

Materials List for:

The Use of Chemostats in Microbial Systems Biology

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Materials

Name	Company	Catalog Number	Comments
Infors-HT Sixfors Chemostat	Appropriate Technical Resources, Inc.		
Glass Bottle 9.5 L	Fisher Scientific	02-887-1	For Media Vessel and Hosing
Pinchcock	Fisher Scientific	05-867	For Media Vessel and Hosing
Stopper, Size 12, Green Neoprene	Cole-Palmer	EW-62991-42	For Media Vessel and Hosing
Straight Connector	Cole-Palmer	EW-30703-02	For Media Vessel and Hosing
General purpose ties 4 in	Fisher Scientific	NC9557052	For Media Vessel and Hosing
Tubing, Silicone Rubber	Small Parts	B000FMWTDE	For Media Vessel and Hosing
Tubing, Silicone, 3/8 in OD	Fisher Scientific	02-587-1Q	For Media Vessel and Hosing
Tubing, Silicone, 7/32 in OD	Fisher Scientific	02-587-1E	For Media Vessel and Hosing
Tubing, Stainless Steel, 3/16 in OD	McMaster-Carr	6100K164	For Media Vessel and Hosing
Tubing, Stainless Steel, 3/8 in OD	McMaster-Carr	6100K161	For Media Vessel and Hosing
Hook Connectors	Fisher Scientific	14-66-18Q	For Media Vessel and Hosing
Ratchet Clamp	Cole-Palmer	EW-06403-11	For Media Vessel and Hosing
Luer, Female	Cole-Palmer	EW-45512-34	For Media Vessel and Hosing
Luer, Male	Cole-Palmer	EW-45513-04	For Media Vessel and Hosing
Millipore Aervent MTGR05010 62 mm Filter, 0.2 µm	Fisher Scientific	MTGR05010	For Media Vessel and Hosing
PTFE Acrodisc CR 13 mm filters, 0.2 µm	Fisher Scientific	NC9131037	For Media Vessel and Hosing
Direct-Reading Flowtube for Air	Cole-Palmer	EW-32047-77	For Nitrogen Gas Setup
Direct-Reading Flowtube for Nitrogen	Cole-Palmer	EW-32048-63	For Nitrogen Gas Setup
Gas Proportioner Multitube Frames	Cole-Palmer	EW-03218-50	For Nitrogen Gas Setup
Regulator, Two-Stage Analytical	Airgas	Y12-N145D580	For Nitrogen Gas Setup
Hose Adaptor, Stainless Steel	Airgas	Y99-26450	For Nitrogen Gas Setup
Hose Male Adaptor	Airgas	WES544	For Nitrogen Gas Setup
Norprene Tubing	US Plastics	57280	For Nitrogen Gas Setup
Tripod Base	Cole-Palmer	EW-03218-58	For Nitrogen Gas Setup
Valve Cartridges	Cole-Palmer	EW-03217-92	For Nitrogen Gas Setup
Carboy 10 L	Fisher Scientific	02-963-2A	For Media Preparation
Steritop Sterile Vacuum Bottle-Top Filters, 1,000 ml, PES membrane; for 45 mm neck size	Fisher Scientific	SCGP-T10-RE	For Media Preparation
Media Bottle 100 ml, 45 mm neck size	Fisher Scientific	FB-800-100	For Media Preparation
calcium chloride·2H ₂ O	Fisher Scientific	C79-500	Media Reagents

sodium chloride	Fisher Scientific	BP358-1	Media Reagents
magnesium sulfate·7H ₂ O	Sigma Aldrich	230391	Media Reagents
potassium phosphate monobasic	Fisher Scientific	AC424205000	Media Reagents
ammonium sulfate	Fisher Scientific	AC423400010	Media Reagents
potassium chloride	Sigma Aldrich	P9541	Media Reagents
boric acid	Sigma Aldrich	B6768	Media Reagents
copper sulfate·5H ₂ O	Sigma Aldrich	209198	Media Reagents
potassium iodide	Sigma Aldrich	60400	Media Reagents
ferric chloride·6H ₂ O	Fisher Scientific	I88-100	Media Reagents
manganese sulfate·H ₂ O	Sigma Aldrich	230391	Media Reagents
sodium molybdate·2H ₂ O	Sigma Aldrich	M7634	Media Reagents
zinc sulfate·7H ₂ O	Fisher Scientific	Z68-500	Media Reagents
biotin	Fisher Scientific	BP232-1	Media Reagents
calcium pantothenate	Fisher Scientific	AC24330-1000	Media Reagents
folic acid	Sigma Aldrich	F7876	Media Reagents
inositol (aka myo-inositol)	Fisher Scientific	AC12226-1000	Media Reagents
niacin (aka nicotinic acid)	Sigma Aldrich	N4126	Media Reagents
p-aminobenzoic acid	Fisher Scientific	AC14621-2500	Media Reagents
pyridoxine HCl	Sigma Aldrich	P9755	Media Reagents
riboflavin	Sigma Aldrich	R4500-25G	Media Reagents
thiamine HCl	Fisher Scientific	BP892-100	Media Reagents
Leucine	Sigma Aldrich	L8000-100G	Media Reagents
Uracil	Sigma Aldrich	U0750	Media Reagents
Dextrose	Fisher Scientific	DF0155-08-5	Media Reagents