

Hematological Test Menu

Disease	Gene Rearrangement								Translocation			Mutations				
	Recommended Primary Test	Recommended Secondary Test	IGH (V _H -J _H)	IGH (D _H -J _H)	IGK	IGL	IGHV SHM	TRB	TRD	TRG	IGH-BCL1 (CCND1)	IGH-BCL2	BCR-ABL1*	PML-RARα*	FLT3	NPM1
Marginal Zone Lymphoma (MZL), extranodal ^{12,13,27}			88%	58%	84%	29%		23%	10%	16%						
Marginal Zone Lymphoma (MZL), nodal ¹³			100%	30%	80%	30%		10%	20%	10%						
Mantle Cell Lymphoma (MCL) ^{2,6,7,12,13,27,37}			100%	11%	100%	44%	*	9%	4%	11%	75%					
Follicular Lymphoma (FL) ^{3,7,12,13,27,28}			84%	19%	84%	21%		6%	5%	2%				90%		
Diffuse Large B-cell Lymphoma (DLBCL) ^{3,12,13,27}			80%	30%	80%	28%		21%	14%	15%				30%		
Multiple Myeloma (MM) and other Plasma Cell Neoplasms (PCN) ^{2,9,10,20,25}			84%	60%	57%	97%								20%		
Chronic Lymphocytic Leukemia (CLL) ^{11,12,13,15,23,27,35}			100%	43%	100%	30%	*	25%	12%	18%						
B-cell Acute Lymphoblastic Leukemia (B-ALL) ^{4,12,14,19,21,22,27,29,30,31,32,33,34}			96%	57%	95%	20%		81%	86%	75%				30%		
Suspect B-cell Proliferations ^{12,26,27,33}			93%	93%	90%	40%		20%		20%						
Peripheral T-cell Lymphoma (PTCL) ^{12,13,14,24}			35%	4%		2%		98%		94%						
T-cell Acute Lymphoblastic Leukemia (T-ALL) ^{12,14,21,22,29,31}			24%	25%	4%			92%	68%	95%						
Angioimmunoblastic T-cell Lymphoma (AITL) ^{12,13,14}			19%	11%	30%	5%		99%	35%	92%						
Adult T-cell Leukemia/Lymphoma ³⁹								97%		96%						
Anaplastic Large-Cell Lymphoma (ALCL) ^{12,13,14}								74%	12%	74%						
T-cell Prolymphocytic Leukemia (T-PLL) ^{12,13,14}			3%	3%	3%	3%		100%	6%	94%						
T-cell Large Granular Lymphocytic Leukemia (T-LGL Leukemia) ^{12,13,14}					4%	4%		97%	29%	96%						
Suspect T-Cell Proliferations ^{12,26,40}			10%		10%			90%	11%	90%						
Acute Myeloid Leukemia (AML) ^{8,16}														33%	64%	
Acute Promyelocytic Leukemia (APL) ^{1,5,16,17}														90%		
Chronic Myeloid Leukemia (CML) ^{7,18,19,21,38}														87%		
Myeloproliferative Neoplasms (MPNs) ³⁸														10%		

Note: The percentage of samples within a given disease category were detected using each gene target. Percentages indicate the highest referenced value.

PCR-based Ig/TCR Profiles with Combined Target Prevalence²⁶

	n =	<i>IGH</i> (V _H -J _H)	<i>IGK</i>	<i>IGH +</i> <i>IGK</i>	<i>TCRB</i>	<i>TCRG</i>	<i>TCRB +</i> <i>TCRG</i>
MCL	54	100%	100%	100%	9%	11%	NE
CLL/SLL	56	100%	100%	100%	25%	18%	NE
FL	109	86%	84%	100%	6%	2%	NE
MZL*	41	95%	83%	100%	24%	15%	NE
DLBCL	109	85%	80%	98%	21%	15%	NE
T-PLL	33	9%	3%	NE	100%	94%	100%
T-LGL	28	0%	4%	NE	96%	96%	100%
PTCL-NOS	47	9%	2%	NE	98%	94%	100%
AIT	37	30%	19%	NE	89%	92%	95%
ALCL†	43	2%	0%	NE	74%‡	74%‡	79%‡

*MZL comprises both extranodal (31) and nodal (10) cases.

†The lower percentages in ALCL are partly caused by a series of nine null-type ALCL without any TCR gene rearrangements.

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