

Materials List for:

Use of Retroviral-Mediated Gene Transfer to Deliver and Test Function of Chimeric Antigen Receptors in Human T-Cells

TODO TODO¹

¹TODO, TODO

URL: <http://www.jove.com/video/50931>

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Materials

Name	Company	Catalog Number	Comments
Aldesleukin	Novartis	-	Human recombinant interleukin-2
Antibiotic antimycotic solution	Sigma-Aldrich	A5955	
Butterfly needle and Luer adaptor 21G x 0.75 inches	Greiner Bio-one	450066	
Calcium phosphate transfection kit	Sigma-Aldrich	CAPHOS-1KT	
CD4-FITC conjugated	Miltenyi Biotec	130-080-501	
CD8-PC5 conjugated	Beckman Coulter	A07758	
Citrate-dextrose solution	Sigma-Aldrich	C3821	
Crystal violet	Sigma-Aldrich	C3886	
DMEM with glucose	Lonza	Lonz12-614F/12	Supplied by VWR International
DMSO	Sigma-Aldrich	D2650	Dimethylsulfoxide
Fetal bovine serum	Autogen Bioclear	-	
Fibronectin fragment (RetroNectin)	Takara BioEurope Clontech	T100B	
Ficoll-paque PLUS	GE Healthcare	17-1440-02	
Glutamax	Invitrogen	35050038	
Human AB serum (male)	Sigma-Aldrich	H4522-100ml	
Human IL-2 ELISA Ready-Set-Go	eBioscience	88-7026-88	
Human IFN-γ ELISA Ready-Set-Go	eBioscience	88-7316-88	
Methanol	Fisher Scientific	M/4000/17	
PG13 cells	European Collection of Cell Cultures		
Phosphate buffered saline	Gibco	10010-015	
Phytohemagglutinin	Sigma-Aldrich	L 2769	Phaseolus vulgaris Leukoagglutinin PHA-L
Polybrene	Sigma-Aldrich	H9268	Also known as 1,5-dimethyl-1,5-diazaundecamethylene
polymethobromide, hexadimethrine bromide or			
hexadimethrine bromide			
Puromycin	Sigma-Aldrich	P9620	
RPMI 1640 without l-glutamine	Lonza	733-1690	
Six well tissue culture-treated plates	Greiner Labortechnik	700-1425	Supplied by VWR International; part number 657160
Six well non tissue culture-treated plates	Becton Dickinson	734-0948	Supplied by VWR International; part number 351146
Streptavidin – phycoerythrin conjugated	Invitrogen Life Technologies	S866	

Syringe polypropylene 50ml with Luer Lok	Fisher Scientific	SZR-150-080U	
Tetracycline	Sigma-Aldrich	T7660	Cell culture grade; water soluble at 10mg/ml. Store as frozen aliquots
Trypan blue solution, 0.4% in phosphate buffered saline	Fisher Scientific Ltd	HYC-044-010D	
Thiazolyl blue tetrazolium bromide, 98%	Sigma-Aldrich	M2128	Used in MTT assay
Tubes – conical centrifuge tubes 50ml	PAA Laboratories	PAA50050	
Tubes – polystyrene 12x75mm 5ml with cap	Becton Dickinson	352054	
Twenty four well tissue culture treated plates	PAA Laboratories	PAA32024X	
C412 Centrifuge	Jouan	-	
FLUOstar Omega	BMT Labtech	-	MTT assay
Omega Software (version 1.20)	BMT Labtech	-	MTT assay
MARS data analysis software (version 1.20 R2)	BMT Labtech	-	MTT assay
TMS Inverted microscope	Nikon	-	Crystal violet assay
Axiovision HR camera	Axiovision	-	Crystal violet assay
Axiovert 100 Software	Zeiss	-	Crystal violet assay