

Materials List for:

Creating Defined Gaseous Environments to Study the Effects of Hypoxia on *C. elegans*

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Materials

Name	Company	Catalog Number	Comments
Tubing (FEP and PTFE)	Cole Parmer Tygon	YO-95821-00 (1/8" FEP) 06605-27 (1/16 x 1/8" PTFE) R-3603	
Compression fittings	Seattle Fluid Systems	06363-58 (M. coupler 1/16") 06363-62 (F. coupler 1/16") 06363-60 (M. coupler 1/8") 06363-61 (F. coupler 1/8")	
Flow tube	Aalborg	PMR3-010073 (3 output) PMR1-013520 (1 output)	
Mass flow controller	Sierra Instruments	810S-L-DR-2-OV1-SK1-V1-S1 (Mass Trak) C100L-DD-2-OV1-SV1-PV2-V1-SO-C10 (Smart Trak 2)	
Compressed gas tank	AirGas	Made to order	
Plastic male Luer to hose barb fittings	Cole Parmer	45505-41 (500 series 1/16")	
Cast acrylic boxes	Ellard Instrumentation	Made to order	
Pipe fittings (Brass or stainless steel)	Seattle Fluid Systems	B-402-1 (1/4" nut) B-200-3 (1/8" union tee) B-400-set (1/4" ferrules) B-QM2-B1-200 (QM Body QC) B-200-1-2 (1/8 x 1/8" male conn)	
Dow Corning Vacuum Grease	Sigma-Aldrich	Z273554	
AnaeroPack box	Misubishi Gas Chemical Company	R684004 (0.4 liter) R685025 (2.5 liter) R685070 (7.0 liter)	
Pyrex gas wash bottle	Sigma-Aldrich	CLS31770500C (500 mL) CLS31770250C (250 mL) CLS31770125C (125 mL)	
Palmitic acid	Sigma-Aldrich	P0500	
Goat anti-mouse IgG-horseradish peroxidase	Southern Biotechnology Associates	1032-05	
SuperSignal West Pico Chemiluminescent Substrate	Pierce Chemical	34077	
100 x 50 glass crystallization dishes	Kimax Kimble	23000	