

Materials List for

Positron Emission Tomography Imaging of Cell Trafficking: A Method of Cell Radiolabeling

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Materials

Name	Company	Catalog Number	Comments
Acetonitrile	Thermo Fisher Scientific, Inc., Waltham, MA, USA	A996-4	
Alpha Minimum Essential Medium	Thermo Fisher Scientific, Inc., Waltham, MA, USA	12571063	
Anion exchange column	Macherey-Nagel, Inc., Düren, Germany	731876	Chromafix 30-PS-HCO ₃ SPE 45 mg cartridge
Conical centrifuge tubes (15 mL)	Corning Inc., Glendale, AZ, USA	352096	Falcon 15 mL high-clarity polypropylene (PP) conical centrifuge tubes
Dendritic cells	The American Type Culture Collection, Manassas, VA, USA	CRL-11904	
DFO-Bn-NCS	Macrocyclics, Inc., Plano, TX, USA	B-705	p-SCN-Bn-Deferoxamine
DMSO	Sigma-Aldrich, Inc., St. Louis, MO	276855	
Dose calibrator	Mirion Technologies (Capintec), Inc., Florham Park, NJ, USA	5130-3234	CRC -55tR Dose Calibrator
Dulbecco's modified Eagle's medium	The American Type Culture Collection, Manassas, VA, USA	30-2002	
Fetal Bovine Serum (FBS)	The American Type Culture Collection, Manassas, VA, USA	30-2020	
Hanks Balanced Salt solution (HBSS)	Thermo Fisher Scientific, Inc., Waltham, MA, USA	14025092	For preparation of H-HBSS
Hydrochloric Acid (trace metal basis grade)	Thermo Fisher Scientific, Inc., Waltham, MA, USA	A508P212	
Melanoma cells	The American Type Culture Collection, Manassas, VA, USA	CRL-6475	
Methanol	Sigma-Aldrich, Inc., St. Louis, MO	34860	
Microcentrifuge tube	Eppendorf, Hamburg, Germany	30108442	Protein LoBind microcentrifuge tube
Murine GM-CSF	R&D Systems, Inc., Minneapolis, MN USA	415-ML-010	
Penicillin/Streptomycin	Thermo Fisher Scientific, Inc., Waltham, MA, USA	15140-122	

Phosphate Buffered Saline without Ca ²⁺ and Mg ²⁺	Thermo Fisher Scientific, Inc., Waltham, MA, USA	10010023	For washing cells
Saline	Covidien LLC, Mansfield, MA, USA	1020	0.9% Sterile Saline Solution
Shaker	Eppendorf, Hamburg, Germany	T1317	Thermomixer
Silica gel-rad-TLC paper sheet	Agilent Technologies Inc., Santa Clara, CA, USA	SGI0001	iTLC-SG