

Materials List for:

An Ectopic Chemokine Expression Model for Testing Macrophage Recruitment In Vivo

Yunyun Jiang¹, Jiahao Chen¹, Jin Xu²

¹Department of Developmental Biology, School of Basic Medical Sciences, Southern Medical University

²Division of Cell, Developmental and Integrative Biology, School of Medicine, South China University of Technology

Correspondence to: Jin Xu at xujin@scut.edu.cn

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Materials

Name	Company	Catalog Number	Comments
Antibody			
Alexa 488-Anti-Goat antibody	Invitrogen	A11055	
Anti-Digoxigenin-HRP	perkinelmer	NEF832001EA	
Goat-Anti-GFP antibody	Abcam	ab6658	
Reagent			
CaCl ₂ · 2H ₂ O	Sigma	21097	
Cyanine 3 Plus Amplification Reagent	perkinelmer	NEL745001KT	
E2 solution			15 mM NaCl +0.5 mM KCl +1.0 mM MgSO ₄ +150 μM KH ₂ PO ₄ + 50 μM Na ₂ HPO ₄ +1.0 mM CaCl ₂ + 0.7 mM NaHCO ₃
Fetal Bovine Serum (FBS)	Life	10099-133	
Formamide	Diamond	A100314	
Glycerol	Sigma	V900860	
Heparin sodium	Sigma	H3149	
Hybridization buffer(HB)			50% formamide+ 5×SSC+9 mM sodium citrate+50 μg/ml heparin sodium+ 500 μg/mL tRNA+ 0.1% Tween20
KCl	Sigma	P5405	
KH ₂ PO ₄	Sigma	P5655	
Low melting agarose	Sigma	A9414	
Methanol	GHTECH	1.17112.023	
Methylene blue	Sigma	M9140	
MgSO ₄	Sigma	M2643	
Na ₂ HPO ₄	Sigma	S5136	
NaCl	Sigma	S5886	
NaHCO ₃	Sigma	S5761	
Paraformaldehyde (PFA)	Sigma	158127	Suspend 16 g of PFA in 400 ml of 1x PBS, heat at 60 °C to dissolve about 30 min. This solution can be prepared in advance and stored at -4 °C. Caution. Manipulate with mask.
10×PBS			14.2 g Na ₂ HPO ₄ +80 g NaCl+2 g KCl+ 2.4 g KH ₂ PO ₄ in 1L ddH ₂ O

Phenylthiourea (PTU)	Sigma	P7629	
1×Plus Amplification Diluent	perkinelmer	NEL745001KT	
Proteinase K	Fermentas	E00492	
20×Saline sodium citrate(SSC)			175.3 g NaCl+ 88.2 g sodium citrate in 1 L ddH ₂ O, PH 7.0
Sodium citrate	Sigma	A5040	
Tricaine	Sigma	E10521	
tRNA	Sigma	R6625	
Tween20	Sigma	P2287	
Plasmid			
pBLK-fabp10a-il34-sv40			For <i>Tg (fab10a:il34)</i> transgenic line generation
pBSK-il34			For <i>il34</i> probe preparation
Fish			
<i>Tg (mpeg1: GFP)</i>			Label macrophages with GFP
<i>Tg (fabp10a: DsRed)</i>			Label liver cells with DsRed
<i>Tg (fab10a:il34)</i>			Over-expression IL-34 in liver cells