

Date: _____

Embedding Eyes for Sectioning

Day 1

- | | <u># eyes (beginning)</u> | <u># eyes (end)</u> | <u>Genotype</u> |
|--|---------------------------|---------------------|-----------------|
| 1. Dissect eyes. | | | |
| 2. Fix for 1 hour on ice in 2% glutaraldehyde in PBS in 1.5-ml microfuge tubes. | | | |
| 3. Rinse for 10' in PBS on ice. | | | |
| 4. Dehydrate in EtOH on ice: | | | |
| 50% 5 min | | | |
| 70% 5 min | | | |
| 90% 5 min | | | |
| 100% 5 min | | | |
| 5. Clear in propylene oxide for 5' on ice. | | | |
| 6. Infiltrate in 1:1 propylene oxide/plastic for 15 minutes. | | | |
| 7. Dessicate in pure plastic overnight. | | | |
| 8. Embed in plastic in little tubes (Ted Pella #130-B-2, Beem Capsules Size 3). Fill tube with one drop of plastic, add and position head with a needle so that the eye is facing directly down—this may require multiple repositionings over a few hours. Then, bake O/N. | | | |
| 9. Add rest of plastic to fill up the tubes the next day and bake for another day. | | | |

Epon 812/Araldite Mixture (you can make this and keep at -20 in 10ml syringe without the needle.

1/2 Recipe for Day 1

3.55 g
2.40 g
1.25 g

Full Recipe

7.1 gDodecenylsuccinic Anhydride
4.8 gEpon 812
2.5 gAraldite

Mix to homogeneity, then add:

.125 ml

.250 ml

DMP-30

* Meaning if you want a copy of this, you must buy Gail a taco.