

Materials List for

# Measuring Caspase Activity Using a Fluorometric Assay or Flow Cytometry

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jove.com/video/64745

## Materials

Name	Company	Catalog Number	Comments
1.5 mL microfuge tubes	Sarstedt	72.706.400	
15 cm Petri plates	Sarstedt	82.1184.500	
37 degree incubator shaker	IKA shaker KS 4000i	97014-816	distributed by VWR
6-well cell culture dish	Sarstedt	83.392	
96 well flat bottom, white polystyrene, non-sterile	Sigma	CLS3600	
96 well flat plate	Sarstedt	82.1581	
Ac-DEVD-AFC	Enzo Life Sciences	ALX-260-032-M005	Caspase-3 substrate
BD Fortessa	BD		any flow cytometer with the appropriate excitation and emission detector will work
b-glycerolphosphate	Sigma	G9422-10G	
caspase-3 recombinant	Enzo Life Sciences	ALX-201-059-U025	
CHAPS	Sigma	1.11662	
DMEM, low glucose, pyruvate	Thermoscientific	31885023	
DMSO	Sigma	D8418-250ML	
EDTA	Sigma	03685-1KG	
EGTA	Sigma	324626-25GM	
Etoposide	MedChem Express	HY-13629	
FBS	Thermoscientific	26140	
Flow cytometry tubes	Falcon	352008	
Flowjo	Flowjo		A license is required but any program that can analyze .fcs files will suffice
Glycerol	Sigma	G5516-500ML	
HEPES	Sigma	H4034	
Magic Red caspase-3/7 assay kit; flow cytometry or imaging	Immunochemistry Technologies	935	
M-CSF	ebioscience	14-8983-80	now a subsidiary of Thermoscientific

M-Plex	Tecan		any fluorometric reader will work with the appropriate excitation and emission detectors
NaCl	Roth	3957.1	
PBS pH 7.4	Thermoscientific	10010023	
Penicillin-Streptomycin-Glutamine (100X)	Thermoscientific	10378016	
Pierce BCA Protein Assay Kit	ThermoFisher Scientific	23225	protein concentration assay
protease inhibitors	Biomol	P9070.100	
Smac mimetic, Compound A	Tetralogics		also known as 12911; structure shown in supplementary figures of Vince et al., Cell 2007
Sodium Fluoride	Sigma	S7920-100G	
sodium orthovanadate	Sigma	S6508-10G	
sodium pyrophosphate	Sigma	P8010-500G	
Staurosporine	MedChem Express	HY-15141	
sucrose	Sigma	1.07687	
Tris Base	Sigma	T1503-1KG	
Triton X100	Sigma	T8787-50ML	
TrypLE	Thermoscientific	A1285901	In the protocol, it is listed as Trypsin