

Form containing sections: PATIENT INFORMATION, CLIENT INFORMATION, INSURANCE BILLING INFORMATION, DIAGNOSIS CODE (REQUIRED), ADDITIONAL CLINICAL INFORMATION, AVAILABLE MOLECULAR AND BIOMARKER TESTING WITH INTERPRETATION (including Next-Generation Sequencing, Endometrial/GYN, Gastrointestinal Stromal Tumor, etc.), and ORDERING PHYSICIAN CONTACT.

## FISH Panels

PANEL NAME	Probes included		Accepted Specimen Sources			
	QTY	Target Locations	Blood	Bone Marrow	FFPET	Cell Block*
Aggressive B-Cell Lymphoma	4	BCL2, BCL6, MYC, IGH::MYC	x	x	x	
Acute Myeloid Leukemia	4	PML::RARA, RUNX1::RUNX1T1, CBFB::MYH11, MLL	x	x		
B Lymphoblastic Leukemia	6	BCR::ABL, CRLF2, CRLF2::IGH, ETV6::RUNX1, MLL, Trisomy 4/10	x	x		
CLL	3	CLL1, CLL2, IGH::CCND1	x			
Cutaneous Melanoma	5	RREB1, CCND1, MYB, MYC, CDKN2A			x	
Glioma	3	1p36, 19q13, EGFR			x	
Myelodysplastic Syndrome	3	5q, 7q, 20q, CEP 8	x	x		
Myeloproliferative Neoplasms	4	BCR::ABL, PDGFRA, PDGFRB, FGFR1	x	x		
Plasma Cell Myeloma	5**	RB1/TP53, CKS1B/CDKN2C, CEP 9/CEP 15, IGH, IGH::CCND1 **Reflex to IGH::MMSET and IGH::MAF if indicated.*		x		
UroVysion	4	CEP 3, CEP 7, CEP 17, 9p21	Thin prep slide			

\*Must be formalin fixed. Alcohol fixed cell blocks will be rejected.

## FISH Single Target

PROBE NAME	Chromosomal / Target Location	Blood	Bone Marrow	FFPET	Cell Block*	Thin Prep Slide
1p	1p36			x		
5q	5p15/5q31	x	x			
7q	CEP7/7q31	x	x			
19q	19q13			x		
20q	20q12 <i>Only offered with CEP 8</i>	x	x			
ALK for NSCLC	2p23			x	x	x
BCL2	18q21	x	x	x		
BCL6	3q27	x	x	x		
BCRABL	t(9;22)(q34;q11.2)	x	x			
BIRC3::MALT	t(11;18)(q22;q21)			x		
CBFB::MYH11	16q22-Inversion 16	x	x			
CDKN2A	9p21 <i>Only offered as part of Cutaneous Melanoma &amp; UroVysion Panels</i>			x		x
CCND1	11q13	x	x	x		
CEP 3	Centromere of chromosome 3 <i>Only offered as part of UroVysion Panel</i>					x
CEP 4	Centromere of chromosome 4 <i>Only offered with CEP 10</i>	x	x			
CEP 7	Centromere of chromosome 7 <i>Only offered as part of UroVysion Panel</i>					x
CEP 8	Centromere of chromosome 8 <i>Only offered with 20q</i>	x	x			
CEP 9	Centromere of chromosome 9 <i>Only offered as part of Plasma Cell Myeloma Panel</i>		x			
CEP 10	Centromere of chromosome 10 <i>Only offered with CEP 4</i>	x	x			
CEP 15	Centromere of chromosome 15 <i>Only offered as part of Plasma Cell Myeloma Panel</i>		x			
CEP 17	Centromere of chromosome 17 <i>Only offered as part of UroVysion Panel</i>					x

PROBE NAME	Chromosomal / Target Location	Blood	Bone Marrow	FFPET	Cell Block*	Thin Prep Slide
CEP X	Centromere of X chromosome <i>Only offered with CEP Y (DXY3)</i>	x				
CEP Y (DXY3)	Centromere of Y chromosome <i>Only offered with CEP X</i>	x				
CEP Y (DZY1)	Yqh of Y Chromosome	x				
CHOP/DDIT3	12q13			x		
CKS1B/CDKN2C	1p31,1q21 <i>Only offered as part of Plasma Cell Myeloma Panel</i>		x			
CLL1	17p13,11q22 <i>Only offered as part of CLL Panel</i>	x	x			
CLL2	D13S319/CEP 12/13q24 <i>Only offered as part of CLL Panel</i>	x	x			
EGFR	7p11.2			x		
ETV6::RUNX1	t(12;21)(p13;q22)	x	x			
EWSR1	22q12			x		
FGFR1	8p12	x	x			
FOXO1	13q14			x		
FUS	16p11.2			x		
HER2	17q12			x		
IGH	14q23	x	x	x		
IGH::BCL2	t(14;18)(q32;q21)	x	x	x		
IGH::CCND1	t(11;14)(q13;q32)	x	x	x		
IGH::MAF	t(14;16)(q32;q23) <i>Only offered as part of Plasma Cell Myeloma Panel</i>		x			
IGH::MMSET	t(4;14)(p16q32) <i>Only offered as part of Plasma Cell Myeloma Panel</i>		x			
IGH::MYC	t(8;14)(q24;q32)	x	x	x		
MALT1	18q21			x		
MDM2	12q15			x		
MLL	11q23	x	x			
MYB	6q23 <i>Only offered as part of Cutaneous Melanoma Panel</i>			x		
MYC-Break apart	8q24	x	x	x		
MYC-Amplification	8q24			x		
PDGFRA	4q12	x	x			
PDGFRB	5q32	x	x			
PML::RARA	t(15;17)(q22;q21)	x	x			
RARA	17q21	x	x			
RB1/TP53	13q/17p <i>Only offered as part of Plasma Cell Myeloma Panel</i>		x			
RET	10q11.21			x	x	
ROS1	6q22			x	x	
RREB1	6p25 <i>Only offered as part of Cutaneous Melanoma Panel</i>			x		
RUNX1::RUNX1T1	t(8;21)(q21;q22)	x	x			
SRY	Yp11.3	x				
SS18::SYT	t(X;18)(p11;q11)			x		
XIST	Xq13.2	x				

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