

Hemodynamic Simulator II (P09026)									
Bill of Materials									
Item	Quantity	Manufacturer	Part Number	Lead Time	Status	Unit Price	Total Price	Responsible	Description
Servo Actuator									
Servo Drive Computer Cable	1						\$0.00	Mark	
Linear Actuator	1	TRC			4 hours	\$620.00	\$620.00	Mark	
Servo Motor	1					\$0.00	\$0.00	Mark	Order Actuators, these parts will be a package
Servo Drive	1					\$0.00	\$0.00	Mark	
Servo Drive Servo Cable	1					\$0.00	\$0.00	Mark	
Servo-Actuator Connection	1					\$0.00	\$0.00	Mark	
Air Piston									
Piston	1				Obtained		\$0.00	Mark	
Air Tubing	5 feet		84889793		Priced	\$36.47	\$182.35	Mogil	Cylinder from previous group
Fluid Fitting	1		85784296			\$5.12	\$5.12	Mogil	
Buffer Chamber									
Chamber	1				Obtained		\$0.00	Mogil	Chamber from previous group
Cap	1				Obtained		\$0.00	Mogil	
Pressure Gauge	1		420811		Priced	\$102.30	\$102.30	Mogil	
Air Fitting (outlet)	1		44292412			\$1.90	\$1.90	Mogil	Tubing and fittings needed for this subcomponent
Fluid Fitting (outlet)	1				Obtained		\$0.00	Left over (B026)	
Fitting	1 (out of 10)	Saint Gobain	8139424		Priced	\$8.60	\$8.60	Mogil	
Heart Chamber									
Chamber	1						\$0.00	Mechanical	Donated from Dr. Schwarz
Fluid Fitting (inlets)	2				Obtained		\$0.00	Left over (B026)	
Fluid Fitting (outlet)	1				Obtained		\$0.00	Left over (B026)	Tubing and fittings needed for this subcomponent
Recirc-off mechanism	1				Obtained		\$0.00	Mogil	
Compliance Chamber									
Chamber	1				24 hours		\$0.00	Mogil	
Pressure relief valve	1		8893425		Priced	\$8.07	\$8.07	Mogil	Compliance chamber attached to the heart chamber
Adjustable Cap	1						\$0.00	Mogil	
Heart Chamber Interface	1						\$0.00	Mogil	
Reservoir	1				Obtained		\$0.00	Mogil	Head pump to build pressure
Pressure Gauge	1		420811		Priced	\$102.30	\$102.30	Mogil	
Fluid Fitting (outlet)	1				Obtained		\$0.00	Left over (B026)	Tubing and fittings needed for this subcomponent
Quick Disconnect									
Tubing	5 feet (of 10)	Saint Gobain	8139424		Priced	\$0.60	\$3.00	Mogil	
Slide Valve									
Slide valve	1		4753423		Priced	\$60.76	\$60.76	Mogil	Valve used for resistance in the system
Fluid Fitting	2				Obtained		\$0.00	Left over (B026)	Tubing and fittings needed for this subcomponent
Fitting	2 (out of 10)	Saint Gobain	8139424		Priced	\$8.60	\$17.20	Mogil	
Reservoir Chamber									
Chamber	1				24 hours		\$0.00	Litane	Reservoir to hold the excess fluid in the system
Adjustable Cap	1						\$0.00	Mogil	
Reservoir	1				Obtained		\$0.00	Mogil	Head pump to build pressure
Pressure Gauge	1		420811		Priced	\$102.30	\$102.30	Mogil	Tubing and fittings needed for this subcomponent
Fluid Fitting (outlet)	1				Obtained		\$0.00	Left over (B026)	
Heart Stand									
Stainless Steel Tube	6 feet				16 hours			Joe	Stand to hold the heart and buffer chamber (as opposed to be used)
Stainless Steel Bar Clamp	3 feet							Joe	
Mounting for Actuator/Cylinder									
Block	6 feet				16 hours			Mark	Mounts for the cylinder and actuator (like cart)
Block and bolts	12 feet							Mark	
Cart	1				Obtained		\$0.00	Mechanical	Cart the system will be built on
Electrical Design Bill of Materials									
Controller	1	Pyrotec Scientific			Obtained		\$0.00		P09026 Will not be used (obtained from P0808)
Pressure Sensors	3	Omiga			Obtained		\$0.00		Donated by Dr. Schwarz
Flow Meter	2	Edwards Life sciences			Obtained		\$0.00		P09026
Flow Meter	1	Omiga			Obtained		\$25.00		
Data Acquisition Board	1	Measurement Advantage			Obtained		\$50.00		Jonathan