

Materials List for

Far-red Fluorescent Senescence-associated β -Galactosidase Probe for Identification and Enrichment of Senescent Tumor Cells by Flow Cytometry

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jove.com/video/64176

Materials

Name	Company	Catalog Number	Comments
Bafilomycin A1	Research Products International	B40500	
Bleomycin sulfate	Cayman	13877	
Bovine serum albumin (BSA)	US Biological	A1380	
Calcein Violet 450 AM viability dye	ThermoFisher Scientific	65-0854-39	eBioscience
DPP4 antibody, PE conjugate	Biologend	137803	Clone H194-112
Cell line: A549 human lung adenocarcinoma	American Type Culture Collection	CCL-185	
Cell line: B16-F10 mouse melanoma	American Type Culture Collection	CRL-6475	
Cell scraper	Corning	3008	
Cell strainers, 100 μ m	Falcon	352360	
DDAO-Galactoside	Life Technologies	D6488	
DMEM medium 1x	Life Technologies	11960-069	
DMSO	Sigma	D2438	
DNase I	Sigma	DN25	
Doxorubicin, hydrochloride injection (USP)	Pfizer	NDC 0069-3032-20	
Doxorubicin, PEGylated liposomal (USP)	Sun Pharmaceutical	NDC 47335-049-40	
EDTA 0.5 M	Life Technologies	15575-038	
Etoposide	Cayman	12092	
FBS	Omega	FB-11	
Fc receptor blocking reagent	Biologend	101320	Anti-mouse CD16/32
Flow cytometer (cell analyzer)	Becton Dickinson (BD)	Various	LSRFortessa
Flow cytometer (cell sorter)	Becton Dickinson (BD)	Various	FACSAria
GlutaMax 100x	Life Technologies	35050061	
HEPES 1 M	Lonza	BW17737	
Liberase TL	Sigma	5401020001	Roche

Paraformaldehyde 16%	Electron Microscopy Sciences	15710	
Penicillin/Streptomycin 100x	Life Technologies	15140122	
Phosphate buffered saline (PBS) 1x	Corning	MT21031CV	Dulbecco's PBS (without calcium and magnesium)
Rainbow calibration particles, ultra kit	SpheroTech	UCRP-38-2K	3.5-3.9 μm , 2E6/mL
RPMI-1640 medium 1x	Life Technologies	11875-119	
Sodium chloride 0.9% (USP)	Baxter Healthcare Corporation	2B1324	
Software for cytometer data acquisition, "FACSDiva"	Becton Dickinson (BD)	n/a	Contact BD for license
Software for cytometer data analysis, "FlowJo"	TreeStar	n/a	Contact TreeStar for license
Trypsin-EDTA 0.25%	Life Technologies	25200-114	