

Flow Cytometry Immunophenotyping panels & tubes

Panel Name	Tube	Cocktail Vol/Test	FITC	PE	ECD	PCP5.5	PC7	APC	AF700	H7	BV421/ V450/PB	BV510	BV605
B Screen (8 CDs)	B1 (10C)	80 uL	Lambda	Kappa	----	3	19	5	45	----	20	10	----
B cell L/L (16 CDs)	B1 (10C)	80 uL	Lambda	Kappa	----	3	19	5	45	----	20	10	----
	B2 (10C)	80 uL	23	103	----	79b	19	22 & 2	45	43	20	200	38
Hairy Cell Diagnostic (19 CDs)	B1 (10C)	80 uL	Lambda	Kappa	----	3	19	5	45	----	20	10	----
	B2 (10C)	80 uL	23	103	----	79b	19	22 & 2	45	43	20	200	38
	B3 (10C)	---	11c	103	----	----	25	22	45	----	123	----	----
CD4/CD8 T Subsets	CD4	10 uL	3 ←	8	----	45 (PCP)	----	4 →	----	----	----	----	----
TBNK Lymph Subsets	TBNK	10 uL	3 ←	56+16	----	45 (PCP)	4	19 →	8 (APCCy7)	----	----	----	----
T cell L/L (19 CDs)	T1	33 uL	3 ←	56+16 →	----	4	2	8	45	----	----	----	----
	T2	29 uL	5	10	----	4	7	19	45	3 (APC-AF750)	----	----	----
	T3	41 uL	TCR ab	TCR gd	25	34	3	1a	45	DR	----	----	----
	T4	29 uL	57	16	----	8	2	56	45	3 (APC-AF750)	----	----	----
T & B (13 CDs)	B1 (10C)	80 uL	Lambda	Kappa	----	3	19	5	45	----	20	10	----
	T1	33 uL	3 ←	56+16 →	----	4	2	8	45	----	----	----	----
	T2	29 uL	5	10	----	4	7	19	45	3 (APC-AF750)	----	----	----
PNH (7 CDs)	WPNH	14 uL	FLAER (AF488)	157	----	15	----	64	45	----	----	----	----
	RPNH	4 uL	235a	59	----	----	----	----	----	----	----	----	----
Hairy Cell Residual (10 CDs)	B1	24 uL	19	Lambda	----	----	2	Kappa	45	20	----	----	----
	B5	---	11c	103	25	----	----	22	45	----	----	----	----

Panel Name	Tube	Cocktail Vol/Test	FITC	PE	ECD	PCP5.5	PC7	APC	AF700	H7	BV421/ V450/PB	BV510	BV605
Acute Leuk (28 CDs)	A1	20 uL	58	34	---	38	10	19	45	9	---	---	---
	A2	29 uL	66c	34	---	19	10	22	45	20	---	---	---
	A3	49 uL	65	117	---	33	13	34	45	DR	---	---	---
	A4	27 uL	15	34	---	56	117	11b	45	64 (APC-AF750)	---	---	---
	A5	30 uL	38	371	---	34	117	123	45	14	---	---	---
	A6	29 uL	235a	117	---	34	7	2	45	38	---	---	---
	A7	6 uL	---	MPO(cy)	---	79a(cy)	34	TdT(n)	45	---	---	---	---
Acute Leuk PB (11 CDs)	ALPB	PBE + DR	13	117	19	33	10	34	45	DR	---	---	---
	A7	6 uL	---	MPO(cy)	---	79a(cy)	34	TdT(n)	45	---	---	---	---
Plasma Cell (10 CDs)	P1	14 uL	38	L(cy)	---	56	19	K(cy)	45	20	---	---	---
	P2		G(cy)	19	---	38	---	---	45	---	---	---	
	P3		A(cy)	M(cy)	---	38	---	19	45	---	---	---	
Cytoplasmic Light Chains	B1c (10C)	3.25 uL-surf 3.0 uL-cyto	L(cy)	K(cy)	---	---	19	---	45	---	20	---	---
Cytoplasmic CD3	T5		3(cy)	34	---	3	---	79b	45	---	---	---	---
Precursor Blast Enumeration	PBE	46 uL	13	117	19	33	10	34	45	---	---	---	---
B Cell Enumeration	BCE	14 uL	19	---	---	---	2	---	45	20	---	---	---
Fetal Hgb	FH		FH	---	---	---	---	---	---	---	---	---	---
BAL CD4/CD8	BAL		3	---	---	4	---	8	45	---	---	---	---
Cytokeratin	CK		CK(cy)	---	---	19	---	56	45	---	---	---	---

Notes:
 B cytoplasmic light chains – 1.5 uL PC cytoplasmic L.C. & H.C – 1 uL
 Tube color Lysis Method: brown= FACSLyse; black= NH₄Cl; red= Fix and Perm; green = see procedure for lysis technique; CP test: No path interp.
 Pre-cocktailed components ←→