

FISH PROBE LIST BY CHROMOSOME

Hematologies, Inc.

	PROBE NAME	LOCATION (COLOR)	PANEL	PARAFFIN
CHROMOSOME 1	CKS1B,CDKN2C	1q21.3(R)/1p32.3(G)	MM	
	PBX1/TCF3(E2A)	1q23.3(R)/19p13.3(G)	B-ALL ped	
	ABL2	1q25.2(R/G)	B-ALL, B-ALL ped	
	TNFRSF14,ABL2	1p36.32(R)/1q25.2(G)	Pediatric-type follicular lymphoma (PTFL)	
CHROMOSOME 2	ALK	2p23(R/G)	T-cell lymphoma	
CHROMOSOME 3	BCL6	3q27.3(R/G)	B-NHL, HGBCL (DHL)	x
	MECOM(EVI1)	3q26.2(R/G/A)	AML ped, AML supplemental	
	D3Z1 + D15Z4	3p11.1-3q11.1(R) + 15p11.1-15q11.1(G)	MM	
CHROMOSOME 4	IGH/FGFR3	4p16.3(R)/14q32.3(G)	MM	
	FIP1L1/CHIC2/PDGFR	4q12(G/R/G)	Eosinophilia/MPN	
	D4Z1 + D10Z1	4p11.1-4q11.1(R) + 10p11.1-10q11.1(G)	B-ALL ped	
CHROMOSOME 5	Del(5q) (EGR1)	5p15.31(G)/5q31.2(R)	MDS, AML special	
	PDGFRB	5q32(R/G)	Eosinophilia/MPN, B-ALL ped	
CHROMOSOME 6	MYB,D6Z1	6q23.3(R)/6p11.1-q11.1(G)	T-cell lymphoma, CLL	
	IGH/CCND3	6p21(R)/14q32.3(G)	Reflex MM	
	DEK/NUP214	6p22.3(G)/9q34.12-q34.13(R)	AML ped, AML supplemental	
	IRF4/DUSP22	6p25(R/G)	Large B-cell lymphoma ALK-negative anaplastic large cell lymphoma	
CHROMOSOME 7	Del(7q)	7q22(R)/7q31(G)	MDS, AML, AML ped	
	TCRB (for TRB)	7q34(R/G)	T-cell lymphoma, T-ALL	
CHROMOSOME 8	Del(20q) + D8Z2	20q12(R)/20q13.12(G) + 8p11.1-q11.1(A)	MDS, AML	
	RUNX1/RUNX1T1(AML1/ETO)	8q21.3(G)/21q22.12(R)	AML, AML ped	
	IGH/MYC	8q24.21(R)/14q32.3(G)	Burkitt, HGBCL, B-ALL, B-ALL ped, Reflex MM	x
	MYC	8q24.21(R/G)	Burkitt, HGBCL	x
	FGFR1/D8Z2	8p11.23-p11.22(R/G)/8p11.1-q11.1(A)	Eosinophilia/MPN	
CHROMOSOME 9	CDKN2A(TP16),D9Z3	9p21.3(R)/9q12(G)	B-ALL, B-ALL ped, T-ALL	
	JAK2	9p24.1(R/G)	Ph-like B-ALL, Eosinophilia/MPN	
	BCR/ABL1,ASS1	22q11.22-q11.23(G)/9q34.11-q34.12(R)/ 9q34.11-q34.12(A)	CML, B-ALL, B-ALL ped, T-ALL, Eosinophilia/MPN, AML supplemental	
	KMT2A/MLLT3(MLL/AF9)	11q23(R)/9p21(G)	AML individual request	
	DEK/NUP214	6p22.3(G)/9q34.12-q34.13(R)	AML ped, AML supplemental	
	ABL1	9q34(R/G)	B-ALL, B-ALL ped	

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CHROMOSOME 10	D4Z1 + D10Z1	4p11.1-4q11.1(R) + 10p11.1-10q11.1(G)	B-ALL ped	
	KMT2A/MLLT10(MLL/AF10)	11q23(R)/10p12.31(G)	AML individual request	
CHROMOSOME 11	IGH/CCND1(BCL1)	11q13(R)/14q32.3(G)	Mantle cell lymphoma MM, B-NHL, CLL	x
	KMT2A(MLL)	11q23.3(R/G)	AML, B-ALL, B-ALL ped, T-ALL	
	CEP164,ETS1,FGF19	11q23.3(R)/11q24.3(G)/11q13.3(A)	Burkitt-like Lymphoma with 11q aberration	
	NUP98	11p15(R/G)	AML ped, AML special, AML supplemental	
	KMT2A/MLLT3(MLL/AF9)	11q23(R)/9p21(G)	AML individual request	
	KMT2A/MLLT10(MLL/AF10)	11q23(R)/10p12.31(G)	AML individual request	
	ATM,TP53	11q22.3(G)/17p13.1(R)	CLL	
CHROMOSOME 12	ETV6/RUNX1(TEL/AML1)	12p13.2(R)/21q22.12(G)	B-ALL, B-ALL ped	
	ETV6	12p13.2(R/G)	B-ALL individual request	
	D13S319,13q34 + D12Z3	13q14.2(R)/13q34(G) + 12p11.1-q11.1(A)	CLL	
CHROMOSOME 13	D13S319,13q34 + D12Z3	13q14.2(R)/13q34(G) + 12p11.1-q11.1(A)	CLL	
	13q14.2,13q34	13q14.2(R)/13q34(G)	MM individual request	
CHROMOSOME 14	TCRAD(for TRA & TRD)	14q11.2(R/G)	T-cell lymphoma,T-ALL	
	IGH	14q32.3(R/G)	MM, Ph-like B-ALL	
	IGH/FGFR3	4p16.3(R)/14q32.3(G)	MM	
	IGH/CCND3	6p21(R)/14q32.3(G)	Reflex MM	
	IGH/CCND1(BCL1)	11q13(R)/14q32.3(G)	Mantle cell lymphoma MM, B-NHL, CLL	x
	IGH/MYC	8q24.21(R)/14q32.3(G)	Burkitt, HGBCL, B-ALL, B-ALL ped, Reflex MM	x
	IGH/MAF	14q32.3(G)/16q23(R)	Reflex MM	
	IGH/BCL2	14q32.3(G)/18q21(R)	B-NHL, HGBCL (DHL)	x
CHROMOSOME 15	IGH/MAFB	14q32.3(G)/20q12(R)	Reflex MM	
	PML/RARA	15q24.1(R)/17q21(G)	AML, AML ped, APL,	
CHROMOSOME 16	D3Z1 + D15Z4	3p11.1-3q11.1(R) + 15p11.1-15q11.1(G)	MM	
	CBFB/MYH11	16q22.1(R)/16p13.11(G)	AML, AML ped	
CHROMOSOME 17	CBFA2T3/GLIS2	16q24.3(R)/16p13.3(G)	AML individual request	
	IGH/MAF	14q32.3(G)/16q23(R)	Reflex MM	
CHROMOSOME 17	ATM,TP53	11q22.3(G)/17p13.1(R)	CLL	
	TP53(P53),D17Z1	17p13.1(R)/17p11.1-q11.1(G)	MDS, MM	
	PML/RARA	15q24.1(R)/17q21.1-q21.2(G)	AML, AML ped, APL	
	RARA	17q21(R/G)	APL individual request	

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CHROMOSOME 18	MALT1	18q21.31-q21.32(R/G)	B-NHL	x
	IGH/BCL2	14q32.3(G)/18q21(R)	B-NHL, HGBCL (DHL)	x
	BCL2	18q21.33-q22.1(R/G)	HGBCL (DHL)	x
CHROMOSOME 19	PBX1/TCF3(E2A)	1q23.3(R)/19p13.3(G)	B-ALL ped	
	TCF3(E2A)	19p13.3(R/G)	B-ALL individual request	
	EPOR	19p13.2(R/G)	Ph-like B-ALL	
CHROMOSOME 20	IGH/MAFB	14q32.3(G)/20q12(R)	Reflex MM	
	Del(20q) + D8Z2	20q12(R)/20q13.12(G) + 8p11.1-q11.1(A)	MDS, AML	
CHROMOSOME 21	RUNX1/RUNX1T1(AML1/ETO)	8q21.3(G)/21q22.12(R)	AML, AML ped	
	ETV6/RUNX1(TEL/AML1)	12p13.2(R)/21q22.12(G)	B-ALL, B-ALL ped	
CHROMOSOME 22	BCR/ABL1,ASS1	22q11.22-q11.23(G)/9q34.11-q34.12(R)/ 9q34.11-q34.12(A)	CML, B-ALL, B-ALL ped, T-ALL Eosinophilia/MPN, AML supplemental	
CHROMOSOME XY	CRLF2	Xp22.33/Yp11.32(R/G)	Ph-like B-ALL	