

Materials List for:

Methods to Assess Beta Cell Death Mediated by Cytotoxic T Lymphocytes

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Materials

Name	Company	Catalog Number	Comments
Cr-51	PerkinElmer, Inc.	NEZ030500IMC	
PBS	Cellgro	21-040-60	
Tetramethyl Rhodamine Methyl Ester (TMRM)	Invitrogen	T668	
Picogreen	Invitrogen	P7581	
AI4 mimotope	mimotopes.com	amino acid sequence: YFIENYLEL	
IL-2	R&D Systems	485-MI	
DMEM	Invitrogen	11885	
FBS	Hyclone	SH30071.03	
Bovine Serum Albumin	Sigma-Aldrich	A8412	
HEPES	Cellgro	25-060-CI	
MEM Non-Essential Amino Acids	GIBCO, by Life Technologies	11140	
Penicillin/Streptomycin	Gemini Bio Products	400-109	
Phenol red-free DMEM	Sigma-Aldrich	D5303	
CO2 Incubator	Thermo Fisher Scientific, Inc.	HeraCell 150i	Kept sterile for cell culture
Biological safety cabinet	Thermo Fisher Scientific, Inc.	Forma 1440	
Disposable culture tubes, 6x50 mm Lime Glass	Fisher Scientific	14-958-A	
Gamma Counter	PerkinElmer, Inc.	Wizard 1470 Automatic Gamma Counter	
Confocal microscope	Carl Zeiss, Inc.	LSM 510 Meta Confocal	With motorized stage and live cell chamber
Pipette (1ml, 200µl, 20µl, 10µl, 2µl)	Eppendorf		
Tubes (Amber)	Fisher Scientific	50819772	
Centrifuge	Sorvall, Thermo Scientific	75004377	
Hemocytometer	Fisher Scientific	267110	
Upright Microscope	Carl Zeiss, Inc.	Axioskop40	
NOD.Cg-Rag1 ^{tm1Mom} Tg(TcrA14)1Dvs/DvsJ Mice	Jackson Laboratory	004347	
NOD.Cg-Rag1 ^{tm1Mom} Tg(TcrB14)1Dvs/DvsJ Mice	Jackson Laboratory	004348	
NOD-A14α/β F1 mice	N/A	N/A	Bred in UF animal facility