

Histochemical staining of cells transfected with LacZ constructs

Reference: EMBO(1986) 5:3133

Procedure:

1. Aspirate off media
2. Rinse 1X with PBS
3. Fix 5 min on ice
4. Rinse 3X with PBS
5. Stain at 37° until desired intensity is achieved (1-12 hrs)
6. Rinse 1X with PBS
7. Store in PBS At 4°

Solutions:

Fixative (Store at -20)

2% Formaldehyde	1.35 ml 37% formaldehyde
0.2 % glutaraldehyde	0.2 ml 25 % glutaraldehyde
	to 25 ml with ice cold PBS

Stain

Diluent: (store at -20)
50 µl 1M MgCl₂
41 mg Potassium Ferricyanide
53 mg Potassium Ferrocyanide
to 25 ml with PBS (pH 7.3)

Xgal: 20 mg/ml (store at -20)

For 7.5 ml stain (enough for 24 well plate) mix:

.375 ml Xgal + 7.2 ml diluent
Make fresh