

Materials List for:

Accelerated Type 1 Diabetes Induction in Mice by Adoptive Transfer of Diabetogenic CD4+ T Cells

Gregory Berry¹, Hanspeter Waldner¹

¹Department of Microbiology & Immunology, Pennsylvania State University College of Medicine

Correspondence to: Hanspeter Waldner at huw10@psu.edu

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Materials

Name	Company	Catalog Number	Comments
BDC 2.5 TCR transgenic NOD mice (NOD.Cg-Tg(Tcr α BDC 2.5, Tcr β BDC 2.5)	JAX	004460	
NOD.SCID mice (NOD.CB17-Prkdc ^{scid} /J)	JAX	001303	
Dulbecco's Modified Eagle's Medium (DMEM)	Thermo Scientific	SH30022.01	
Bayer Diastix	Fisher Scientific	AM2803	
15 ml conical tubes	Falcon	352095	
50 ml conical tubes	Falcon	352070	
Sterile surgical tweezers			
Sterile small pair scissors			
Sterile large pair scissors			
70 μ m cell strainers	Fisher Scientific	22363548	
35 μ m cell strainer cap tubes	BD Biosciences	352235	
Ammonium-Chloride-Potassium (ACK) buffer			0.15 M NH ₄ Cl, 1 mM KHCO ₃ , 0.1 mM Na ₂ EDTA, pH 7.2 in dH ₂ O
BD FACSTowTM sheath fluid	BD Biosciences	342003	
FACS staining buffer			PBS, 0.2 mM EDTA, 0.5% BSA/ FCS, filter sterilized
Phase contrast microscope			
Trypan blue			
Hemocytometer			
Anti-CD4 (APC) mAb	Biologend	1005616	clone RM4-5
Anti-TCR V β 4 (FITC) mAb	BD Biosciences	553365	clone KT4
Anti-CD62L (PE) mAb	BD Biosciences	553151	clone MEL-14
Cell sorter	BD Biosciences		e.g. BD FACSAria III
Heat lamp			
Mouse restrainer			
1 ml syringes	Becton Dickinson	309602	
18-1½ gauge needles (sterile)	Becton Dickinson	305196	
27½ gauge needles (sterile)	Becton Dickinson	305109	