

Normal embedding

Fix	
Wash in buffer solution	10 min
Acetone (30%)	10 min
Acetone (60%)	10 min
Acetone (90%)	10 min
Acetone (100%) 3 changes	10 min each
Acetone + final Epoxy mixture (1+1)	30 min
Acetone + Final Epoxy mixture (1+2)	30 min
Final Epoxy mixture	
Embed in predried gelatin (or polyethylene) capsules and polymerize at 45°C for 12 hours followed by 24 hours at 60°C.	There is some evidence that blocks section better, if they are air-cured for a few days after polymerisation.

Rapid embedding (less than 3 hours)

Fix	
Wash in buffer solution	3 min
Acetone (30%)	4 min
Acetone (70%)	4 min
Acetone (95%)	4 min
Acetone (100%) 2 changes	4 min each
Epoxy mixture + Acetone (1+1)	15 min
Epoxy mixture 2 changes	10 min
Embed in fresh Epoxy mixture in pre-dried capsules at 100°C.	
Sections can be cut when the blocks are cooled to room temperature.	1 hour

Remarks

Since Epoxy resin is hygroscopic, extreme care should be taken to prevent contamination with water. The tissues must be dehydrated completely. The Epoxy mixture can be stored tightly closed at +4°C in	the refrigerator and protected from light. Before opening, the container should be kept at room temperature for at least 1 hour to prevent condensation.
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References

Journal of Cell Biology 11-5 (1979)	Biochem. Cytol., 9-409 (1961)
Luft, J.H.; Journal Biophysics and	