

Materials List for:

Determining Optimal Cytotoxic Activity of Human Her2neu Specific CD8 T cells by Comparing the Cr51 Release Assay to the xCELLigence System

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Materials

Name	Company	Catalog Number	Comments
Ficoll-Paque Plus	GE Healthcare	17-1440-03	Used to isolate PBMCs from blood
RPMI 1640	Cellgro	10-040-CV	Cell culture media
FBS	Denville Scientific	FB5001-H	Cell culture media
Human IL-2	eBioscience	14-8029-81	For stimulating growth of T cells
Human Interferon gamma	Cell Sciences	CR2026	For stimulating MHC expression in tumor cells
HER-2/neu p369-377 peptide	Mayo Clinic peptide synthesis core	amino acid sequence KIFGSLAFL	Binds to HLA-A2
Influenza p58-66 peptide	Mayo Clinic peptide synthesis core	amino acid sequence GILGFVFTL	Binds to HLA-A2
Human CD3/CD28 Dynabeads	Invitrogen	111-61D	For non-specific T cell activation and expansion
Chromium-51	MP Biomedicals	62015	CRA labeling reagent
E-plate	 Roche Group	05469830001	For xCelligence impedance unit
Luma plate 96	PerkinElmer, Inc.	6005630	For measuring radioactivity in the Top Count NXT.
xCelligence RTCA DP Station	 Roche Applied Science	RTCA DP	Impedance unit
Top Count NXT	PerkinElmer, Inc.	C990601	Scintillation & Luminescence Counter
Fas Ligand antibody	BD Biosciences	556372	For blocking Fas-Fas ligand interactions
HLA-A2 BB7.2 antibody	BD Biosciences	551230	For blocking HLA class I
Mouse IgG2b, κ	BD Biosciences	555740	Isotype control for HLA class I
SKBR3 tumor line	ATCC	HTB-30	Adenocarcinoma
MCF7 tumor line	ATCC	HTB-22	Adenocarcinoma
HCC1419 tumor line	ATCC	CRL-2326	Primary ductal carcinoma
BT20 tumor line	ATCC	HTB-19	Carcinoma