

Name of Material/ Equipment	Company	Catalog Number	Comments/Description
19/22 Thermometer Adapter	Wilmad-Labglass	ML-280-702	Sensor Plug (small chamber)
2 ml Screwcap Tubes	Fisher	3464	O ₂ generator
24/40 Thermometer Adapter	Wilmad-Labglass	LG-1985-102	Sensor Plug (large chamber)
50 ml Schlenk Flask 24/40 Joint	Laboy	HMF050118	Chamber (large)
50 ml Schlenk Tube 19/22 Joint	Laboy	HMF050804	Chamber (small)
6-Conductor Cable	Zenith	E33020401	Cable
6-Pin Female Bulkhead Connector	Switchcraft	17982-6SG-300	Controller
6-Pin Female Connector	Switchcraft	18982-6SG-522	Sensor plug
6-Pin Male Connector	Switchcraft	16982-6PG-522	Cable
800 ul centrifuge tube	Fisher	05-408-120	Soda Lime Cartridge
ABS Plastic Enclosure	Bud Industries	PS-11533-G	Controller
Arduino Nano Every	Arduino LLC	ABX00028	Controller
BME 280 Sensor	DIYMall	FZ1639-BME280	Sensor Plug
Circuit Board	Lheng	5 X 7 cm	Controller
Coaxial Jack	Kobiconn	163-4018-EX	Sensor Plug
Coaxial plug	Kobiconn	171-3219-EX	O ₂ generator: cut to 2-pin
Copper Sulfate	BioPharm	BC2045	O ₂ Generator
Copper wire 20 ga	Craftwire		O ₂ Generator
Epoxy	JB Weld	Plastic Bonder	Secure Electrodes in O ₂ Generator
Keck Clamps	uxcell	a20092300ux0418	Secures glass joint of chamber to plug
Low-Viscosity Epoxy	Loctite	E-30CL	Sensor Plug
OLED Display	IZOKEE	IZKE31-IIC-WH-3	Controller
Platinum Wire 24 ga	uGems	14349	O ₂ generator
Silicone grease	Dow-Corning	High Vacuum Grease	Seals chamber-plug connection
Silicone Sealer	Dow-Corning	Dowsil 734	Sensor plug
Soda Lime	Jorvet	JO553	CO ₂ absorption
Toggle Switch	E-Switch	100SP1T1B1M1QEH	Controller
USB Cable	Sabrent	CB-UM63	Controller