

## Surgical Sam for CT Training



Surgical Sam is the world's first beating heart, breathing, bleeding, high fidelity team trainer for pediatric surgery. This trainer was developed with Boston Children's Hospital as the centerpiece of their team-training initiatives in pediatric cardiothoracic and general surgery.

Unlike other patient mannequins that simulate only basic physiology, Surgical Sam 'moves the needle' on pediatric surgical team training by allowing important steps of surgery to really happen – allowing OR teams to fully immerse in simulations to optimize performance, safety and outcomes for children

Surgical Sam is built on a "chassis" (#4094) which accepts interchangeable thoracic and abdominal anatomy modules, the Sam Pediatric Cardiothoracic Module (#4095) or Sam Pediatric General Surgery Module (#4096).

Our Surgical Sam Trainer configured with Pediatric Cardiothoracic Module (#4095) features a beating heart with replaceable, cannulatable right atrium (#4120) and aorta (#4119), a suturable IVC bleed site, recloseable sternum, and ventilation-compatible lungs. The beating heart can be synchronized to the output of a patient monitor for enhanced physiologic realism. Radial pulse can be simulated using hand-held bulb or Pulse Controller. Module supports hemodynamic flow to the thoracic cavity; bleed sites are externally controlled for simulating hemorrhagic events.

### INCLUDED WITH PURCHASE

<p>4094 Surgical Sam Chassis</p>		<p>Standard with Surgical Sam for CT</p> <p><b>INCLUDES:</b></p> <ul style="list-style-type: none"> <li>• Soft-Touch Limbs</li> <li>• Palpable, bilateral, radial Pulse</li> <li>• Intubatable Head and Trachea</li> </ul> <p><b>Ships with:</b></p> <ul style="list-style-type: none"> <li>• 2 Incisable Skins (#4098)</li> <li>• Skin Powder (#207) and Brush</li> </ul>	<p>\$1,200.00 \$1,100.00</p>
<p>4095 Surgical Sam Cardiothoracic Module</p>		<p>Standard with Surgical Sam for CT</p> <p><b>INCLUDES:</b></p> <ul style="list-style-type: none"> <li>• Surgical Sam Beating Heart (#4108)</li> <li>• Retractable Sternum</li> <li>• Ventilatable Lungs</li> </ul>	<p>\$1,200.00 \$1,100.00</p>




PRICES SUBJECT TO CHANGE. Shipping, taxes and duties are additional to prices quoted. Quantity discounts may be available for orders in excess of twenty units of an item. Many of our products are made to order; please discuss any timing requirements with us in advance. Products may be returned for credit only. A restocking fee may apply.

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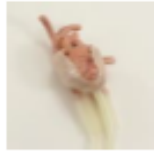






**Surgical Sam for CT Training**

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32004	Surgical Sam Quick-Start Curriculum Guide		Standard with Surgical Sam for CT Developed by Boston Children's Hospital SIMPeds, provides guidance in setting up your simulation session.	
4100	Surgical Sam Shipping Case		Standard with Surgical Sam for CT ATA-rated watertight shipping case, customized to accept Surgical Sam and some accessories, for storage and shipping.	\$295.00 \$295
1463	Beating Heart Controller with Pulse		Standard with Surgical Sam for CT Animates the Surgical Sam Beating Heart and Sam's Radial Pulse. Offers 4 pre-programmed heart rates of 60, 90, 120 or 160 bpm. Matches pulse to heartbeat while allowing control of pulsatile strength. Sync Line allows heart rate to be synchronized to the output of a patient monitor. Requires a regulated source of compressed air such as our Beating Heart Compressor (#1204) or 'wall air' using our Air Pressure Regulator (#267).  INCLUDES: • Controller • Solenoid Unit • Sync Line • Power Supply Adaptor & Plug Adaptors • Air lines • Pulse Line • Signal line • Case for Beating Heart Controller (#1402)	\$4,760.00 \$4,760
4098	Surgical Sam Incisable Skin		Standard with Surgical Sam for CT Replaceable, suturable, staple compatible mimetic skin has the tactile response of live tissue.	\$100.00 \$100







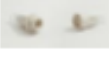


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**OPTIONS & REPLACEMENTS**

4108	Surgical Sam Beating Heart		<p>Standard with #4095</p> <p><b>INCLUDES:</b></p> <ul style="list-style-type: none"> <li>• Right and Left Ventricles</li> <li>• Replaceable Right Atrium (#4120)</li> <li>• Replaceable Aorta (#4119)</li> <li>• Pericardium (#4115)</li> </ul>	<p>\$2,795.00</p> <p>000</p>
4119	Surgical Sam Aorta		<p>Standard with #4108</p> <p>Replacement Aorta for Surgical Sam Beating Heart (#4108). Provides blood flow to the heart and can be clamped, cannulated, sutured and stapled.</p>	<p>\$950.00</p> <p>000</p>
4120	Surgical Sam Right Atrium		<p>Standard with #4108</p> <p>Replacement Right Atrium for Surgical Sam Beating Heart (#4108). Provides blood flow to the heart and contains a concealed bleeder site. It can be clamped, cannulated, sutured and stapled.</p>	<p>\$625.00</p> <p>000</p>
4115	Surgical Sam Pericardium		<p>Standard with #4108</p> <p>Replacement pericardial sac is inciseable and suturable.</p>	<p>\$600.00</p> <p>000</p>
4109	Surgical Sam Module Stand		<p>Optional for #4095</p> <p>Holds module when chassis is not present.</p>	<p>\$85.00</p> <p>000</p>
4114	Surgical Sam Reverse Trendelenburg Stand		<p>Optional for #4095</p> <p>Allows blood to pool in the chest without leaking from neck.</p>	<p>\$27.00</p> <p>000</p>
4102	Surgical Sam Module Shipping Case		<p>Optional for #4095</p> <p>ATA-rated watertight shipping case. Recommended for storing or shipping the module separately from the chassis.</p>	<p>\$195.00</p> <p>000</p>
1204	Beating Heart Compressor		<p>Optional for #1463</p> <p>Works with Beating Heart Controller with Pulse (#1463) to animate Surgical Sam Beating Heart (#4108), necessary when a source of regulated wall air is not available.</p>	<p>\$1,325.00</p> <p>000</p>
1038	Compressor Shipping Case		<p>Optional for #1204</p> <p>Watertight, crushproof case includes removable casters. Recommended for storage and shipping. Recommended.</p>	<p>\$65.00</p> <p>000</p>

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267	Air Pressure Regulator		Optional for #1463 Regulates wall air and works with Beating Heart Controller with Pulse (#1463) to animate the Surgical Sam Beating Heart (#4108).	\$375.00 0.00
261	Blood Circuit Kit 1 Liter		Optional for #4095 1L bag to supply simulated blood during a training session. Blood sold separately.	\$400.00 0.00
262	Blood Circuit Kit 2 Liter		Optional for #4095 2, 1L bags and tubing adaptor to supply simulated blood during a training session. (Though it has two bags, they flow into the same lines.) Blood sold separately.	\$700.00 0.00
32001	Y Adaptor (female)		Standard with #262 Optional for #261 Adapts 2 lines into 1. (2 female connectors to 1 male connector.)	\$100.00 0.00
32002	Y Adaptor (male)		Optional for #261, #262 or #4095 Adapts 1 line into 2. (1 female connector to 2 male connectors.)	\$200.00 0.00
263	Blood Circuit Kit 8' Extension Line		Optional for #261, #262 or #4095 Allows blood circuit kit to be placed further away from the simulation.	\$300.00 0.00
264	Blood Circuit Kit Large Bore Adapters		Optional for #261, #262 or #4095 Adapts luer to larger fittings. 1 each Male and Female.	\$100.00 0.00
265	Bright Arterial Simulated Blood Concentrate		Optional for #4095 Water-soluble concentrate makes 1L of Bright Arterial blood.	\$400.00 0.00
266	Dark Venous Simulated Blood Concentrate		Optional for #4095 Water-soluble concentrate makes 1L of Dark Venous blood.	\$400.00 0.00

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