

# Ultrasound Heart Phantom

*For Cardiac Image Training*

The Heart Phantom has completely anthropomorphic external and internal anatomy. Features include:

- Left/ right ventricles
- Left/right atriums
- Aortic valve
- Tricuspid valve
- Mitral valve
- Septums
- Aortic arch
- Papillary muscles

The phantom is housed in a flexible PVC membrane, and embedded in a clear anechoic medium. All standard cardiac imaging planes are easily achieved.

The Heart Phantom is ideal for teaching and developing ultrasound examination skills and techniques as well as demonstrating 3D ultrasound capabilities.

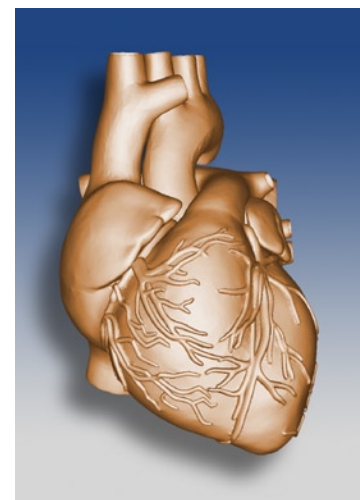
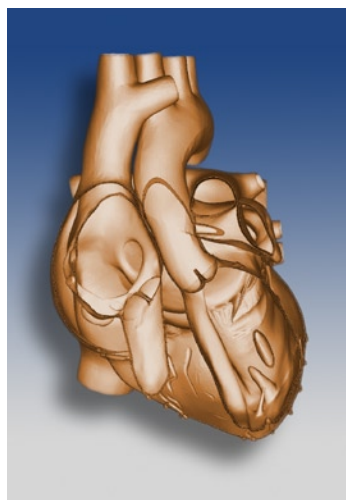
Additionally this heart phantom is helpful for MRI cardiac applications development, MRI protocol management, and MRI 3D reconstruction.

Applications:

- Training Sonographers
- Equipment demonstrations
- Validate 3D Reconstruction
- MRI protocol management



**Model 067**



# Model 067 Specifications:

## OVERALL DIMENSIONS

33 x 25 x 14 cm  
(13" x 10" x 5.5")

## PHANTOM AREA

21.5 x 16.5 x 10 cm  
(8.5" x 6.5" x 4")

## SCANNING SURFACE (MEMBRANE)

30 gauge PVC Film

## HOUSING

ABS

## SURROUNDING SOFT TISSUE

Material	Zerdine
Speed of Sound	1540 m/s
Attenuation	<0.07 dB/cm-MHz
Contrast	Anechoic

## HEART SHELL

Material	1.2 mm thermoplastic elastomer & urethane
Contrast	Similar to human heart muscle

## BLOOD

Material	Zerdine
Speed of Sound	1540 m/s
Attenuation	0.5 dB/cm-MHz
Contrast	Anechoic

## MUSCLE

Material	Zerdine
Speed of Sound	1540 m/s
Attenuation	0.5 dB/cm-MHz
Contrast	Similar to human heart muscle



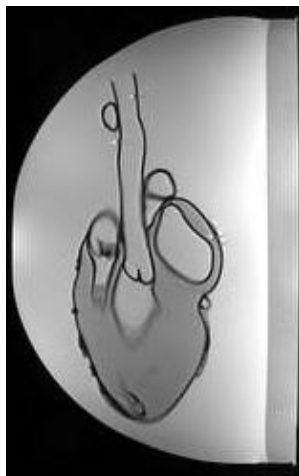
Parasternal long-axis view demonstrating ventricular outflow



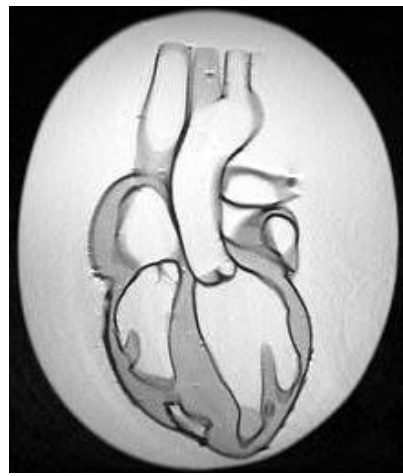
Short-axis at level of aorta



Apical four chamber view



Mid Sagittal Slice MRI - T2



Mid Coronal Slice - MRI T2



Mid Coronal View from 3D Acquisition MRI