

Materials List for:

# A Flow Cytometry-Based Cytotoxicity Assay for the Assessment of Human NK Cell Activity

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## Materials

Name	Company	Catalog Number	Comments
Phosphate-buffered Saline (1x, w/o Ca <sup>2+</sup> and Mg <sup>2+</sup> )	Corning (Cellgro)	21-040-CM	
Ficoll-Paque PLUS	GE Healthcare	17-1440-02	
Tween-20	Sigma	BP337-100	
RPMI 1640 Media	Corning (Cellgro)	10-040-CV	
Heat-inactivated Fetal Bovine Serum	Omega Scientific	FB-02	
Penicillin Streptomycin	Life Technologies	15140-163	Stock solution at 10,000 U/mL
IL-2	R&D Systems	202-IL-050	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA with BSA as a carrier protein. Reconstitute with 500 µl at 100 µg/mL in sterile 100 mM Acetic Acid containing at least 0.1% bovine serum albumin (2.1x10 <sup>6</sup> IU/ml)
K562 Cells	ATCC	CCL-243	Cancer cell line
T-75 cell culture flasks	Corning	431464	
CFSE cell proliferation kit	Life Technologies (CellTrace)	C34554	Reconstitute 1 vial with 18 µl DMSO to prepare a 5mM stock solution. Do not freeze/thaw.
Sytox Red	Life Technologies	S34859	Stock solution is provided at 5 µM in 1 mL DMSO. The DMSO solution may be subjected to multiple freeze-thaw cycles without reagent degradation.
Sodium/lithium heparin blood collection tubes	BD	02-687-95	
U-bottom 96-well plate	Corning	CLS3897	
Serological pipettes	BD Falcon		
Polystyrene round-bottom tubes (5mL)	BD Falcon	14959-5	
50 mL polypropylene conical tube	BD Falcon	352070	
15 mL polypropylene conical tube	BD Falcon	352097	
Reagent reservoir	USA Scientific	2321-2230	
Human NK cell enrichment cocktail	StemCell Technologies (RosetteSep)	15065	