

Materials List for:

A Semi-automated Approach to Preparing Antibody Cocktails for Immunophenotypic Analysis of Human Peripheral Blood

Yoshinobu Koguchi¹, Iliana L. Gonzalez¹, Tanisha L. Meeuwssen¹, William L. Miller¹, Daniel P. Haley^{1,2}, Alice N. Tanibata-Branham³, Keith S. Bahjat^{1,4}

¹Human Immune Monitoring Laboratory, Earle A. Chiles Research Institute, Providence Cancer Center, Providence Portland Medical Center

²Sony Biotechnology

³Beckman Coulter, Inc. Life Sciences

⁴Bristol-Myers Squibb

Correspondence to: Yoshinobu Koguchi at Yoshinobu.Koguchi@providence.org, Keith S. Bahjat at keith.bahjat@bms.com

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Materials

Name	Company	Catalog Number	Comments
BD LSRT Fortessa	BD Biosciences		Flow cytometer
NXp Span-8 Laboratory Automation Workstation	Beckman Coulter	A31839	Laboratory Automation Workstation
Insert, Tube, 11 mm, White, for 1.5 ml Microfuge Tubes (case of 25)	Beckman Coulter	373696	Accessory for 24-Position Tube Rack to accommodate microfuge tubes.
LLS kit	Beckman Coulter	719262	Attach bottom of the deck in Laboratory Automation Workstation to enable liquid level sensing
24-Position Tube Rack	Beckman Coulter	373661	Tube rack to hold microfuge tubes for antibody cocktails or blood
BIOHAZARD AUTOCLAVE BAGS 12 x 24 INCHES RED	LabMart	M111416	Disposable autoclave bags for the Laboratory Automation Workstation
VisionMate High Speed 2D Barcode Reader	Thermo Scientific	AB-1850	2D barcode reader
8-Channel Handheld Screw Cap Capper/Decapper	Thermo Scientific	4105MAT	For de-capping and capping 2D barcode tubes
Microcentrifuge tubes	Fisher Scientific	02-681-335	For making cocktail in or supplying blood specimen to the Laboratory Automation Workstation
CoolRack XT CFT24	biocision	BCS-534	To hold sample tubes.
1.0 ml Matrix ScrewTop Amber Tubes in Latch Racks	Thermo Scientific	3741AMB	2D barcode tubes to store fluorescent dye-cojugated antibodies
Biomek Span-8 P1000 Tips, Conductive, Pre-sterile with Barrier, 1,025 µl	Beckman Coulter	987925	Tips for Laboratory Automation Workstation
Biomek Span-8 P50 Tips, Conductive, Pre-sterile with Barrier, 50 µl (Case of 10 racks)	Beckman Coulter	B01091	Tips for Laboratory Automation Workstation
Biomek Span-8 P250 Tips, Conductive, Pre-sterile with Barrier (Case of 10 racks)	Beckman Coulter	394627	Tips for Laboratory Automation Workstation
BD FACS Lysing Solution 10x Concentrate	BD Biosciences	349202	RBC lysis
Falcon Round-Bottom Polystyrene Tubes	Fisher Scientific	14-959-5	Sample tubes
Anti-CD45 FITC	BD Biosciences	347463	Effector T cell panel (base)

Anti-CD3 Alexa Fluor 700	eBioscience	56-0038-42	Effector T cell panel (base)
Anti-CD4 PerCPCy5.5	BD Biosciences	341654	Effector T cell panel (base)
Anti-TCRgd BV650	BD Biosciences	564156	Effector T cell panel (base)
Anti-TCRab BV786	BD Biosciences	563825	Effector T cell panel (base)
Anti-CD8 APC-H7	BD Biosciences	560179	Effector T cell panel (base)
Anti-CCR7 PE-CF594	BD Biosciences	562381	Effector T cell panel (base)
Anti-CD45RA PE-Cy7	BD Biosciences	337167	Effector T cell panel (base)
Anti-HLA-DR BV421	BD Biosciences	562804	Effector T cell panel (activation)
Anti-CD278(ICOS) PE	BD Biosciences	557802	Effector T cell panel (activation)
Anti-CD38 APC	BD Biosciences	340439	Effector T cell panel (activation)
Anti-CD279(PD1) BV421	BD Biosciences	562516	Effector T cell panel (activation)
Anti-CD357(GITR) PE	eBioscience	12-5875-42	Effector T cell panel (activation)
Anti-CD137(41BB) APC	BD Biosciences	550890	Effector T cell panel (activation)
Anti-CD69 BV421	BD Biosciences	562884	Effector T cell panel (activation)
Anti-CD314(NKG2D) PE	BD Biosciences	557940	Effector T cell panel (activation)
Anti-CD134(OX40) APC	BioLegend	350008	Effector T cell panel (activation)
BD Vacutainer Plastic Blood Collection Tubes with Sodium Heparin: Conventional Stopper	Fisher Scientific	02-689-6	For collecting blood
Albumin, Bovine Serum, Fraction V, RIA and ELISA Grade	EMD Millipore	126593	For flow wash buffer
Sodium Azide	Sigma-Aldrich	S8032	For flow wash buffer
Heparin, sodium salt	Affimetrix	16920	For flow wash buffer
Hank's Balanced Salt Solution (HBSS), 1x, with Calcium, Magnesium, without Phenol Red	GE Healthcare Life Sciences	SH30588.02	For flow wash buffer