

EM Processing

Sort tissue pieces into appropriate processing vessel.

Set up for EM processing:

Fixation	Rinse	EMBLOC staining	Dehydration Series	Transitional Solvent	Resin Infiltration	Embedding
1:1 osmium tetroxide & 3% potassium ferricyanide	H2O	0.5% uranyl acetate	50% OH- 75% OH- 95% OH- 100% OH- 100% OH-	Propylene oxide	1:1 Spurr:Epon/ propylene oxide	Spurr:Epon

Mix Spurr:Epon resin:

Add all ingredients on a balance into a plastic disposable beaker in order given below. Stir with disposable tongue depressor. After resin is mixed, save some Spurr:Epon for the resin infiltration and embedding steps. Cover resin with parafilm and set aside.

SPURR	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)
VCD (ERL 4206)	1.00	2.00	4.00	5.00	7.00	10.00	15.00	20.00
DER 736	0.40	0.80	1.60	2.00	2.80	4.00	6.00	8.00
NSA	2.60	5.20	10.40	13.00	18.20	26.00	39.0	52.00
DMAE	0.04	0.08	0.16	0.20	0.28	0.40	0.60	0.80
TOTAL	4.04	8.08	16.16	20.20	28.28	40.40	60.60	80.80

EPON	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)	Amt. (g)
Epon 812 (Embed 812)	140	2.80	5.60	7.00	9.80	14.00	21.00	28.00
DDSA	0.65	1.30	2.60	3.25	4.55	6.50	9.75	13.00
NMA	0.66	1.32	2.64	3.30	4.62	6.60	9.90	13.20
DMP-30	0.11	0.21	0.43	0.54	0.75	1.07	1.61	2.14
TOTAL	2.82	5.63	11.27	14.09	19.72	28.17	42.26	56.34

TOTAL SPURR + EPON	6.86	13.71	27.43	34.29	48.00	68.57	102.86	137.14
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