

Laboratory Setup

General laboratory equipment required

☒	Date	Initials	Item	Vendor	Part Number
☐			Fume Hood		
☐			47°C incubator in fume hood	VWR	PN 10055-006
☐			Cell culture hood with aspirator		
☐			37°C cell culture incubator		
☐			Centrifuge (up to 15,000 rpm)		
☐			Bench top (vacuum) aspirator		
☐			Rocker		
☐			Analytical balance		
☐			Cryotome		
☐			Digital General-Purpose Water Bath, 20L	VWR	76308-900

Required Materials and Recommended Suppliers

✓	Date	Initials	Item	Vendor	Part number
			Buffers and additives		
☐			32% Paraformaldehyde (Formaldehyde) Solution	EMS	15714
☐			Ammonium Persulfate <i>Refresh stock every 6 months</i>	Millipore-Sigma	09913-100G
☐			Ethyl alcohol, Pure (200 proof)	Millipore-Sigma	E7023-6X500ML
☐			N,N,N',N'-Tetramethylethylenediamine (TEMED) <i>Refresh stock every 6 months</i>	Millipore-Sigma	T7024-25ML
☐			RNase Inhibitor, Murine	NEB	M0314L
☐			Proteinase K, Molecular Biology Grade	NEB	P8107S
☐			Phosphate-Buffered Saline (10X) pH 7.4, RNase-free	Thermo Fisher	AM9625
☐			UltraPure DNase/RNase-free Distilled Water	Thermo Fisher	10977015
☐			Mineral Oil	Sigmna	M5904-500ML
☐			Optimal Cutting Temperature Compound (OCT) [AG1]		
			Solutions, consumables & small laboratory equipment	Vendor	Part number
☐			RNaseZap RNase Decontamination Solution	Thermo Fisher	AM9782
☐			Petri Dish, 60 x 15 mm, Sterile	VWR	25382-687
☐			Petri Dish, 150 x 15 mm	VWR	75799-948
☐			Gel Slick Solution	VWR	12001-812
☐			Parafilm M	VWR	102091-164
☐			Hobby Blades <i>2x are provided with the MERSCOPE Instrument</i>	VWR	80094-372 and 103301-802
☐			High precision tweezers <i>1x are provided with the MERSCOPE Instrument</i>	Techni-Tool	758TW462
☐			Serrated tweezers <i>1x are provided with the MERSCOPE Instrument</i>	Techni-Tool	758TW450
☐			Cleaning tissue (Kimwipe or similar)		

☐			EMS, Electron Microscopy Sciences. NEB, New England BioLabs
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