

Modified LacZ staining

A. Zovein 4/04

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

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

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