

Wholemout lacZ lineage tracing

This is best for lineage tracing of whole embryo ,
while BDA is much better for section.

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|---|---|---|------|---|------|------------------------|------|------------------------|------|-----|--------|
| <ul style="list-style-type: none">• Fix <i>β-gal</i> mRNA injected embryos in MEMFA for <u>20 min</u> or less. Note: Longer fixation will kill β-Gal protein.• (Wash in PBS for 10 min at room temperature) x 4.• Stain in Xgal solution overnight at 4°C or for 4 h at room temperature.• (Wash with PBS for 5 min at room temperature) x 2.• Re-fix in MEMFA for 2 h at room temperature. | <p>Solutions:</p> <p>β-gal solution:</p> <table><tr><td>0.5M K₃Fe(CN)₆</td><td>8 μl</td></tr><tr><td>0.5M K₄Fe(CN)₆</td><td>8 μl</td></tr><tr><td>0.5M MgCl₂</td><td>4 μl</td></tr><tr><td>Xgal (0.1g/ml in DMSO)</td><td>4 μl</td></tr><tr><td>PBS</td><td>976 μl</td></tr></table> | 0.5M K ₃ Fe(CN) ₆ | 8 μl | 0.5M K ₄ Fe(CN) ₆ | 8 μl | 0.5M MgCl ₂ | 4 μl | Xgal (0.1g/ml in DMSO) | 4 μl | PBS | 976 μl |
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