

Materials List for:

Paraffin Embedding and Thin Sectioning of Microbial Colony Biofilms for Microscopic Analysis

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Materials

Name	Company	Catalog Number	Comments
5 3/4" Pasteur pipette	Fisher Scientific	13-678-6A	Purchased from univeristy biostores
Agar	Teknova	A7777	
Buchner Aspirator (Vacuum) Flask	Pyrex	5340	Purchased from univeristy biostores
Chemically-resistant Marking Pen	VWR	103051-182	Manufacturer: Leica
Clear Fingernail Polish	*****	*****	Store bought
Congo Red Indicator Grade	VWR	AAAB24310-14	Manufacturer: Alfa Aesar
Coomassie Blue	VWR	EM-3340	Manufacturer: EMD Millipore
TRIS-buffered Mounting Medium (w/ DAPI)	Fisher Scientific	50 247 04	Manufacturer: Electron Microscopy Sciences
Embedding Mold	*****	*****	3D printed in-house
Embedding Mold (commercial)	Electron Microscopy Sciences	70182	
Ethanol 200P	Decon Labs, Inc.	2701	Purchased from univeristy biostores
Fine-tipped Brush	*****	*****	Store bought, paint brush
Glass Coverslips 60x22mm	Fisher Scientific	12-519-21C	
Glass Rehydration Mailer	Ted Pella	21043	20 slide mailer
Histoclear-II, orange oil-based clearing agent	Fisher Scientific	50 899 90150	Manufacturer: National Diagnostics
Histosette, Embedding Casette	Fisher Scientific	15 182 701A	
L-lysine hydrochloride	Fisher Scientific	BP386 100	
Low Profile Microtome Blades	Fisher Scientific	22 210 048	Manufacturer: Sturkey
Micropipette	VWR	89080-004	Promo-pack
Micropipette Tips	See comments section	See comments section	p10 (Fisher Scientific, 02 707 469), p200 (VWR, 89079-474), p1250 (VWR, 89079-486)
Microtome	Fisher Scientific	905200U/00016050	Model: HM355S, Manufacturer: Microm, NON-CATALOG, Vendor Catalog # 905200U/00016050
Formaldehyde, 37% Aqueous (Formalin)	Ricca Chemical	RSOF0010-500A	
Paraplast Xtra (paraffin wax)	VWR	15159-486	Manufacturer: McCormick Scientific
Petri Dishes Square 100x100x15mm	Laboratory Disposable Products	D210-16	

Potassium chloride	EMD Chemicals	PX1405-1	Component of phosphate buffered saline, prepared in-house
Potassium phosphate	Fisher Scientific	P380-500	Component of phosphate buffered saline, prepared in-house
Razor Blades	VWR	55411-050	Purchased from univeristy biostores
Slide Warmer	Fisher Scientific	NC0865259	NON-CATALOG, Vendor Catalog # 12857D
Sodium chloride	VWR	0241-1KG	Component of phosphate buffered saline, prepared in-house
Sodium phosphate	VWR	BDH9296.500	,Component of phosphate buffered saline, prepared in-house
Suprafrost Histology Slides	Fisher Scientific	12-544-2	
Tissue Flotation Water Bath	Fisher Scientific	NC0815797	Manufacturer: Ted Pella, Vendor Catalog # 28156-B
Automatic Tissue Processor	Fisher Scientific	813160U/Q#00009061	Model: STP120 Tissue Processor
Tryptone	Teknova	T9012	
Yeast extract	Teknova	Y9010	