

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
FISH	1p36/19q13 - Oligodendroglioma		Oligodendroglioma Panel test (1p36/1q25 and 19q13/19p13)	88374x2	Yes
FISH	1q21+1p21		Myeloma Panel test	88374	Yes
FISH	7q31 / del 7q		7q31/CEP7	88374	Yes
FISH	11q22.3 (ATM)		CLL/SLL panel test	88374	Yes
FISH	11q23 MLL breakapart		MLL (11q23) Acute Lymphocytic Leukemia Panel test	88374	Yes
FISH	13q14_D13S25		CLL/SLL Panel test; Myeloma Panel test; Myeloproliferative Disorder (MPD) Panel test	88374	Yes
FISH	17p13.1_P53		CLL/SLL Panel test; Myeloma Panel test	88374	Yes
FISH	20q12		MDS Panel test; Myeloproliferative Disorder (MPD) Panel test	88367 or 88373	Yes
Special Stains	Acid Fast Bacteria		AFB	88312	
IHC	ACTH			88342 or 88341	Yes
IHC	Actin, muscle specific (HHF35)		HHF35	88342 or 88341	Yes
IHC	Adenovirus			88342 or 88341	Yes
Special Stains	Alcian Blue			88313	
FISH	ALK (2P23) translocations		ALK-IVD; ALK-ASR; EML4-ALK	88374	Yes
IHC	ALK protein (p80)			88342 or 88341	Yes
IHC	Alpha-1-antitrypsin			88342 or 88341	Yes
IHC	Alpha-fetoprotein		AFP	88342 or 88341	Yes
IHC	AMACR (p504s)		Alpha-methylacyl-CoA racemase; p504s	88342 or 88341	Yes
FISH	AML (Acute Myelogenous Leukemia) Panel	PANEL	7q31 / del 7q; 11q23 MLL (Breakapart); CEP8 (Trisomy 8); EGR1 (5q31/5p15.5); inv16 / t(16;16)(p13;q22); t(8;21)(RUNX1/RUNX1T1); t(15;17) (PML/RARA)	88374x6, 88367 (CPTs may vary)	Yes
IHC	Amyloid A		AA	88342 or 88341	Yes
IHC	Amyloid Beta		Beta Amyloid	88342 or 88341	Yes
IHC	Amyloid P Component			88342 or 88341	Yes
IHC	Amyloid Type Analysis	PANEL	Amyloid A; Amyloid P Component; Kappa Light Chains; Lambda Light Chains; Transthyretin; Congo Red	88342; 88341x4; 88313	
IHC	Androgen Receptor			88342 or 88341	Yes
FISH	APL (Acute Promyelocytic Leukemia) Panel	PANEL	t(15;17) PML/RARA; RARA translocations	88374x2 (CPTs may vary)	Yes
IHC	Arginase-1			88342 or 88341	Yes
IHC	ATRX			88342 or 88341	Yes
FLOW	B cell versus plasma cell add-on tube	PANEL	CD22, CD38, CD45, CD52, CD65, CD138, HLA-DR	88185x7 (CPTs may vary)	
FLOW	B-ALL add-on tube	PANEL	CD11b, CD19, CD22, CD33, CD34, CD45, CD56, CD79b, HLA-DR, TdT	88185x10 (CPTs may vary)	
FLOW	B-ALL minimal residual disease panel	PANEL	CD5, CD10, CD19, CD20, CD34, CD38, CD45, kappa, lambda	88184, 88185x8, 88188 (CPTs may vary)	
Special Stains	B&B (Brown & Brenn)		BBGRAM	88312	
IHC	BAP1		BRCA-associated protein 1	88342 or 88341	Yes
IHC	bcl-2 (Clone 124)		BCL2 clone 124	88342 or 88341	Yes
IHC	bcl-2 (Clone C2)		BCL2 (Clone C2)	88342 or 88341	Yes
IHC	bcl-6		BCL6	88342 or 88341	Yes
FISH	BCL6 translocations		BCL6 (3q27); NHL (Agressive B-NHL) Panel test; NHL (Indolent B-NHL) Panel test	88374	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
IHC	bcl-10		BCL10	88342 or 88341	Yes
PCR	BCR-ABL1, Major		BCR-ABL p210, BCR-ABL Mbcr	81206	
PCR	BCR-ABL1, Minor		BCR-ABL p190, BCR-ABL mbcr	81207	
IHC	Ber-Ep4 (epithelial glycoprotein)		BerEp4; epithelial glycoprotein	88342 or 88341	Yes
IHC	Beta-catenin		Catenin-beta	88342 or 88341	Yes
IHC	Bg8 (blood group 8)		Lewis Y Antigen	88342 or 88341	Yes
IHC	Blood Group A		Bld Grp A.2	88342 or 88341	Yes
IHC	Blood Group B		BLDGPB Blood Group Antigen B	88342 or 88341	Yes
IHC	Bob-1			88342 or 88341	Yes
IHC	Brachyury			88342 or 88341	Yes
PCR	BRAF IVD Cobas V600		V600E (melanoma)	81210 (may include 88381)	
PCR	BRAF V600E		Colon / other	81210 (may include 88381)	
IHC	Breast Multiplex (CK5/14 + P63 + CK7/18), IHC			88344	Yes
IHC	BRG1		SMARCA4	88342 or 88341	Yes
IHC	c-kit (CD117)		CD117; Stem Cell Receptor	88342 or 88341	Yes
IHC	c-MYC			88360	Yes
IHC	Calcitonin			88342 or 88341	Yes
IHC	Caldesmon		Clone N5(22)	88342 or 88341	Yes
IHC	Calponin			88342 or 88341	Yes
PCR	Calreticulin		CALR	81219	
IHC	Calretinin			88342 or 88341	Yes
IHC	Carbonic Anhydrase IX (CA-IX)		CA-IX	88342 or 88341	Yes
IHC	Caspase 3 Fragment			88360	Yes
IHC	Cathepsin K			88342 or 88341	Yes
IHC	CD1a			88342 or 88341	Yes
IHC	CD2			88342 or 88341	Yes
IHC	CD3			88342 or 88341	Yes
IHC	CD4			88342 or 88341	Yes
IHC	CD5			88342 or 88341	Yes
FLOW	CD5-negative B cell therapy add-on tube	PANEL	CD5, CD10, CD19, CD20, CD22, CD38, CD45, CD52	88185x8 (CPTs may vary)	
FLOW	CD5-positive B cell therapy add-on tube	PANEL	CD5, CD19, CD22, CD45, CD52, CD79b, CD200	88185x7 (CPTs may vary)	
IHC	CD7			88342 or 88341	Yes
IHC	CD8			88342 or 88341	Yes
IHC	CD10 (CALLA)		CALLA	88342 or 88341	Yes
IHC	CD14			88342 or 88341	Yes
IHC	CD15			88342 or 88341	Yes
IHC	CD19			88342 or 88341	Yes
IHC	CD20			88342 or 88341	Yes
IHC	CD21			88342 or 88341	Yes
IHC	CD22			88342 or 88341	Yes
IHC	CD23			88342 or 88341	Yes
IHC	CD25 (IL-2Ra)		Alternative test to TRAP	88342 or 88341	Yes
IHC	CD30 (K-1 antigen)			88342 or 88341	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
IHC	CD31		PECAM-1	88342 or 88341	Yes
IHC	CD33			88342 or 88341	Yes
IHC	CD34			88342 or 88341	Yes
IHC	CD35			88342 or 88341	Yes
IHC	CD38			88342 or 88341	Yes
IHC	CD42b		Platelet glycoprotein Ib	88342 or 88341	Yes
IHC	CD43			88342 or 88341	Yes
IHC	CD45			88342 or 88341	Yes
IHC	CD56 (NCAM)		NCAM	88342 or 88341	Yes
IHC	CD57			88342 or 88341	Yes
IHC	CD61			88342 or 88341	Yes
IHC	CD68 (KP-1)			88342 or 88341	Yes
IHC	CD71			88342 or 88341	Yes
IHC	CD79a			88342 or 88341	Yes
IHC	CD99			88342 or 88341	Yes
IHC	CD103 / PAX-5		CD103 & PAX-5 run together	88342; 88341	Yes
IHC	CD123		Alternative test to TRAP	88342 or 88341	Yes
IHC	CD138			88342 or 88341	Yes
IHC	CD163			88342 or 88341	Yes
IHC	CD200			88342 or 88341	Yes
IHC	CDH17		Cadherin 17, LI-Cadherin, Liver-Intestine Cadherin, human peptide transporter 1, HPT-1	88342 or 88341	Yes
IHC	CDX2		Cdx2-D	88342 or 88341	Yes
IHC	CEA [monoclonal II-7]		CD66e	88342 or 88341	Yes
IHC	CEA [polyclonal, to CEA family (CD66)]		CEA polyclonal	88342 or 88341	Yes
FISH	CEP-X/Y			88366	
FISH	CEP3		See Copy Control 3 (CC3) below	88367 or 88373	Yes
FISH	CEP5		CEP5 (D5S23, D5S721); Myeloma Panel test	88367 or 88373	Yes
FISH	CEP7		CEP7 (7p11.1-q11.1); Myeloma Panel test	88367 or 88373	Yes
FISH	CEP8 (Trisomy 8)		MDS Panel test; Acute Myelogenous Leukemia Panel test; Myeloproliferative Disorder (MPD) Panel test	88367 or 88373	Yes
FISH	CEP9		See Copy Control 9 (CC9) below	88367 or 88373	Yes
FISH	CEP11		CEP11 (11p11.11-q11.11); Myeloma Panel test	88367 or 88373	Yes
FISH	CEP12		CEP12 (12p11.1); CLL/SLL Panel test	88367 or 88373	Yes
FISH	CEP15		See Copy Control 15 (CC15) below	88367 or 88373	Yes
FISH	CEP17-Hydatidiform Mole		Hydatidiform Mole Panel test	88367 or 88373	Yes
IHC	Chromogranin A (PHE5)		PHE5	88342 or 88341	Yes
Cytogenetics	Chromosomal Analysis: Hematologic Analysis	PANEL	Bone marrow, peripheral blood, lymph node (neoplastic specimens)	88237, 88264, 88280, 88291 (CPTs may vary)	
Cytogenetics	Chromosomal Analysis: Solid Tumor	PANEL	Other neoplastic solid tissues	88239, 88264, 88280, 88291 (CPTs may vary)	
FLOW	CLL / SLL / mantle cell lymphoma (MCL) add-on tube	PANEL	CD5, CD19, CD22, CD23, CD38, CD45, CD52, CD79b, CD200, FMC7	88185x10 (CPTs may vary)	
FISH	CLL/SLL FISH Panel	PANEL	11q22.3_ATM; 13q14_D13S25; 17p13.1_P53; CEP12; IGH translocations; t(11;14) CCND1/IGH	88374x5, 88367 (CPTs may vary)	Yes
IHC	Clusterin			88342 or 88341	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
FISH	CML Panel	PANEL	t(9;22) BCR/ABL	88374	Yes
Special Stains	Colloidal Iron Stain			88313	
IF	Complement C3			88346 or 88350	
Special Stains	Congo Red			88313	
FISH	Copy Control 3 (CC3)		CEP3 (3p11.1-q11.1); Myeloma Panel test	88367 or 88373	Yes
FISH	Copy Control 9 (CC9)		CEP9 (9p11-q11); Myeloma Panel test; Myeloproliferative Disorder (MPD) Panel test	88367 or 88373	Yes
FISH	Copy Control 15 (CC15)		CEP15 (15p11.1-q11.1); Myeloma Panel test	88367 or 88373	Yes
IHC	CXCL13			88342 or 88341	Yes
IHC	Cyclin D1		Alternative test to TRAP	88342 or 88341	Yes
Cytogenetics	Cytogenetics		See "Chromosomal Analysis"		
IHC	Cytokeratins (AE1/AE3)		See Keratins below	88342 or 88341	Yes
IHC	Cytokeratins, high molecular weight (34βE12)		See Keratins below	88342 or 88341	Yes
IHC	Cytokeratins (OSCAR)		See Keratins below	88342 or 88341	Yes
IHC	Cytokeratin 5		See Keratins below	88342 or 88341	Yes
IHC	Cytokeratin 7		See Keratins below	88342 or 88341	Yes
IHC	Cytokeratin 8, low molecular weight (35βH11)		See Keratins below	88342 or 88341	Yes
IHC	Cytokeratin 17		See Keratins below	88342 or 88341	Yes
IHC	Cytokeratin 19		See Keratins below	88342 or 88341	Yes
IHC	Cytokeratin 20		See Keratins below	88342 or 88341	Yes
IHC	Cytomegalovirus Cocktail		CMV cocktail	88342 or 88341	Yes
FLOW	Cytoplasmic lineage add-on tubes	PANEL	CD3, CD19, CD34, CD38, CD45, CD79a, CD117, myeloperoxidase	88185x8 (CPTs may vary)	
IHC	Desmin			88342 or 88341	Yes
IHC	DOG1			88342 or 88341	Yes
IHC	E-cadherin			88342 or 88341	Yes
CISH	EBV (EBER1 RNA)		EBVISH	88365	
IHC	EBV-LMP			88342 or 88341	Yes
IHC	EGFR			88360	Yes
PCR	EGFR_Roche cobas® EGFR Plasma Mutation Test (IVD)		cobas® EGFR PLASMA	81235	
PCR	EGFR_Roche cobas® EGFR Mutation Test (IVD)		cobas® EGFR IVD	81235 (may include 88381)	
FISH	EGFR/CEP7			88374	
FISH	EGR1 (5q31/5p15.5) IVD		MDS Panel test; AML Panel test	88374	Yes
IHC	EMA (Epithelial Membrane Antigen)		Epithelial Membrane Antigen	88342 or 88341	Yes
IHC	ERG			88342 or 88341	Yes
IHC	Estrogen Receptor (clone SP1)		ER-DX1 ER-SP1	88360 or 88342 or 88341	Yes
FISH	EWSR1 (22q12) translocations			88374	Yes
Pyrosequencing /PCR	Extended RAS		Extended RAS Panel: KRAS (exons 3, 4) NRAS (exons 2, 3, 4)	81276, 81311	
IHC	Fascin			88342 or 88341	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
IHC	FLI-1 [NO LONGER AVAILABLE]		Antibodies to FLI-1 are no longer available at PhenoPath, largely because there are far superior tests available for the former clinical applications of FLI-1. Antibodies to ERG are strongly recommended as a replacement for the identification of endothelial cells and vascular neoplasms, and antibodies to NKX2.2 are recommended as a replacement for the identification of PNET/ES. Alternatively, FISH studies looking for the presence of a translocation involving the EWSR gene is considered a 'gold standard' for the identification of this latter tumor.	N/A	
FLOW	Follicular lymphoma (FL)/Burkitt lymphoma (BL) add-on tubes	PANEL	bcl-2, CD5, CD10, CD11c, CD19, CD20, CD38, CD45	88185x8 (CPTs may vary)	
IHC	FOXP1			88342 or 88341	Yes
IHC	FOXP3			88342 or 88341	Yes
IHC	FSH (Follicle Stimulating Hormone)		Follicle Stimulating Hormone	88342 or 88341	Yes
FLOW	Full bone marrow screening panel	PANEL	CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD11b, CD13, CD14, CD15, CD16, CD19, CD20, CD33, CD34, CD36, CD38, CD45, CD56, CD64, CD71, CD117, CD123, HLA-DR, kappa, lambda	88184, 88185x26, 88189 (CPTs may vary)	
FISH	FUS (16q11) translocations			88374	Yes
IHC	Galectin-3			88342 or 88341	Yes
IHC	Gastrin			88342 or 88341	Yes
IHC	GATA-3			88342 or 88341	Yes
IHC	GCDFP-15 (Brst2)		Brst2	88342 or 88341	Yes
IHC	GCET1			88342 or 88341	Yes
IHC	GFAP (glial-fibrillary acidic protein)		GFP8; glial-fibrillary acidic protein	88342 or 88341	Yes
IHC	Glucagon			88342 or 88341	Yes
IHC	Glutamine Synthetase			88342 or 88341	Yes
IHC	Glycophorin A			88342 or 88341	Yes
IHC	Glypican-3 (GPC3)			88342 or 88341	Yes
IHC	Granzyme B			88342 or 88341	Yes
Special Stains	Grocott Methenamine Silver		GMS	88312	
IHC	Growth Hormone (GH)		GH	88342 or 88341	Yes
IHC	H3K27me3		anti-Tri-Methyl-Histone-H3 (Lys27)	88342 or 88341	Yes
IHC	Hairy Cell Leukemia (DBA.44)		DBA.44	88342 or 88341	Yes
FLOW	Hairy cell leukemia/marginal zone lymphoma add-on tube	PANEL	CD5, CD11c, CD19, CD22, CD25, CD38, CD45, CD103	88185x8 (CPTs may vary)	
IHC	HBME-1			88342 or 88341	Yes
IHC	HCG (βHCG)		_HCG	88342 or 88341	Yes
IHC	Helicobacter Pylori			88342 or 88341	Yes
IHC	Hemoglobin		Hmgb	88342 or 88341	Yes
IHC	Hepatitis B core antigen			88342 or 88341	Yes
IHC	Hepatitis B surface antigen			88342 or 88341	Yes
IHC	HepPar1 Antigen		Hepatocyte; CSP1; Carbamoyl phosphate synthetase 1	88342 or 88341	Yes
IHC	HER2 (Clone SP3)		SP3	88360	Yes
FISH	HER2/CEP17 (PathVysion)			88374	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
IHC	HER2 4B5		4B5	88360	Yes
IHC	HGAL		GCET2, GCAT2, GCSAM	88342 or 88341	Yes
IHC	HHV8 (Herpes virus 8, human)		Human Herpes Virus 8; KSHV	88342 or 88341	Yes
IHC	HLA-DR		Class II histocompatibility antigen; HLADR	88342 or 88341	Yes
IHC	HMB-45 (gp100)		gp100; Melanoma Specific Antigen; HMB45	88342 or 88341	Yes
IHC	HSV1 & HHV7 (Herpes Simplex 1 and 2)		Herpes Simplex 1 (HSV1); Herpes Simplex 2 (HSV2)	88342 or 88341	Yes
IHC	Human Placental Lactogen		HPL; Placental Lactogen	88342 or 88341	Yes
FISH	Hydatidiform Mole Evaluation (Molar Pregnancy)	PANEL	p57 and Ki-67 (MIB-1) by IHC; CEP17-Hydatidiform Mole FISH	88342; 88360; 88367; 88323 (CPTs may vary)	Yes
IHC	IDH1, human		Human IDH1 R132H Point Mutation; IDH-1; Isocitrate dehydrogenase 1	88342 or 88341	Yes
IF	IgA			88346 or 88350	
IHC	IgA			88342 or 88341	Yes
IHC	IgD		Immunoglobulin D heavy chain	88342 or 88341	Yes
IF	IgG			88346 or 88350	
IHC	IgG			88342 or 88341	Yes
IHC	IgG4 + Total IgG		Performed with IgG and possibly CD38 and IgA	88360 + 88342 and/or 88341 x # of add'l Abs performed	Yes
PCR	IgH (B cell)		B cell (IgH) clonality	81261 (may include 88381)	
FISH	IGH translocations		IGH (14q32); CLL/SLL Panel test; MYC Panel test; NHL (Aggressive B-NHL) and NHL (Indolent B-NHL) Panel test	88374	Yes
PCR	IgK (Kappa)		B cell (Kappa) clonality	81264 (may include 88381)	
IF	IgM			88346 or 88350	
IHC	IgM			88342 or 88341	Yes
IHC	IMP3			88342 or 88341	Yes
IHC	Inhibin-Alpha			88342 or 88341	Yes
IHC	INI-1		BAF47	88342 or 88341	Yes
IHC	INPP4B		inositol polyphosphate 4-phosphatase type II	88360	Yes
IHC	Insulin			88342 or 88341	Yes
FISH	inv16 / t(16;16)(p13;q22) (CBFB)		CBFB	88374	Yes
PCR	JAK2		Janus Kinase 2, JAK2 V617F	81270 (may include 88381)	
ISH	Kappa by ISH			88365 or 88364	Yes
IHC	Kappa Light Chains			88342 or 88341	Yes
IHC	Keratins (AE1/AE3)			88342 or 88341	Yes
IHC	Keratins, high molecular weight (34βE12)		34βE12	88342 or 88341	Yes
IHC	Keratins (OSCAR)		OSCAR	88342 or 88341	Yes
IHC	Keratin 5		CK5-XM26	88342 or 88341	Yes
IHC	Keratin 7		CK7	88342 or 88341	Yes
IHC	Keratin 8, low molecular weight (35βH11)		CK8; 35βH11	88342 or 88341	Yes
IHC	Keratin 17		CK17	88342 or 88341	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
IHC	Keratin 19		CK19	88342 or 88341	Yes
IHC	Keratin 20		CK20	88342 or 88341	Yes
IHC	Ki-67 Antigen (Clone SP6)		SP6	88360	Yes
IHC	Ki-67 Antigen (MIB-1)		MIB-1	88360	Yes
PCR	KRAS cobas® IVD			81275 (may include 88381)	
Pyrosequencing /PCR	KRAS (exons 3, 4)		See "Extended RAS Panel"	81276	
ISH	Lambda by ISH			88365 or 88364	Yes
IHC	Lambda Light Chains		Lambda Light Chains	88342 or 88341	Yes
IHC	Langerin (CD207)		CD207	88342 or 88341	Yes
FLOW	Large T cell therapy add-on tube	PANEL	CD3, CD25, CD30, CD45, CD52, HLA-DR	88185x6 (CPTs may vary)	
IHC	LEF1		LEF-1; Lymphoid enhancer-binding factor 1	88342 or 88341	Yes
IHC	LMO2			88342 or 88341	Yes
IHC	Lutinizng Hormone (LH)			88342 or 88341	Yes
IHC	Lysozyme		Muraminidase	88342 or 88341	Yes
IHC	Macrophage (HAM56)		HAM56	88342 or 88341	Yes
FISH	MALT Panel	PANEL	MALT1 (18q21)	88374	Yes
FISH	MALT1 (18q21) translocations		NHL (Indolent B-NHL) Panel test; MALT Panel test	88374	Yes
FISH	MALT1 Breakapart (18q21) positive, reflex panel	PANEL	t(11;18) MALT1/API2; t(14;18) IGH/MALT1	88374x2	Yes
IHC	Mammaglobin A			88342 or 88341	Yes
IHC	MART-1 Antigen (Melan A)		Melan A	88342 or 88341	Yes
Special Stains	Masson's Trichrome		Trichrome	88313	
FISH	MDM-2/SE12		MDM2	88374	Yes
FISH	MDS (Myelodysplastic Syndrome) Panel	PANEL	7q31/del 7q; EGR1 (5q31/5p15.5); 20q12; CEP8 (Trisomy 8)	88374x2, 88367, 88373 (CPTs may vary)	Yes
IHC	Merkel Cell Polyomavirus		MCPyV; MCPV	88342 or 88341	Yes
IHC	Mesothelin			88342 or 88341	Yes
FISH	MET (7q31.2) / CC7		CMET, c-MET, hepatocyte growth factor receptor, HGFR	88374	Yes
IHC	Microphthalmia Transcription Factor (MTF)		MTF	88342 or 88341	Yes
IHC	Mitochondria			88342 or 88341	Yes
IHC	MLH1			88342 or 88341	Yes
IHC	MMR (correlates with MSI)	PANEL	Mismatch Repair Genes, including: MLH1; MSH2; MSH6; PMS2	88342; 88341x3	Yes
IHC	MNDA		Myeloid cell Nuclear Differentiation Antigen	88342 or 88341	Yes
IHC	MOC-31		Epithelial glycoprotein 2	88342 or 88341	Yes
IHC	MSH2			88342 or 88341	Yes
IHC	MSH6			88342 or 88341	Yes
PCR	MSI by PCR		Microsatellite Instability	81301; 88381; G0452 (CPTs may vary)	
Special Stains	Mucin			88313	
IHC	MUM1		Interferon regulatory factor 4	88342 or 88341	Yes
FISH	MYC (8q24) translocations		c-MYC; NHL (Agressive B-NHL) Panel test; MYC Panel test	88374	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
FISH	MYC Panel	PANEL	IGH translocations; MYC (8q24) translocations	88374x2 (CPTs may vary)	Yes
PCR	MYD88 L265P Mutation			81479	
FLOW	Myeloid 4 add-on tube	PANEL	CD9, CD19, CD34, CD38, CD45, CD90, CD117, CD133, HLA-DR	88185x9 (CPTs may vary)	
FLOW	Myeloid 5 add-on tube	PANEL	CD11c, CD34, CD41, CD45, CD61, CD117, CD235a (glycophorin A)	88185x7 (CPTs may vary)	
FISH	Myeloma FISH Panel	PANEL	1q21+1p21; 13q14_D13S25; 17p13.1_P53; t(4;14) FGFR3/IGH; t(11;14), CCND1/IGH; t(14;16) IGH/MAF; CEP5; CEP7; CEP11; Copy Control 3 (CC3); Copy Control 9 (CC9); Copy Control 15 (CC15) - Note: Panel run as an algorithm; Not all tests may apply	88374x6, 88367, 88373 x 5 (CPTs may vary)	Yes
IHC	Myeloperoxidase			88342 or 88341	Yes
Special Stains	Myeloperoxidase (MPO)		MPO	88313	
FISH	Myeloproliferative Neoplasm (MPN) FISH Panel	PANEL	13q14_D13S25; 20q12; CEP8; Copy Control 9 (CC9)	88374, 88367, 88373 x2	Yes
IHC	MyoD1			88342 or 88341	Yes
IHC	Myogenin			88342 or 88341	Yes
IHC	Myoglobin		Mouse Monoclonal, clone MG-1	88342 or 88341	Yes
IHC	NapsinA		Naspin A	88342 or 88341	Yes
IHC	Nestin			88342 or 88341	Yes
IHC	Neu-N		A60	88342 or 88341	Yes
IHC	Neurofilaments (2F11)		2F11	88342 or 88341	Yes
IHC	NKX2.2			88342 or 88341	Yes
IHC	NKX3.1			88342 or 88341	Yes
FISH	Non Hodgkin Lymphoma (Agressive B-NHL) Panel	PANEL	MYC (8q24) translocations; IGH translocations; t(14;18) IGH/BCL2; BCL6 translocations	88374x4 (CPTs may vary)	Yes
FISH	Non Hodgkin Lymphoma (Indolent B-NHL) Panel	PANEL	t(14;18) IGH/BCL2; IGH translocations; BCL6 translocations; t(11;14) CCND1/IGH; MALT1 (18q21) translocations	88374x5	Yes
Pyrosequencing /PCR	NRAS (exons 2, 3, 4)		See "Extended RAS Panel"	81311	
IHC	NUT			88342 or 88341	Yes
IHC	Oct-2		OCT2.1; Octamer transcription factor 2	88342 or 88341	Yes
IHC	Oct-3/4			88342 or 88341	Yes
Special Stains	Oil Red O			88313	
IHC	p16-INK4a		p16; E6H4	88342 or 88341	Yes
FISH	P16 (CDKN2A/CC9)		CDKN2A/CC9	88374	Yes
IHC	p40		p63 isoform ΔNp63	88342 or 88341	Yes
IHC	p53			88342 or 88341	Yes
IHC	p57-Kip2		p57	88342 or 88341	Yes
IHC	p63			88342 or 88341	Yes
IHC	p75-NTR		NGFR5	88342 or 88341	Yes
IHC	Pancreatic Polypeptide (PP)		PP	88342 or 88341	Yes
IHC	PAP (Prostatic Acid Phosphatase)		Prostatic Acid Phosphatase	88342 or 88341	Yes
FLOW	Paroxysmal nocturnal hemoglobinuria (PNH) panel	PANEL	CD10, CD14, CD16, CD24, CD33, CD45, CD59, CD235a/glycophorin A, FLAER, HLA-DR	88184, 88185x9, 88188 (CPTs vary)	
IHC	Parvovirus B19			88342 or 88341	Yes
IHC	PAX-5			88342 or 88341	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
IHC	PAX-6			88342 or 88341	Yes
IHC	PAX-8			88342 or 88341	Yes
IHC	PD-1		Programmed cell death protein 1; CD279	88342 or 88341	Yes
IHC	PD-L1 IHC 22C3 pharmDx		22C3; PDL1	88360	
IHC	PD-L1 IHC 22-8 pharmDx		28-8; PDL1	88360	
IHC	PD-L1 (clone EIL3N)		PDL1, Programmed Death-Ligand 1, CD274	88360	Yes
IHC	PD-L1 (clone SP142)		SP142; PDL1	88360	
Special Stains	Periodic Acid Schiff (PAS)			88313	
Special Stains	Periodic Acid Schiff (PAS) with Diastase			88313	
Special Stains	Perl's Iron Stain		Perls	88313	
IHC	Pituitary Panel		ACTH; Estrogen Receptor (clone SP1); FSH (Follicle Stimulating Hormone); Growth Hormone (GH); Lutinizing Hormone (LH); Prolactin; SF-1; Thyroid Stimulating Hormone (TSH)	88360, 88341, 88342x6 (CPTs may vary)	Yes
IHC	PLAP (Placental Alkaline Phosphatase)		Placental Alkaline Phosphatase	88342 or 88341	Yes
IHC	PMS2			88342 or 88341	Yes
IHC	Pneumocystis			88342 or 88341	Yes
IHC	PNL2		Melanoma Associated Antigen	88342 or 88341	Yes
IHC	Podoplanin (D2-40)		D2-40	88342 or 88341	Yes
IHC	Polyomavirus (BK, JC & SV40 viruses)		BK virus; JC virus (Jamestown Canyon); SV40 virus	88342 or 88341	Yes
IHC	Progesterone Receptor (clone PgR 636)		PR636-D	88360 or 88342 or 88341	Yes
IHC	Prolactin			88342 or 88341	Yes
IHC	Prostate Multiplex (CK5/14 + P63 + P504S), IHC			88344	Yes
IHC	PSA (Prostate Specific Antigen)		Prostate Specific Antigen	88342 or 88341	Yes
Special Stains	PTAH			88313	
IHC	PTEN		Phosphatase and tensin homolog	88342 or 88341	Yes
IHC	PTH (Parathyroid Hormone)		Parathormone; parathyroid hormone	88342 or 88341	Yes
IHC	PU.1				Yes
FISH	RARA translocations		RARA (17q12)	88374	Yes
FISH	RET (10q11.21) Breakapart			88374	Yes
Special Stains	Reticulin, Gordon & Sweet's		Gordon & Sweet's	88313	
IHC	ROS1		ROS-1	88342 or 88341	Yes
FISH	ROS-1 (16q22.1) translocations			88374	Yes
IHC	RSV (Respiratory Syncytial Virus)		Respiratory Syncytial Virus	88342 or 88341	Yes
FLOW	Rule out lymphoma panel	PANEL	CD2, CD3, CD4, CD5, CD7, CD8, CD10, CD19, CD20, CD34, CD38, CD45, CD56, kappa, lambda	88184, 88185x14, 88188 (CPTs may vary)	
FLOW	Rule out mastocytosis panel	PANEL	CD2, CD4, CD25, CD33, CD34, CD38, CD45, CD117, HLA-DR	88184, 88185x8, 88188 (CPTs may vary)	
FLOW	Rule out plasma cell dyscrasia panel	PANEL	CD5, CD19, CD20, CD45, CD38, CD56, kappa, lambda, surface antibodies	88184, 88185 x # of antibodies, 88188 (CPTs may vary)	

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
IHC	S-100		S100	88342 or 88341	Yes
IHC	SALL4			88342 or 88341	Yes
IHC	Serotonin			88342 or 88341	Yes
IF	Serum IF			88346 or 88350	
IHC	SF-1			88342 or 88341	Yes
IHC	SMARCA4		BRG1	88342 or 88341	Yes
IHC	SMMHC (smooth muscle myosin heavy chain)		Smooth muscle myosin heavy chain	88342 or 88341	Yes
IHC	Smooth muscle actin (clone 1A4)		1A4	88342 or 88341	Yes
IHC	Smoothelin			88342 or 88341	Yes
FISH	SMS/RARA			88374	Yes
IHC	Somatostatin		Somatostatin receptor	88342 or 88341	Yes
IHC	SOX10		SRY-related HMG-Box gene 10	88342 or 88341	Yes
IHC	SOX11		MRQ-58, SOX-11, Sox-11	88342 or 88341	Yes
FISH	SS18-SYT-synovial sarcoma-X18		SS18 (SYT-18q11.2)	88374	Yes
IHC	SSTR2 (Somatostatin Receptor)		SSt2A; Somatostatin receptor	88342 or 88341	Yes
IHC	STAT 6		STAT6, Signal Transducer and Activator of Transcription	88342 or 88341	Yes
IHC	Synaptophysin			88342 or 88341	Yes
PCR	T Cell (TCR-beta)			81340	
PCR	T cell (TCR-gamma)		T cell clonality	81342 (may include 88381)	
FLOW	T cell receptor add-on tube	PANEL	CD3, CD4, CD5, CD8, CD45, CD56, TCR-alpha-beta, TCR-gamma-delta	88185x8 (CPTs may vary)	
FLOW	T cell therapy add-on tube	PANEL	CD3, CD4, CD5, CD8, CD11b, CD25, CD45, CD52	88185x8 (CPTs may vary)	
FLOW	T-ALL add-on tube	PANEL	CD1a, CD3, CD33, CD34, CD45, CD99, HLA-DR, TdT	88185x8 (CPTs may vary)	
FLOW	T-ALL minimal residual disease panel	PANEL	CD1a, CD2, CD3, CD4, CD5, CD8, CD34, CD45, CD56	88184, 88185x8, 88188 (CPTs may vary)	
FISH	t(4;14) FGFR3/IGH		t(4;14)(p16;q32) (IGH/FGFR3); Myeloma Panel test	88374	Yes
FISH	t(8;14)(IGH/MYC)		NHL (Aggressive B-NHL) Panel test	88374	Yes
FISH	t(8;21) (RUNX1/RUNX1T1)			88374	Yes
FISH	t(9;22) BCR/ABL		t(9;22)(q34;q11.2) (BCR/ABL); Acute Lymphocytic Leukemia Panel test; CML Panel test	88374	Yes
FISH	t(11;14), CCND1/IGH		t(11;14)(q13;q32) (IGH/CCND1); Myeloma Panel test; CLL/SLL Panel test; NHL (Indolent B-NHL) Panel test	88374	Yes
FISH	t(11;18), MALT1/API2 (& MALT1/BIRC3)		t(11;18)(q21;q21) (API2/MALT1); t(11;18)(q21;q21) (BIRC3/MALT1); MALT1 (18q21) positive reflex panel test	88374	Yes
FISH	t(11q23) MLL		MLL (11q23); Acute Lymphocytic Leukemia Panel test	88374	Yes
FISH	t(14;16) IGH/MAF		t(14;16)(q32;q23) (IGH/MAF)	88374	Yes
FISH	t(14;18) IGH/BCL2		t(14;18)(q32;q21) (IGH/BCL2); NHL (Indolent B-NHL) Panel test; NHL (Aggressive B-NHL) Panel test	88374	Yes
FISH	t(14;18) IGH/MALT1		t(14;18)(q32;q21) MALT1; MALT1 (18q21) positive Reflex Panel test	88374	Yes

Methodology	Test Name	Panel	Alternate Names / Panel Components	CPTs	TC ok
FISH	t(15;17) PML/RARA		t(15;17)(q22;q21.1) (PML/RARA); Acute Promyelocytic Leukemia Panel test; Acute Myelogenous Leukemia Panel test	88374	Yes
IHC	TCL1		TCL1A, p14TCL1	88342 or 88341	Yes
IHC	TCR-βF1		TCR beta F1	88342 or 88341	Yes
FLOW	TCR-V-Beta (8 tube panel)	PANEL	Vb5.2-Vb2-Vb12 (TCR); Vb5.3-Vb7.1-Vb3 (TCR); Vb9-VB17-VB16 (TCR); Vb11-Vb22-Vb14 (TCR); Vb13.1-Vb13.6-Vb8 (TCR); Vb13.2-Vb4-Vb7.2 (TCR); Vb18-Vb5.1-Vb20 (TCR); Vb23-Vb1-Vb21.3 (TCR); CD3; CD4; CD8	Inquire with PhenoPath	
IHC	TdT		Terminal deoxynucleotidyltransferase	88342 or 88341	Yes
IHC	TFE3		Transcription factor E3	88342 or 88341	Yes
IHC	Thrombomodulin		CD141	88342 or 88341	Yes
IHC	Thymidylate Synthase (TS)		TS	88360	Yes
IHC	Thyroglobulin			88342 or 88341	Yes
IHC	Thyroid Stimulating Hormone (TSH)		TSH beta	88342 or 88341	Yes
IHC	TIA-1			88342 or 88341	Yes
IHC	TLE-1 [NO LONGER AVAILABLE]		Extensive experience with the IHC assay for TLE1, in this and other laboratories, has shown that the marker is not specific for synovial sarcoma. If synovial sarcoma is suspected, FISH analysis for the SYN;SYT translocation is recommended.	N/A	
FISH	TOP2A/CEP17		TOP2A	88374	Yes
IHC	Toxoplasma Gondii			88342 or 88341	Yes
FISH	TP53/CEP17		P53	88367 or 88373	Yes
IHC	Transthyretin (Pre Albumin)			88342 or 88341	Yes
FISH	Trisomy 21				Yes
IHC	Tryptase			88342 or 88341	Yes
IHC	TTF-1 (thyroid transcription factor 1)		Thyroid transcription factor 1	88342 or 88341	Yes
IHC	Type IV Collagen		Collagen Type IV	88342 or 88341	Yes
IHC	Tyrosinase			88342 or 88341	Yes
IHC	Uroplakin			88342 or 88341	Yes
IHC	Varicella Zoster (VZV)		VZV	88342 or 88341	Yes
Special Stains	Verhoeff Van Gieson (VVG)			88313	
IHC	Villin			88342 or 88341	Yes
IHC	Vimentin			88342 or 88341	Yes
IHC	VIP (vasoactive intestinal polypeptide)		Vasoactive intestinal polypeptide	88342 or 88341	Yes
IHC	vWF (Factor VIII related antigen)		von Willebrand Factor	88342 or 88341	Yes
Special Stains	Wright-Giemsa		Wright's	88313	
IHC	WT-1		Wilms tumor gene product	88342 or 88341	Yes
IHC	ZAP-70			88342 or 88341	Yes