

S. No	Name of item	Qty Required
1	<u>Cooling/Heating Water Circulating Bath</u> Cole Parmer cat # 12145-75 or equivalent. Bath capacity: 13-21 L, Temperature range: -25-200 °C, Bright LCD display, Temperature resolution of 0.01 °C, including bath lid with handle, water circulating pump, power cord with plug, Power source: 220 Volts 50 Hz, single phase.	01
2	<u>Variable Speed Vortex Mixer</u> Cole Parmer cat # 04726-03 or equivalent, Speed selection range: 0-2850 rpm, continuous operation with On/Off switch, including standard cup for holding 15 mL tube and power cord, Power source: 220 Volts, 50 Hz, single phase.	04
3	<u>Variable Speed Centrifuge</u> Cole Parmer cat # 17417-05 or equivalent, Speed selection range: 100-6500 rpm, Time selection range: 0-30 min, capacity to centrifuge six tubes up to 15 mL, including rotor and power cord, Power source: 220 Volts, 50 Hz, single phase.	04
4	<u>Funnel Shaped Heating Mantle</u> Cole Parmer cat # 36101-05 or equivalent, Flask size: 50-1000 mL, Temperature selection range: up to 450 °C, indication lights for power and heating, including support rod clamp and detachable power cord. Watts: 80/150 (Two Heating Circuits), Power source: 220 Volts, 50 Hz, single phase.	02
5	<u>Magnetic Stirrer</u> Cole Parmer cat # 04802-03 or equivalent, Stirring capacity: 2.5 L, Speed selection range: 100 to 1500 rpm, including power cable with plug, Power source: 220 Volts, 50 Hz, single phase.	04
6	<u>Stainless Steel Ultrasonic Cleaner</u> Cole Parmer cat # 08895-83 or equivalent, Capacity: 9.5 liters, Temperature selection range up to 160 °F, including heater, digital timer, drain plug, temperature monitor, lid and nonskid feet, Power source: 220 Volts, 50 Hz, single phase.	03
7	<u>1/2 inch Teflon Coated magnetic stirrers Bars</u> Cole Parmer cat # 08549-00 or equivalent, Teflon coated, Length: 13 mm, Diameter: 8 mm.	12
8	<u>1 inch Teflon Coated magnetic stirrers Bars</u> Cole Parmer cat # 04775-45 or equivalent, Teflon coated, Length: 25.5 mm, Diameter: 12.7 mm.	12