

# SAM4 LIBRARY OF SOUNDS AND VIDEOS

<b>Bowel</b>	Patent Ductus Arteriosus PDA	<b>ADDITIONAL SOUND LIBRARY FOR SAM4 PLUS</b>
Borborygmus I	Physiological Splitting of Second Sound	<b>3 Dynamic Sounds</b>
Borborygmus II	Pulmonary Hypertension	Aortic Stenosis and Regurgitation
Chron's Disease	Pulmonary Stenosis	Mitral Stenosis and Regurgitation
Diarrhea	Summation Sound	Normal Heart Sound
Hyperactive Codeine	Tetralogy of Fallot	<b>35 Real Sounds</b>
Hypoactive Anesthesia	Third Heart Sound	Aortic Septal Defect ASD Sensi 80 BPM
Hypoactive Post Operative	Venous Hum	Aortic Stenosis Systolic Murmur Diminished S2 57 BPM
Irritable Bowel	Ventricular Septal Defect VSD	Bronchial Breath Sounds 13 BPM
Normal 20 Year Old	Ventricular Septal Defect With Systolic Thrill	BronchoVesicular 26 BPM
Normal 60 Year Old		Central Shunt UM 150 BPM
Ulcerative Colitis		Congenital Bicuspid Aortic Ejection Sounds Blowing Diastolic Murmur 64 BPM
	<b>Heart &amp; Lung</b>	Fine Crackles 10 BPM
<b>Bruit</b>	Aortic Stenosis With Breath	Innocent Systolic Murmur Sensi 85 BPM
Aortic Aneurysm	Aortic Stenosis With Crackles	Late Inspiratory Crackles 14 BPM
Medium I	Fourth Heart Sound With Respiration Variation	Low Pitched Crackles 24 BPM
Medium II	Mitral Regurgitation With Breath	Mitral Regurgitation Holosystolic Murmur 48 BPM
Mild I	Mitral Regurgitation With Crackles	Mitral Regurgitation Sensi 95 BPM
Mild II	Mitral Valve Prolapse With Breath	Mitral Stenosis Opening Snap 63 BPM
Renal Bruit	Normal Heart Sounds with Chronic Bronchitis	Mitral Valve Prolapse Sensi 90 BPM
	Normal Heart Sounds with Expiratory Wheeze	MVP Mid Systolic Click 104 BPM
	Normal Heart Sounds With Rhoncus	Normal 3rd Heart Sound 91 BPM
<b>Heart</b>		Normal Breath Sounds 16 BPM
Acute Pericarditis	<b>Lung</b>	Normal Heart Sound Sensi 75 BPM
Aortic Regurgitation	Asthma Severe	Normal S3 with Systolic Murmur 73 BPM
Aortic Regurgitation Acute	Atelectasis	Normal Split S2 95 BPM
Aortic Stenosis and Regurgitation 75 BPM	Bronchial Breath Sounds	Normal Split S2 with Inspiration 77 BPM
Aortic Stenosis Mild	Bronchitis Chronic	Patent Ductus Arteriosus Sensi 95 BPM
Aortic Stenosis Severe With Systolic Thrill	Bronchophony 99 Normal	Patent Ductus Arteriosus UM 96 BPM
Aortic Stenosis Severe, Example 2	Bronchophony Abnormal 99	Physiological Split S2 UM 70 bpm
Aortic Stenosis Severe, S2 Absent, Example 1	Bronchovesicular Breath Sounds	Pleural Friction Rub 28 BPM
Atrial Fibrillation	COVID 19	Pulmonary Stenosis & Patent Ductus Arteriosus UM 138 BPM
Atrial Septal Defect	Crackles Fine	Pulmonary Stenosis Sensi 88 BPM
Coarctation of the Aorta	Crackles Medium	RBBB Split S2 1st Degree Heart Block 50 BPM
Congenital Aortic Stenosis	Crackles Very Coarse	Restrictive Ventricular Septal Defect UM 72 BPM
Congestive Heart Failure	Egophony Abnormal E to A	Tetralogy of Fallot Sensi 120 BPM
Fourth Heart Sound	Egophony Normal E to A	Velcro Crackles 10 BPM
Hypertrophic Cardiomyopathy	Emphysema	Ventricular Septal Defect Sensi 76 BPM
Innocent Systolic Murmur	Normal Vesicular Breath Sounds	Ventricular Septal Defect UM 130 BPM
Innocent Systolic Murmur Vibratory	Pectoriloquy Abnormal 123	Wheeze High Pitched 16 BPM
Mitral Regurgitation Marked	Pectoriloquy Whispered 123 Normal	Wheeze Low Pitched 34 BPM
Mitral Regurgitation Mild	Pleural Rub	
Mitral Stenosis	Pleural Rub Left Normal Right	
Mitral Stenosis and Regurgitation 75 BPM	Pneumonia Lobar	
Mitral Valve Prolapse	Pneumothorax	
Normal Heart Sounds 110 BPM	Pulmonary Edema	
Normal Heart Sounds 60 BPM	Stridor	
Normal Heart Sounds 75 BPM	Tactile Fremitus Spoken 99	
Normal Heart Sounds 90 BPM	Wheeze End Expiratory	
Paradoxical Splitting of Second Sound	Wheeze Low Pitched Rhoncus	
		<b>12 ECHOCARDIOGRAM VIDEOS</b>



## ELEVATE YOUR AUSCULTATION CLASSES

# SAM4 ADULT AUSCULTATION TRAINER

Experience the future of interactive auscultation training with the new SAM4 Adult Auscultation Trainer. Compatible with both Android and iOS smartphones, this innovative device takes your training sessions to the next level.

Connecting your smartphone to SAM4 via Bluetooth is quick and easy. Once connected, you gain access to a diverse array of scenarios from our extensive sound library. Whether you're a student or educator, SAM4 provides all the tools you need for engaging auscultation education and hands-on training.

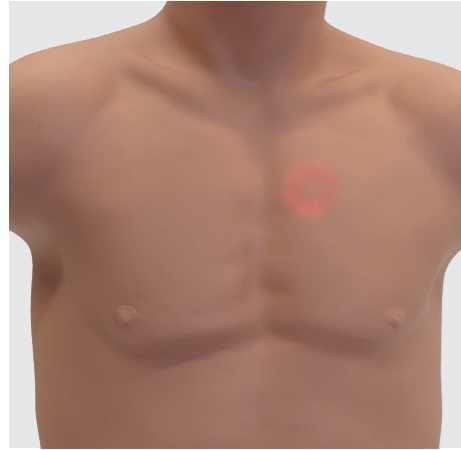


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SCAN THE QR CODE TO LEARN MORE ABOUT SAM4



## NEW FEATURES



### LED LIGHTS

Optional in all auscultation points to help students



### 360° ROTATING BASE

Facilitates demonstration and examination for multiple users



### BLUETOOTH CONTROL

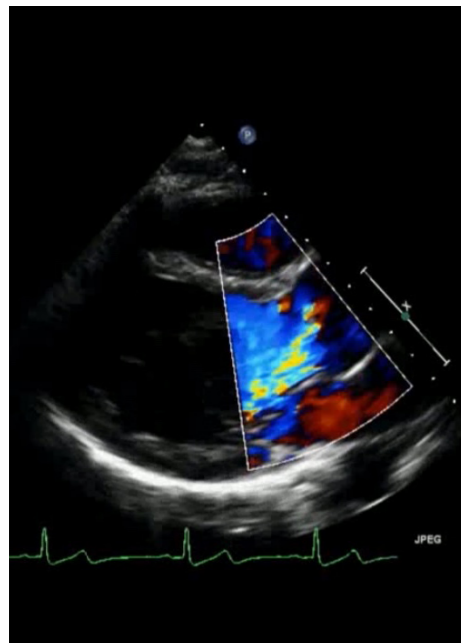
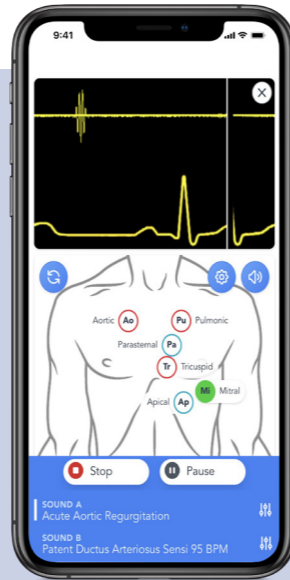
Use your smartphone or tablet\* to control the manikin



### MAIN FEATURES OF SAM4 MANIKIN:

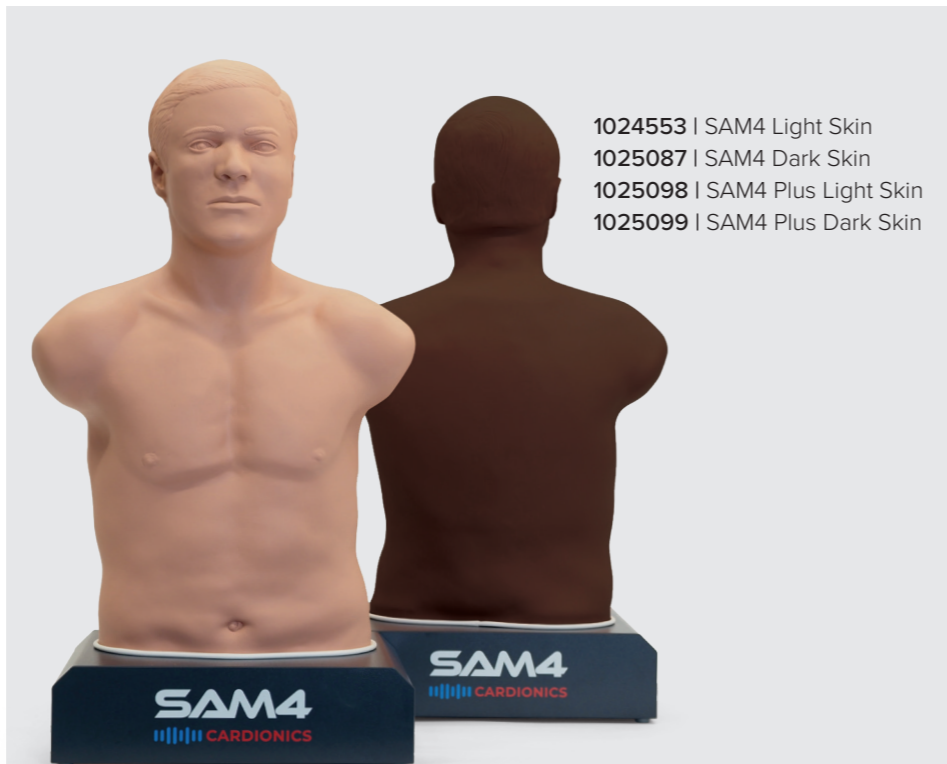
- Includes the extensive Cardionics proprietary library of heart, lung, bowel, and bruit sounds
- Use any stethoscope to listen at anatomically correct auscultation sites
- Customizable to fit specific scenarios and programs
- Portable and light weight
- Ready to use out of the box with no assembly needed
- Easy to use via smartphone or tablet\*\*
- Light and dark skin tones available
- Available in 7 different languages: English, Spanish, German, French, Portuguese, Polish, and Russian

\* Smartphone and tablet not included.  
\*\* SAM4 app is available for Android and iOS devices.



### ECHOCARDIOGRAM

Enhances the comprehension of certain conditions



- 1024553 | SAM4 Light Skin
- 1025087 | SAM4 Dark Skin
- 1025098 | SAM4 Plus Light Skin
- 1025099 | SAM4 Plus Dark Skin

## SIMPLIFYING LEARNING WITH SEAMLESS SETUP

Our user-friendly setup makes it easier than ever before to get started. Simply connect the manikin to a power supply, and with our new App, compatible with Android and iOS devices, you can instantly access a vast library of sounds for hands-on practice.

SAM4 Manikins feature built-in lights at each auscultation point, providing invaluable guidance for students during their exercises. Whether students prefer to listen to the sounds using a real stethoscope or opt for individual practice with Bluetooth external sound devices like earbuds, or even share the experience with a larger audience using a sound box. Elevate medical education with SAM4 Manikins and experience the future of interactive learning today.



	Heart Sounds	Lung Sounds	Bowel Sounds	Bruit Sounds	Heart & Lungs Combined Sounds	Total Sounds	Dynamic Sounds	Real Sounds	Echocardiogram videos
SAM4 Plus	37	26	11	6	9	89	3	35	12
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### GOOD TO KNOW: COMPREHENSIVE SOUND LIBRARY

- Any stethoscope can be used to listen to and identify sounds located in any of the 15 locations from anterior and posterior auscultation sites
- SAM4 starts with a Library of 89 sounds in the basic version. The advanced version offers additional content (Real Sounds, Dynamic Sounds and Echocardiogram videos)