

X-gal Staining of Injected Embryos

Fix embryos for one hour in freshly prepared MEMFA

MEMFA: 0.1M MOPS, 2mM EGTA, 1mM MgSO₄, 3.7% Formaldehyde

Wash in 0.1M PO₄ buffer pH 6.3-6.4 for 5 min(0.1M Phosphate Buffer = Na₂HPO₄ + NaH₂PO₄)

Change into X-gal solution 10ml 0.1M PO₄ Buffer warmed to 37C
 32.93mg Potassium Ferricyanide (0.01M)
 42.24mg Potassium Ferrocyanide (0.01M)
 0.1ml 15% X-gal (15mg in 100ul DMSO)

Incubate at RT or 37C until staining is sufficient

Stop X-gal by rinsing embryos in 0.1M MOPS

Wash embryos in 100% EtOH, then store at -20C