

Modified LacZ staining

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*From C.A. Ambler et. al. /Dev. Biol 257(2003) 205-219; Quail and V. Bautch (direct comm.)

Whole mount quail

1. 4% PFA for 20min RT
2. Rinse 10min x 2
3. Stain a few hours to 14-18hr 37°C dark
4. Postfix 4%PFA

Rinse:

0.1M Naphos (pH 7.3)
0.1% DOC
0.02%NP40
0.05%BSA
2mM MgCl₂

for 100ml:

14.6ml 0.5M Dibasic NaPhos & 5.4ml 0.5M Monophasic Naphos
10ml 1% DOC
1ml 2%NP40
0.5ml 10%BSA
0.2ml of 1M MgCl₂

Stain (50ml):

1mg/ml X-gal (stock 25mg/ml) - 2ml
5mM ferrocyanide (II) – 0.106gm
5mM ferricyanide (III) – 0.0823gm
0.085% NaCl – 0.8ml
in Rinse Buffer

Stocks:

0.5M Naphos monobasic (FW 137.99) = 3.5 gm in 50ml ddH₂O
0.5M Naphos Dibasic heptahydrate (FW 268) = 6.7 gm in 50ml ddH₂O