

Materials List for:

Improved Visualization of Lung Metastases at Single Cell Resolution in Mice by Combined *In-situ* Perfusion of Lung Tissue and X-Gal Staining of *lacZ*-Tagged Tumor Cells

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Materials

Name	Company	Catalog Number	Comments
Narketan10 (ketamine)	Vétoquinol AG		100 mg/ml solution
Xylazine (xylazine)	Streuli Pharma AG		20 mg/ml solution
Prequilan (acepromazine)	Fatro S.p.A.		10 mg/ml solution
Bulldog Type Serrefine vascular clamp	Fine Science Tools	18051-35	curved, 35 mm
Plastic cup with lid	Semadeni	2988	25 ml cups with lids
5-Bromo-4-chloro-3-indolyl-β-D-galactoside (X-Gal); powder	Axxora	ALX-582-002-G005	dissolve in N,N-Dimethylformamide to 40 mg/ml, store light-protected at -20 °C
Basic staining solution, equilibrated to pH 7.1, stored light-protected at 4 °C for max. 1 month	self-made		100 ml/L 10xPBS, 1.64 g/L K ₃ Fe(CN) ₆ , 2.1 g/L K ₄ Fe(CN) ₆ , 2 ml/L 1M MgCl ₂ , 2 ml/L 10% NP40, 1 ml/L 10% Sodium-Deoxycholate
PolyFreeze Embedding Medium	Polysciences; swiss distributor: Brunschwig	19636-1	
Embedding mold	Polysciences	18646A-1	
Leica CM1850 cryostat	Leica Microsystems		
SuperFrost slides	Menzel	J1800AMNZ	
Nuclear-Fast Red - Aluminum sulfate solution	Division Chroma Waldeck GmbH&Co KG distributor: Medite	84-0241-00	
Immu-Mount	Thermo Electron, swiss distributor: HistoCom	9990412	

Table 1. Reagents and Equipment.