

Materials List for:

Stem-cell Based Engineered Immunity Against HIV Infection in the Humanized Mouse Model

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Materials

Name	Company	Catalog Number	Comments
CD34 microbead kit	Miltenyi	130-046-702	For sorting human CD34+ progenitor cells
BamBanker	Wako	302-14681	For freezing cells
QIAamp Viral RNA kit	Qiagen	52904	For measuring viral load in the serum
MACSQuant Flow Cytometer	Miltenyi		For flow analysis
BD LSRFortessa™	BD biosciences		For flow analysis
Hyaluronidase	Sigma	H6254-500MG	For tissue digestion
Deoxyribonuclease I	Worthington	LS002006	for tissue digestion
Collagenase	Life technology	17104-019	for tissue digestion
CFX Real time PCR detection system	Biorad		For measuring viral load and gene expression
Mice, strain NOD.Cg-Prkdcscid Il2rgtm1Wjl/SzJ	The Jackson Laboratory	5557	For constructing the humanized mice
Penicillin Streptomycin (Pen Strep)	Thermo Fisher Scientific	10378016	For culturing cells
Piperacillin/tazobactam	Pfizer	Zosyn	Anti-fungal
Amphotericin B (Fungizone antimycotic)	Thermo Fisher Scientific	15290-018	Anti-fungal
Autoclip Wound Clips, 9 mm - 1,000 units	Becton Dickinson	427631	For surgery
Sterile Poly-Reinforced Aurora Surgical Gowns, 30 per case	Medline	DYNJP2707	For surgery
Sutures, 4-0, vicryl	Owens and Minor	23000J304H	For surgery
Alcohol prep pads	Owens and Minor	3583006818	For surgery
Gloves, surgical, 6 1/2	Owens and Minor	4075711102	For surgery
Yssel's Serum-Free T-Cell Medium	Gemini Bio-products	400-102	For CD34+ cell transduction
Human Serum Albumin	Sigma-Aldrich	A9511	For CD34+ cell transduction