| 3 Tricuspid                   | 7 Left Lung - Lower Posterior  |
| 4 Mitral                      | 8 Left Lung - Upper Posterior  |
| 5 Right Lung - Lower Anterior |                                |
| 6 Right Lung - Upper Anterior |                                |
| 7 Left Lung - Lower Anterior  |                                |
| 8 Left Lung - Upper Anterior  |                                |
| 9 Bowel                       |                                |
| 10 Bruit                      |                                |



	Heart Sounds	Lung Sounds	Heart & Lungs Combined Sounds	Bowel Sounds	Real Heart Sounds	Real Lung Sounds	Dynamic Heart Sounds	Total Sounds
PAT4	53	18	8	4	10	4	3	100



**1025486** | PAT4 Light Skin  
**1025487** | PAT4 Dark Skin



### RECOMMENDED ITEMS:

- PAT Hard-shell carrying case (1020110)
- Speaker system for group instruction (1021753)
- Adscope 604 – Pediatric Clinician Stethoscope (1023608)
- Want to elevate your auscultation classes for hundreds of students? Check out our SAM4 Online license models (8001149)

### DELIVERY CONTENT:

- Portable PAT4 Pediatric Auscultation Trainer
- Power cable with 5 interchangeable plugs
- User Manual

# PAT4 LIBRARY OF SOUNDS

## Bowel (4 sounds)

Diarrhea

Hyperactive 10 Year Old

Hyperactive 2 Year Old

Normal 4 Year Old

Heart (53 sounds)

Aortic Regurgitation 75 BPM

Aortic Regurgitation 90 BPM

Aortic Stenosis and Regurgitation 75 BPM

Aortic Stenosis and Regurgitation 90 BPM

Aortic Stenosis Mild 75 BPM

Aortic Stenosis Mild 90 BPM

Aortic Stenosis Severe, Example 2 75 BPM

Aortic Stenosis Severe, Example 2 90 BPM

Aortic Stenosis Severe, S2 Absent, 75 BPM Example 1

Aortic Stenosis Severe, S2 Absent, 90 BPM Example 1

Atrial Septal Defect W\_Diastolic Murmur 75 BPM

Atrial Septal Defect W\_Diastolic Murmur 90 BPM

Coarctation of the Aorta 75 BPM

Coarctation of the Aorta 90 BPM

Congenital Aortic Stenosis 75 BPM

Congenital Aortic Stenosis 90 BPM

Ebstein's Anomaly 100 BPM

Eisenmenger's Syndrome 75 BPM

Eisenmenger's Syndrome 90 BPM

Fourth Heart Sound 75 BPM

Fourth Heart Sound 90 BPM

Hypertrophic Cardiomyopathy 75 BPM

Hypertrophic Cardiomyopathy 90 BPM

Innocent Systolic Murmur 75 BPM

Innocent Systolic Murmur 90 BPM

Innocent Systolic Murmur Vibratory 75 BPM

Innocent Systolic Murmur Vibratory 90 BPM

Mitral Regurgitation Mild 75 BPM

Mitral Regurgitation Mild 90 BPM

Mitral Valve Prolapse 75 BPM

Mitral Valve Prolapse 90 BPM

Normal Heart Sounds 110 BPM

Normal Heart Sounds 60 BPM

Normal Heart Sounds 75 BPM

Normal Heart Sounds 90 BPM

Patent Ductus Arteriosus PDA 75 BPM

Patent Ductus Arteriosus PDA 90 BPM

Pericardial Rub 75 BPM (Acute Pericarditis)

Pericardial Rub 90 BPM (Acute Pericarditis)

Pulmonary Hypertension 75 BPM

Pulmonary Hypertension 90 BPM

Pulmonary Stenosis 75 BPM

Pulmonary Stenosis 90 BPM

Summation Sound

Systolic Ejection Clicks 75 BPM

Systolic Ejection Clicks 90 BPM

Tetralogy of Fallot 75 BPM

Tetralogy of Fallot 90 BPM

Third Heart Sound 75 BPM

Third Heart Sound 90 BPM

Third Heart Sound Gallop 110 bpm

Venous Hum 75 BPM

Venous Hum 90 BPM

## Dynamic (3 sounds)

Normal Heart Sound

Congenital Aortic Stenosis

Aortic Stenosis and Regurgitation

## Heart & Lung (8 sounds)

Atrial Septal Defect 75 BPM

Atrial Septal Defect 90 BPM

Congestive Heart Failure 75 BPM

Congestive Heart Failure 90 BPM

Paradoxical Splitting of Second Sound

Physiological Splitting of Second Sound

Ventricular Septal Defect VSD 75 BPM

Ventricular Septal Defect VSD 90 BPM

## Lung (18 sounds)

Acute Bronchitis

Asthma Severe

Atelectasis

Bronchial Breath Sounds

Bronchitis Chronic

COVID 19

Crackles Fine

Crackles Medium

Crackles Very Coarse

Emphysema

Normal Vesicular Breath Sounds Pediatric

Pleural Rub Left Normal Right

Pneumonia Lobar

Pneumothorax

Pulmonary Edema

Stridor

Wheeze End Expiratory

Wheeze Low Pitched Rhoncus

Real Heart (10 sounds)

Central Shunt UM 150 BPM

Innocent Systolic Murmur Sensi 85 BPM

Mitral Valve Prolapse Sensi 90 BPM

MVP Mid Systolic Click, Nelson 104 BPM

Patent Ductus Arteriosus UM 96 BPM

Pulmonary Stenosis and Patent Ductus Arteriosus UM 138 BPM

Tetralogy of Fallot Sensi 120 BPM

Ventricular Septal Defect UM 130 BPM

Normal 3rd Heart Sound, Nelson 91 BPM

Normal Split S2, Nelson 95 BPM

## Real Lung (4 sounds)

BronchoVesicular 26 BPM

Low Pitched Crackles 24 BPM

Pleural Friction Rub 28 BPM

Wheeze Low Pitched 34 BPM