

Materials List for:

Utilizing the Antigen Capsid-Incorporation Strategy for the Development of Adenovirus Serotype 5-Vectored Vaccine Approaches

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Materials

Name	Company	Catalog Number	Comments
1x DPBS	Thermo Scientific	SH30256.01	for cell splitting
10x DPBS	Thermo Scientific	SH30378.02	for dialysis buffer preparation
glycerol	SIGMA	G5516-1L	for dialysis buffer preparation
SDS	BIO-RAD	161-0301	for virus lysis buffer preparation
Fetal Bovine Serum (FBS)	Thermo Scientific	SH30910.03	component of culture medium
100x Non-Essential Amino Acids	Thermo Scientific	SH30238.01	component of culture medium
200 mM L-glutamine	Cellgro	25-005-CI	component of culture medium
penicillin/streptomycin solution	Cellgro	30-002-CI	component of culture medium
DMEM with high glucose	Thermo Scientific	SH30081.01	for HEK293 cell culture
Minimum Essential Medium Eagle	SIGMA	M5650	for HeLa cell culture
phenol:chloroform:isoamyl alcohol	SIGMA	P3803-100ML	for large size of DNA purification
cesium chloride	Research Products International Corp.	C68050	for virus purification
HEPES	Cellgro	25-060-CI	for CsCl solution preparation
HEK293	ATCC	51-0036	for virus rescue and upscale
HeLa	ATCC	CCL-2	for neutralization assay
T-25 flask	Thermo Scientific	156367	for cell culture
T-75 flask	CORNING	430641	for cell culture
T-175 flask	Thermo Scientific	159910	for cell culture
Ultracentrifuge	BECKMAN	NA	for virus purification
Ultracentrifuge tube	BECKMAN	344059	for virus purification
dialysis cassette	Thermo Scientific	66380	for virus dialysis
ELISA plate	Thermo Scientific	442404	for ELISA
human anti-gp41 (2F5) mAb	NIH AIDS Reagent Program	1475	for immunological assays
mouse anti-His tag mAb	GenScript	A00186	for immunological assays
SOC medium	CORNING	46-003-CR	for transformation
PCR master mix solution	QIAGEN	201445	for PCR
Animal lancet (point length at 5 mm)	MEDIpoint		for mice bleeding
Biophotometer	Eppendorf		for virus physical titer titration