

Materials List for:

Novel Protocol for Generating Physiologic Immunogenic Dendritic Cells

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Materials

Name	Company	Catalog Number	Comments
8-MOP (UVADEX 20ug/mL, 10 mL)	Therakos, Inc	Rx only, NDC No. 64067-0216-01	Protocol steps 3 and 8 - mouse and human 8-MOP/UVA treatment of cells
AB serum	Lonza BioWhittaker	14-498E	Protocol step 8.5 - overnight culture of human PBMC
ACK red cell lysis buffer	Lonza BioWhittaker	10-548E	Protocol step 2 - mouse PBMC preparation
Anesthesia Tabletop V1 system with active scavenging	VetEquip	901820	Protocol steps 1 and 7 - mouse sc tumor introduction and TI administration
Autologous mouse plasma	prepare in lab	n/a	Prepare per protocol step 2.4, use in 7.1 - mouse TI treatment administration
Autologous mouse serum	prepare in lab	n/a	Prepare per protocol step 5, use in step 6.1 - overnight culture of mouse PBMC
C57Bl/6J mice	Jackson labs	0000664	Protocol steps 1, 2, 5 and 7 - mouse tumor injection, blood/serum collection, and therapy return
Cheek bleed GoldenRod lancet, 5 um	Medipoint	9891620	Protocol step 2 - mouse PBMC preparation
Clear RPMI	Gibco by LifeTech	11835-030	Protocol steps 6 and 8 - overnight culture of mouse/human PBMC
DMEM/F12	Gibco by LifeTech	11330-032	Protocol steps 1 and 2 - YUMM1.7 cell culture
EasyGrip Petri Dishes, 35mm	Falcon	351008	Protocol steps 5 and 8 - overnight culture of mouse/human PBMC
Eppendorf 1.5mL conical tubes	DOT scientific	1700-GMT	Protocol steps 1-8
FBS (fetal bovine serum, heat-inactivated)	SAFC Biosciences	12306C-500mL	Protocol steps 1-4 - YUMM1.7 cell culture, 8-MOP/UVA treatment of cells, TI plate
Hemavet 950FS hematology counter	Drew Scientific	HV950FS	Protocol step 8.2 - monitoring human platelet numbers
Heparin 5,000U/mL	McKesson Packaging services	949512	Protocol steps 2 and 8 - mouse and human PBMC preparation
Isoflurane	Abbott Laboratories	5260-04-05	Protocol steps 1 and 7 - mouse sc tumor introduction and TI administration

Lympholyte M lymphocyte isolation medium	Cedarlane Labs	CL5035	Protocol step 2 - mouse PBMC preparation
Non-essential amino acids	Gibco by LifeTech	11140-050	Protocol steps 1 and 2 - YUMM1.7 cell culture
PBS (1x DPBS, (-) Ca+2, (-) Mg+2)	Gibco by LifeTech	14190-144	Protocol steps 1-7
Pen/strep	Gibco by LifeTech	15140-122	Protocol steps 1 and 2 - YUMM1.7 cell culture
Polypropylene 15mL conical tubes	Falcon	352097	Protocol steps 1-8
Programmable 2-channel syringe pump	New Era Pump Systems Inc	model NE-4000	Protocol steps 4 and 8 - running the TI plate
Retro-orbital injection needles, 27G x 1/2	BD Biosciences	305109	Protocol step 7 - mouse TI treatment administration
Syringes, 10mL (LUER-LokTip)	BD Biosciences	309604	Protocol steps 4, 8 - running the TI plate
Syringes, 1mL (Slip tip)	BD Biosciences	309659	Protocol steps 1, 4, 7, 8
TI plate and tubing set	Transimmune AG	not commercially available	Please contact Prof. R. Edelson or Transimmune in order to obtain the device on a collaborative basis.
TI plate running platform	Transimmune AG	not commercially available	Please contact Prof. R. Edelson or Transimmune in order to obtain the device on a collaborative basis.
Tissue culture flasks, T75 (75 cm ²)	Falcon	353136	Protocol steps 1, 2, 6 and 8 - mouse and human cell culture
Tissue culture plates, 12-well	Falcon	353043	Protocol steps 3 and 8 - mouse and human 8-MOP/UVA treatment of cells
Tissue culture scrapers	Falcon	353085	Protocol steps 6 and 8 - overnight culture of mouse/human PBMC
Trypsin-EDTA 0.25% (1x)	Gibco by LifeTech	25200-056	Protocol steps 1 and 2 - YUMM1.7 cell culture
Tumor injection needles, 25G x 5/8	BD Biosciences	305122	Protocol step 1 - mouse subcutaneous tumor introduction
UVA irradiator	Johnson and Johnson	not commercially available	The apparatus was specifically developed by J&J for Prof. R. Edelson's laboratory. Several machines are available in the laboratory on a collaborative basis; please contact Prof. R. Edelson for use of one. Alternative UVA irradiators are commercially available but have not been tested by us.
Invitrogen EVOS FL Auto 2 Imaging System	Invitrogen		fluorescence imaging instrument