

Materials List for:

Quantitative High-throughput Single-cell Cytotoxicity Assay For T Cells

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Materials

Name	Company	Catalog Number	Comments
RPMI-1640 w/o L-glutamine	Cellgro	15-040-CV	
Penicillin-streptomycin	Cellgro	30-002-CI	10,000 I.U. Penicillin 10,000 µg/ml Streptomycin
L-glutamine	Cellgro	25-005-CI	200 mM solution
HEPES	Sigma Aldrich	H3537	1M
Fetal bovine serum (FBS)	Atlanta Biologicals	S11150	Lot tested
Cell Tracker Red Stain	Invitrogen	C34552	50 µg
Vybrant DyeCycle Violet Stain	Invitrogen	V35003	5 mM
SYTOX green Nucleic Acid Stain	Invitrogen	S7020	5 mM
Annexin V-Alexa Fluor 647	Invitrogen	A23204	500 µl
Dulbecco's PBS	Cellgro	21-031-CV	500 ml
Noble agar	DIFCO	2M220	100 g
Trypan Blue	Sigma Aldrich	T8154	0.4% liquid, sterile filtered
Hemocytometer	Hausser Scientifics	1492	Bright line
4-well plate	Thermo Fisher	167603	
Harrick Plasma Cleaner	Harrick Plasma	PDC-32G	Basic plasma cleaner
Observer.Z1	ZEISS		Fluorescent microscope (works with the three parts below)
Lambda 10-3	Sutter Instrument		Filter controller
Lambda DG-4	Sutter Instrument		Ultra-High-Speed Wavelength switcher
Hamamatsu EM-CCD Camera	Hamamatsu	C9100-13	CCD-Microscope camera
15 ml conical tube	BD Falcon	352097	
50 ml conical tube	VWR	3282-345-300	
Nikon Biostation	Nikon Instruments Inc.	Biostation IM	
Glass bottom culture dish	MatTek Corporation	P35G-0	35 mm petri dish, 10 mm microwell