

Materials List for:

# Humanized NOG Mice for Intravaginal HIV Exposure and Treatment of HIV Infection

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## Materials

Name	Company	Catalog Number	Comments
Blue pad	VWR	56616-031	Should be sterilized prior to use
Bovine serum albumin (BSA)	Sigma	A8022	
CD19 (clone sj25c1) PE-Cy7	BD Bioscience	557835	
CD3 (clone OKT3) FITC	Biolegend	317306	
CD3 (clone SK7) BUV395	BD Bioscience	564001	
CD34 (clone AC136) FITC	Miltenyi	130-113-740	
CD4 (clone SK3) BUV 496	BD Bioscience	564652/51	
CD45 (clone 2D1) APC	Biolegend	368511/12	
CD8 (clone RPA-T8) BV421	BD Bioscience	562428	
ddPCR Supermix for probes (no dUTP)	Bio-Rad	1863025	
DMSO	Merck	10,02,95,21,000	
DNase	Sigma	D4263	For suspension buffer
dNTP mix	Life Technologies	R0192	
Dulbeccos phosphate-buffered saline (PBS)	Biowest	L0615-500	
EasySep Human Cord Blood CD34 Positive Selection Kit II	Stemcell	17896	
EDTA	Invitrogen	15575-038	
FACS Lysing solution 10X	BD	349202	Dilute 1:10 in dH2O immediately before use
FACS tubes (Falcon 5 mL round-bottom)	Falcon	352052	
Fc Receptor blocking solution (Human TruStain FcX)	Biolegend	422302	
Fetal bovine serum	Sigma	F8192-500	
Ficoll-Paque PLUS	GE Healthcare	17144002	
Flowjo v.10			
Gauze	Mesoft	157300	Should be sterilized prior to use
Heating lamp			Custom made
Hemocytometer (Bürker-Türk)	VWR	DOWC1597418	
Isoflurane gas	Orion Pharma	9658	

LSR Fortessa X20 flow cytometer	BD		
Microcentrifuge tubes, PCR-PT approved	Sarstedt	72692405	
Mouse cART food	ssniff Spezialdiäten GmbH	Custom made product	
Mouse restrainer		Custom made product	
Needle, Microlance 3, 30G ½"	BD	304000	
NOG mice NOD.Cg-Prkdcscid Il2rgtm1Sug/JicTac	Taconic	NOG-F	
Nuclease-free water	VWR chemicals	436912C	
Nucleospin 96 Virus DNA and RNA isolation kit	Macherey-Nagel	740691	
PCR-approved microcentrifuge tubes	Sarstedt	72.692.405	
Penicillin-Streptomycin solution 100X	Biowest	L0022-100	
Phusion Hot Start II DNA polymerase	Life Technologies	F549S	
Pipette tips, sterile, ART 20P Barrier	ThermoScientific	2149P	
Proteinase K	NEB	100005398	
QuantaSoft software	Bio-Rad		
QX100 Droplet Generator	Bio-Rad	1886-3008	
QX100 Droplet Reader	Bio-Rad	186-3003	
RBC lysis solution	Biolegend	420301	
RNase-free DNase size F + reaction buffer	Macherey-Nagel	740963	
RNaseOUT Recombinant Ribonuclease inhibitor	ThermoScientific	10777-019	
RPMI	Biowest	L0501-500	Dissolve in H2O
Softject 1 mL syringe	Henke Sass Wolf	5010-200V0	
Superscript III Reverse Transcriptase	ThermoFisher Scientific	18080044	
Thermoshaker	VWR	89370-910	
Trypan blue	Sigma	T8154	
Ultrapure 0.5 EDTA, pH 8.0	ThermoFisher Scientific	15575-020	
Virkon S (virus disinfectant)	Dupont	7511	