

Materials List for:

# Streamlined Single Cell TCR Isolation and Generation of Retroviral Vectors for *In Vitro* and *In Vivo* Expression of Human TCRs

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URL: <https://www.jove.com/video/55379>

DOI: [doi:10.3791/55379](https://doi.org/10.3791/55379)

## Materials

Name	Company	Catalog Number	Comments
CFSE	eBioscience	65-0850-84	5 mM
anti-human CD4 (OKT4) BV421	Biolegend	317433	2 mg/mL
anti-human CD3 (OKT3) PerCP/Cy5.5	Biolegend	317336	2 mg/mL
anti-mouse CD3 AF647	Biolegend	100322	2.5 mg/mL
Recombinant RNase inhibitor biotech grd 2.5KU	VWR	97068-158	0.7 U
Applied Biosystems High capacity cDNA RT kit	Invirtogen	4368814	9 U (RT enzyme)
NF-H2O: Nuclease-free water 1000mL	Invirtogen	AM9932	
Gotaq DNA polymerase 2500U	VWR	PAM3008	1 U
96 Well Half Skirt PCR Plate	Phenix	MPX-96M2	
MicroAmp Clear Adhesive Film	ThermoFisher	4306311	
UltraPure Agarose	Invirtogen	15510-027	
SnaBI	New England Biolabs	R0130	15 U (insert) 30 U (vector)
SacII	New England Biolabs	R0157	40 U (insert) 80 U (vector)
MfeI	New England Biolabs	R3589S	40 U (insert) 80 U (vector)
BstBI	New England Biolabs	R0519	40 U (insert) 80 U (vector)
Calf Intestinal Phosphatase (CIP)	New England Biolabs	M0290S	10 U
Quick ligase	New England Biolabs	M2200S	
Wizard Plus minipreps DNA purification systems	Promega	A1460	
Wizard Plus midipreps DNA purification systems	Promega	A7640	
DNA clean & concentrator-25 kit	Genesee Scientific	11-304C	
ZR-96 DNA clean & concentrator-5 kit	Genesee Scientific	11-306A	
QIAquick gel extraction kit	Qiagen	28704	
QIAquick PCR purification kit	Qiagen	28104	
Subcloning Efficiency DH5a Competent Cells	ThermoFisher	18265017	
Transit LT-1 Reagent 1mL (transfection reagent)	Mirus	MIR2300	

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BD FACS Aria II (sorter)	BD		
BD Fortessa (flow cytometer)	BD		