Complete and print.

Reset Form

MAYO CLINIC LABORATORIES

Hematopathology/Cytogenetics Test Request*

Client Information (required)

Client Name		
Client Account No.		
Client Phone	Client Order No.	
Address		
City	State	ZIP Code

Submitting Provider Information (required)

Submitting/Referring Provider Name *(Last, First)*

Fill in only if Call Back is required.

Phone (with area code)	Fax** (with area code)
Provider's National I.D. (NPI)	

***Fax number given must be from a fax machine that complies with applicable HIPAA regulation.*

Pathology/Clinical Diagnosis (required)

Include pathology report.

Include a reason for testing, suspected diagnosis, brief history, and pertinent laboratory results.

Bone Marrow Transplant
☐ Autologous ☐ Allogeneic ☐ Sex mis-match

Disease Stage
☐ New diagnosis ☐ Relapse ☐ MRD

ICD-10 Diagnosis Code

**If patient is enrolled in the Children's Oncology Group, see Children's Oncology Group Test Request (MC0767-20) to order testing.*

Ship specimens to:
Mayo Clinic Laboratories
3050 Superior Drive NW
Rochester, MN 55901

Customer Service: 855-516-8404

Visit www.MayoClinicLabs.com for the most up-to-date test and shipping information.

Patient Information (required)

Patient ID (Medical Record No.)	
Patient Name *(Last, First, Middle)*	
Sex ☐ Male ☐ Female	Birth Date *(mm-dd-yyyy)*
Collection Date *(mm-dd-yyyy)*	Time ☐ am ☐ pm

Specimens Provided (required)

☐ Blood ☐ Bone marrow ☐ Fixed cells ☐ Cultured cells ☐ DNA ☐ Lymph node ☐ Spleen	☐ Paraffin block No. sent: _____ Indicate source: ☐ Slides No. sent: _____	☐ Tissue No. sent: _____ ☐ Frozen ☐ Fixed formalin ☐ Wet tissue ☐ Other fixative, type: ☐ Other, anatomic site:

CBC Results
HGB _____ MCV _____ WBC _____
RBC _____ RDW _____ PLT _____

Pathologist Information (required)

Submitting/Referring Pathologist Name *(Last, First)*	
Phone (with area code)	Fax** (with area code)

***Fax number given must be from a fax machine that complies with applicable HIPAA regulation.*

MCL Internal Use Only

Note: It is the client's responsibility to maintain documentation of the order.

Billing Information
- An itemized invoice will be sent each month.
- Payment terms are net 30 days.

Call the Business Office with billing related questions:
800-447-6424 (US and Canada)
507-266-5490 (outside the US)

T726
MC0767-05Arev0222

Patient Information (required)

Patient ID (Medical Record No.)	Client Account No.
Patient Name *(Last, First, Middle)*	Client Order No.
Birth Date *(mm-dd-yyyy)*	

Hematopathology Consultation

☐	PATHC	Pathology Consultation (submit PB and bone marrow aspirate slides, block)
☐	HPWET	Hematopathology Consultation, MCL Embed (submit core biopsy, clot section, bone marrow aspirate and PB slides)
☐	HPCUT	Hematopathology Consultation, Client Embed (submit bone marrow liquid aspirate, PB and bone marrow slides and embedded core biopsy and clot section)

Note: HPWET and HPCUT require MCL approval prior to ordering and submission of specimens.
Call 800-533-1710 for approval.

Hematologic Disorders Hold Service

☐	HOLDC	Hematologic Disorders, Chromosome Hold
☐	HOLDF	Hematologic Disorders, Fluorescence In Situ Hybridization (FISH) Hold
☐	HLLFH	Leukemia/Lymphoma Flow Hold***
☐	EXHD	DNA Extract and Hold
☐	EXHR	DNA and RNA Extract and Hold

Flow Cytometry

Leukemia/Lymphoma Immunophenotyping

☐	LCMS	Blood/Bone Marrow***
☐	LLPT	Tissue
☐	LLTOF	Technical Only

☐	MYEFL	Myelodysplastic Syndrome by Flow Cytometry, Bone Marrow
☐	PLINK	PNH, PI-Linked Antigen, Blood
☐	SZDIA	Sezary Diagnostic Flow Cytometry, Blood
☐	SZMON	Sezary Monitoring Flow Cytometry, Blood
☐	CEE20	CD20 Cell Expression Evaluation
☐	CEE49	CD49d Cell Expression Evaluation
☐	CEE52	CD52 Cell Expression Evaluation

Chromosome Analysis

☐	CHRBM	Bone Marrow
☐	CHRHB	Hematologic Blood

Next-Generation Sequencing (NGS)

☐	NGAMT	NGS AML 4 Gene Panel, Therapeutic
☐	NGAML	NGS AML, 11-Gene Panel
☐	NGSHM	OncoHeme NGS Myeloid Neoplasms
☐	NGSMM	NGS, Multiple Myeloma

Chromosomal Microarray

☐	CMAH	Hematologic Disorders

ACUTE MYELOID LEUKEMIA (AML)/ MYELODYSPLASTIC SYNDROME (MDS)

Acute Myeloid Leukemia (AML)

☐	PMLR	PML/RARA Quantitative, PCR
☐	CEBPA	CEBPA Mutations, Gene Sequencing
☐	FLT	FLT3 Mutation Analysis
☐	NPM1	Nucleophosmin (NPM1) Mutation Analysis
☐	KITE	KIT Mutation Exons 8-11 and 17, Hematologic Neoplasms, Sequencing
☐	AMLAF	Acute Myeloid Leukemia (AML), FISH, Adult
☐	AMLPF	Acute Myeloid Leukemia (AML), FISH, Pediatric
☐	AMLMF	Acute Myeloid Leukemia (AML), Specified FISH

For AMLMF: must specify probe sets to be performed.

☐	RUNX1T1/RUNX1	t(8;21)(q22;q22)
☐	MECOM/RUNX1	t(3;21)(q26.2;q22)
☐	PML/RARA	t(15;17)(q24.1;q21.2)
☐	RARA/BAP	17q21 rearrangement
☐	MLL (KMT2A) BAP	11q23 rearrangement
☐	AFF1/MLL	t(4;11)(q21;q23)
☐	MLLT4/MLL	t(6;11)(q27;q23)
☐	MLLT3/MLL	t(9;11)(p22;q23)
☐	MLLT10/MLL	t(10;11)(p13;q23)
☐	MLL/CREBBP	t(11;16)(q23;p13.3)
☐	MLL/MLLT1	t(11;19)(q23;p13.3)
☐	MLL/ELL	t(11;19)(q23;p13.1)
☐	MYH11/CBFB	inv(16)(p13q22) or t(16;16)
☐	CBFB BAP	16q22 rearrangement
☐	GLIS2/CBFA2T3	inv(16)
☐	NUP98 BAP	11p15.4 rearrangement
☐	HOXA9/NUP98	t(7;11)(p15;p15.4)
☐	ETV6 BAP	12p13 rearrangement
☐	MNX1/ETV6	t(7;12)(q36;p13)
☐	DEK/NUP214	t(6;9)(p23;q34)
☐	RPN1/MECOM	inv(3)(q21.3q26.2) or t(3;3)
☐	PRDM16/RPN1	t(1;3)(p36.3;q21.3)
☐	KAT6A/CREBBP	t(8;16)(p11.2;p13.3)
☐	RBM15/MKL1	t(1;22)(p13.3;q13.1)
☐	D5S630/EGR1	-5/5q deletion
☐	D7Z1/D7S486	-7/7q deletion
☐	TP53/D17Z1	-17/17p deletion
☐	BCR/ABL1	t(9;22)(q34;q11.2)
☐	ABL1 BAP	9q34 rearrangement

Myelodysplasia Syndromes (MDS)

☐	MYEFL	Myelodysplastic Syndrome by Flow Cytometry, Bone Marrow
☐	PLINK	PNH, PI-Linked Antigen, Blood
☐	MSTF	Myeloid Sarcoma, FISH, Tissue

Must select probes listed below or entire panel.

☐	RUNX1T1/RUNX1	t(8;21)(q22;q22)
☐	BCR/ABL1	t(9;22)(q34;q11.2)
☐	MLL (KMT2A) BAP	11q23 rearrangement
☐	PML/RARA	t(15;17)(q24.1;q21.2)
☐	MYH11/CBFB	inv(16)(p13q22) or t(16;16)

☐ **Perform entire panel**

BONE MARROW TRANSPLANT

☐	BALLM	B-ALL Monitoring, MRD Detection, Bone Marrow
☐	CHIDB	Chimerism-Donor
☐	CHRGB	Chimerism-Recipient Germline (Pre)
☐	CHIMU	Chimerism Transplant No Cell Sort
☐	CHIMS	Chimerism Transplant Sorted Cells
☐	CLLMV	CLL Monitoring, MRD Detection
☐	1DIS	HLA A-B-C Disease Association Typing Low Resolution, Blood
☐	2DIS	HLA-DR-DQ Disease Association Typing Low Resolution, Blood

LYMPHOID DISORDERS

B Cell

☐	BALLM	B-ALL Monitoring, MRD Detection, Bone Marrow

Immunoglobulin Gene Rearrangement

☐	BCGR	Blood
☐	BCGBM	Bone Marrow
☐	BCGRV	Varies

☐	MYD88	MYD88, L265P, Somatic Gene Mutation, DNA Allele-Specific PCR
☐	CXLPL	CXCR4 Mutation Analysis, Somatic, Lymphoplasmacytic Lymphoma/ Waldenstrom Macroglobulinemia
☐	LPLFX	Lymphoplasmacytic Lymphoma/ Waldenstrom Macroglobulinemia (LPL/WM), MYD88 L265P with Reflex to CXCR4
☐	SVISC	Viscosity, Serum

*** Algorithms are available online for these tests.
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☐ BLBLF B-Cell Lymphoblastic Leukemia/ Lymphoma, FISH, Tissue

For BLBLF: **must** specify probe sets to be performed.

☐ CDKN2A/D9Z1	+9/9p-BCR/ABL1
☐ MLL (KMT2A) break-apart	11q23 rearrangement
☐ TP53/D17Z1	-17/17p-
☐ PBX1/TCF3	t(1;19)(q23;p13)
☐ D4Z1/D10Z1/D17Z1	Hyperdiploidy, +4,+10,+17
☐ ETV6/RUNX1 fusion and iAMP21	t(12;21)(p13;q22)
☐ IGH break-apart	14q32 rearrangement
☐ MYC break-apart	8q24.1 rearrangement

☐ **Perform entire panel**

☐ PHLDF Philadelphia Chromosome-like Acute Lymphoblastic Leukemia (Ph-like ALL), Diagnostic FISH

☐ BALAF B-Cell Acute Lymphoblastic Leukemia/ Lymphoma (ALL), FISH, Adult

☐ BALPF B-Cell Acute Lymphoblastic Leukemia/ Lymphoma (ALL), Pediatric, FISH

☐ BALMF B-Cell Acute Lymphoblastic Leukemia/ Lymphoma (ALL), Specified FISH

For BALMF: **must** specify probe sets to be performed.

☐ ABL2 break-apart	1q25 rearrangement
☐ PDGFRB break-apart	5q33 rearrangement
☐ IKZF1/CEP7	7p-
☐ JAK2 break-apart	9p24.1 rearrangement
☐ CDKN2A/D9Z1	+9/9p-
☐ BCR/ABL1	t(9;22)
☐ ABL1 break-apart	9q34 rearrangement
☐ MLL (KMT2A) break-apart	11q23 rearrangement
☐ AFF1/MLL	t(4;11)(q21;q23)
☐ MLLT4(AFDN)/MLL	t(6;11)(q27;q23)
☐ MLLT3/MLL	t(9;11)(p22;q23)
☐ MLLT10/MLL	t(10;11)(p13;q23)
☐ MLL/ELL	t(11;19)(q23;p13.1)
☐ MLL/MLLT1	t(11;19)(q23;p13.3)
☐ TP53/D17Z1	-17/17p-
☐ PBX1/TCF3	t(1;19)(q23;p13)
☐ D4Z1/D10Z1/D17Z1	+4,+10,+17, Hyperdiploidy
☐ ETV6/RUNX1 & iAMP21	t(12;21)(p13;q22)
☐ ETV6 break-apart	12p13 rearrangement
☐ IGH break-apart	14q32 rearrangement
☐ P2RY8 rearrangement	t(Xp22.33;var) or t(Yp11.32;var)
☐ CRLF2 rearrangement	t(Xp22.33;var) or t(Yp11.32;var)
☐ CRLF2/IGH	t(X;14)(p22.33;q32) or t(Y;14)(p11.32;q32)
☐ MYC break-apart	8q24.1 rearrangement

☐ BLPMF B-Cell Lymphoma, Specified FISH

For BLPMF: **must** specify probe sets to be performed. If not specified, probes tested will be determined based on reason for testing.

☐ MYC break-apart	8q24.1 rearrangement
☐ IGK/MYC fusion	t(2;8)(p12;q24.1)
☐ MYC/IGH fusion	t(8;14)(q24.1;q32)
☐ MYC/IGL fusion	t(8;22)(q24.1;q11.2)
☐ BCL6 break-apart	t(3q27;var) rearrangement
☐ BCL2 break-apart	t(18q21;var) rearrangement
☐ CCND1/IGH fusion	t(11;14)(q13;q32)
☐ TP53/D17Z1	-17/17p-
☐ D7Z1/7q32	7q-

☐ BLYM B-Cell Lymphoma, FISH, Tissue

Must select lymphoma subtype.

Burkitt (Pediatric)

Must select probes listed below or entire panel.

☐ MYC BAP	8q24.1 rearrangement
☐ IGK/MYC	t(2;8)(p12;q24.1)
☐ MYC/IGH	t(8;14)(q24.1;q32)
☐ MYC/IGL	t(8;22)(q24.1;q11.2)
☐ BCL6 BAP	3q27 rearrangement
☐ BCL2 BAP	18q21 rearrangement

☐ **Perform entire Burkitt panel**

Diffuse Large B-Cell, Burkitt-Like "Double-Hit"

Must select probes listed below or entire panel.

☐ MYC BAP	8q24.1 rearrangement
☐ MYC/IGH	t(8;14)(q24.1;q32)
☐ reflex: IGK/MYC	t(2;8)(p12;q24.1)
☐ reflex: MYC/IGL	t(8;22)(q24.1;q11.2)
☐ reflex: BCL6 BAP	3q27 rearrangement
☐ reflex: BCL2 BAP	18q21 rearrangement

☐ **Perform entire frontline "Double-Hit" panel**

Follicular

Must select probes listed below or entire panel.

☐ BCL2 BAP	18q21 rearrangement
☐ BCL6 BAP	3q27 rearrangement
☐ TNFRSF14/1q22	deletion of 1p36

☐ **Perform entire follicular panel**

Mantle Cell

☐ CCND1/IGH	t(11;14)(q13;q32)
☐ TP53/D17Z1	Blastoid subtype only: deletion of 17p
☐ MYC BAP	Blastoid subtype only: 8q24.1 rearrangement

☐ **Perform entire frontline Mantle Cell panel**

Splenic Marginal Zone Lymphoma (SMZL)

Must select probes listed below or entire panel.

☐ D7Z1/7q32	deletion 7q
☐ TP53/D17Z1	deletion 17p

☐ **Perform entire SMZL panel**

Mucosa-Associated Lymphoid Tissue (MALT/ENMZL) (BLYM only)

☐ MALT1 BAP	18q21 rearrangement

Large B-Cell with IRF4 Rearrangement (BLYM only)

Must select probes listed below or entire panel.

☐ IRF4 BAP	6p24.3 rearrangement
☐ BCL2 BAP	18q21 rearrangement
☐ BCL6 BAP	3q27 rearrangement

☐ **Perform entire Large B-Cell panel**

Chronic Lymphocytic Leukemia (CLL)

☐ CLLMV	CLL Monitoring, MRD Detection, Varies
☐ BCLL	IGH Somatic Hypermutation Analysis, B-Cell (B-CLL)
☐ P53CA	Hematologic Neoplasms, TP53 Somatic Mutation, DNA Sequencing Exons 4-9
☐ CLLDF	Chronic Lymphocytic Leukemia, Diagnostic FISH
☐ CLLMF	Chronic Lymphocytic Leukemia, Specified FISH
☐ SLL	Small Lymphocytic Lymphoma, FISH, Tissue

For CLLMF, **must** specify probe sets to be performed. For SLL, **must** select **either** individual probes listed below or entire panel

☐ D6Z1/MYB	-6/6q deletion
☐ D11Z1/ATM	-11/11q deletion
☐ D12Z3/MDM2	+12
☐ D13S319/LAMP1	-13/13q deletion
☐ TP53/D17Z1	-17/17p deletion
☐ CCND1/IGH	t(11;14)(q13;q32)
☐ IGH/BCL3	t(14;19)(q32;q13)

☐ **Perform entire panel**

*** Algorithms are available online for these tests.
Visit www.MayoClinicLabs.com

Patient Information (required)

Patient ID (Medical Record No.)	Client Account No.
Patient Name *(Last, First, Middle)*	Client Order No.
Birth Date *(mm-dd-yyyy)*	

☐ TLPDF T-Cell Lymphoma, Diagnostic FISH

☐ TLPMF T-Cell Lymphoma, Specified FISH

For TLPMF: **must** specify probe sets to be performed.

- ☐ TCL1A BAP 14q32.1 rearrangement
- ☐ TRAD BAP 14q11.2 rearrangement
- ☐ D7Z1/D7S486 i(7q)
- ☐ D8Z2/MYC +8

☐ TLYM T-Cell Lymphoma, FISH, Tissue

Must select probes listed or entire panel.

- ☐ TCL1A BAP 14q32 rearrangement
- ☐ TRAD 14q11.2 rearrangement
- ☐ D7Z1/D7S486 -7/iso(7q)
- ☐ D8Z2/MYC +8
- ☐ ALK BAP 2p23 rearrangement
- ☐ TP63 BAP 3q28 rearrangement
- ☐ IRF4 (DUSP22) BAP 6p25.3 rearrangement

☐ **Perform entire panel**

Congenital Infantile Leukemia

☐ CILDF Congenital Infantile Leukemia, Diagnostic FISH

☐ CILPF Congenital Infantile Leukemia, FISH

☐ CILMF Congenital Infantile Leukemia, Specified FISH

For CILMF: **must** specify probe sets to be performed.

- ☐ MLL (KMT2A) 11q23 rearrangement
- ☐ AFF1/MLL t(4;11)(q21;q23)
- ☐ MLLT4(AFDN)/MLL t(6;11)(q27;q23)
- ☐ MLLT3/MLL t(9;11)(p22;q23)
- ☐ MLLT10/MLL t(10;11)(p12;q23)
- ☐ MLL/ELL t(11;19)(q23;p13.1)
- ☐ MLL/MLLT1 t(11;19)(q23;p13.3)
- ☐ KAT6A/CREBBP t(8;16)
- ☐ D8Z2/MYC Trisomy 8
- ☐ RBM15/MKL1 t(1;22)+13/+21, 13q14, and 21q22
- ☐ MYH11/CBFB inv(16)
- ☐ CBFB break-apart 16q22 rearrangement
- ☐ RUNX1T1/RUNX1 t(8;21)
- ☐ PML/RARA t(15;17)
- ☐ RARA break-apart 17q21 rearrangement
- ☐ D5S630/EGR1 -5/5q-
- ☐ D7Z1/ D7S486 -7/7q-
- ☐ RPN1/MECOM inv(3) or t(3;3)
- ☐ MECOM break-apart 3q26.2 rearrangement
- ☐ DEK/NUP214 t(6;9)
- ☐ ETV6 break-apart 12p13 rearrangement
- ☐ MNX1/ETV6 t(7;12)(q36;p13)
- ☐ GLIS2/CBFA2T3 inv(16)
- ☐ NUP98 break-apart 11p15.4 rearrangement
- ☐ HOXA9/NUP98 t(7;11)(p15;p15.4)
- ☐ CDKN2A/D9Z1 +9/9p-
- ☐ CDKN2A/D9Z1 t(9;22)
- ☐ ABL1 break-apart 9q34 rearrangement
- ☐ TP53/D17Z1 -17/17p-
- ☐ PBX1/TCF3 t(1;19)(q23;p13)
- ☐ D4Z1/D10Z1/D17Z1 Hyperdiploidy, +4,+10,+17:
- ☐ ETV6/RUNX1 fusion, iAMP21 t(12;21)(p13;q22)
- ☐ ETV6 break-apart 12p13 rearrangement
- ☐ IGH break-apart 14q32 rearrangement
- ☐ CRLF2 rearrangement t(Xp22.33;var) or t(Yp11.32;var)
- ☐ CRLF2/IGH t(X;14)(p22.33;q32) or t(Y;14)(p11.32;q32)
- ☐ P2RY8 rearrangement t(Xp22.33;var) or t(Yp11.32;var)
- ☐ MYC break-apart 8q24.1 rearrangement
- ☐ ABL2 break-apart 1q25 rearrangement
- ☐ PDGFRB break-apart 5q33 rearrangement
- ☐ JAK2 break-apart 9p24.1 rearrangement
- ☐ ABL1 break-apart 9q34 rearrangement
- ☐ IKZF1/CEP7 7p-
- ☐ TLX3/BCL11B t(5;14)
- ☐ TRB break-apart 7q34 rearrangement
- ☐ MYB/TRB fusion t(6;7)
- ☐ TRB/TLX1 t(7;10)
- ☐ TRB/LMO1 t(7;11)
- ☐ TRB/LMO2 t(7;11)
- ☐ TRAD break-apart 14q11.2 rearrangement
- ☐ MYB/TRAD t(8;14)
- ☐ TLX1/TRAD t(10;14)
- ☐ LMO1/TRAD t(11;14)
- ☐ LMO2/TRAD t(11;14)
- ☐ MLLT10/PICALM t(10;11)
- ☐ TAL1/STIL 1p33 rearrangement

T Cell

T-Cell Receptor Gene Rearrangement

- ☐ TCGR PCR, Blood
- ☐ TCGBM Bone Marrow***
- ☐ TCGRV Varies

☐ SZDIA Sezary Diagnostic Flow Cytometry, Blood

☐ SZMON Sezary Monitoring Flow Cytometry, Blood

☐ TALAF T-Cell Acute Lymphoblastic Leukemia/ Lymphoma (ALL), FISH, Adult

☐ TALPF T-Cell Acute Lymphoblastic Leukemia/ Lymphoma (ALL), FISH, Pediatric

☐ TALMF T-Cell Acute Lymphoblastic Leukemia/ Lymphoma (ALL), Specified FISH

For TALMF: **must** specify probe sets to be performed.

- ☐ TAL1/STIL 1p33 rearrangement
- ☐ TLX3/BCL11B t(5;14)
- ☐ PDGFRB break-apart 5q33 rearrangement
- ☐ TRB break-apart 7q34 rearrangement
- ☐ MYB/TRB t(6;7)(q23;q34)
- ☐ TRB/TLX1 t(7;10)(q34;q24)
- ☐ TRB/LMO1 t(7;11)(q34;p15)
- ☐ TRB/LMO2 t(7;11)(q34;p13)
- ☐ CDKN2A/D9Z1 +9/9p-
- ☐ JAK2 break-apart 9p24.1 rearrangement
- ☐ ABL1/BCR t(9;22) or ABL1 amplification
- ☐ ABL1 break-apart 9q34 rearrangement
- ☐ MLLT10/PICALM t(10;11)
- ☐ MLL (KMT2A) break-apart 11q23 rearrangement
- ☐ AFF1/MLL t(4;11)(q21;q23)
- ☐ MLLT4(AFDN)/MLL t(6;11)(q27;q23)
- ☐ MLLT3/MLL t(9;11)(p22;q23)
- ☐ MLLT10/MLL t(10;11)(p12;q23)
- ☐ MLL/ELL t(11;19)(q23;p13.1)
- ☐ MLL/MLLT1 t(11;19)(q23;p13.3)
- ☐ TRAD break-apart 14q11.2 rearrangement
- ☐ MYC/TRAD t(8;14)(q24.1;q11.2)
- ☐ TLX1/TRAD t(10;14)(q24;q11.2)
- ☐ LMO1/TRAD t(11;14)(p15;q11.2)
- ☐ LMO2/TRAD t(11;14)(p13;q11.2)
- ☐ TP53/D17Z1 -17/17p-

☐ TLBLF T-Lymphoblastic Leukemia/Lymphoma, FISH, Tissue

For TLBLF: **must** specify probe sets to be performed.

- ☐ TAL1/STIL 1p33 rearrangement
- ☐ TLX3/BCL11B t(5;14)
- ☐ TRB break-apart 7q34 rearrangement
- ☐ CDKN2A/D9Z1 9p-
- ☐ ABL1/BCR t(9;22) or ABL1 amplification
- ☐ MLLT10/PICALM t(10;11)
- ☐ MLL (KMT2A) break-apart 11q23
- ☐ TRAD break-apart 14q11.2 rearrangement
- ☐ TP53/D17Z1 -17/17p-

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MYELOPROLIFERATIVE NEOPLASM (MPN)

BCR/ABL1 Testing

Diagnostic

☐ BCRFX	BCR/ABL1 Qualitative Diagnostic Assay with Reflex to BCR/ABL1 p190 Quantitative Assay or BCR/ABL1 p210 Quantitative Assay
☐ BADX	BCR/ABL1, Qualitative, Diagnostic Assay***

Monitoring

☐ BCRAB	BCR/ABL1, p210, mRNA Detection, Reverse Transcription-PCR (RT-PCR), Quantitative, Monitoring Chronic Myeloid Leukemia (CML)
☐ BA190	BCR/ABL1, p190, mRNA Detection, Reverse Transcription-PCR (RT-PCR), Quantitative, Monitoring Assay

Additional

☐ BAKDM	BCR/ABL1, Tyrosine Kinase Inhibitor Resistance, Kinase Domain Mutation Screen, Sanger Sequencing

JAK2-CALR-MPL-JAK2V671F Testing

☐ MPNR	Myeloproliferative Neoplasm, JAK2 V617F with Reflex to CALR and MPL
☐ PVJAK	Polycythemia Vera, JAK2 V617F with Reflex to JAK2 Exon 12-15, Sequencing for Erythrocytosis

JAK2 V617F Mutation Detection

☐ JAK2B	Blood***
☐ JAK2M	Bone Marrow***
☐ JAK2V	Varies

☐ CALR	CALR Mutation Analysis, Myeloproliferative Neoplasm (MPN)***
☐ MPNCM	Myeloproliferative Neoplasm, CALR with Reflex to MPL
☐ MPLVS	MPL Exon 10 Mutation Detection

JAK2 Exon 12 and Other Non-V617F Mutation Detection

☐ JAKXB	Blood***
☐ JAKXM	Bone Marrow

MISCELLANEOUS MYELOPROLIFERATIVE NEOPLASM (MPN)

☐ CSF3R	CSF3R Exon 14 and 17 Mutation Detection by Sanger Sequencing
☐ EOSDF	Chronic Eosinophilia, Diagnostic FISH
☐ EOSMF	Chronic Eosinophilia, Specified FISH

For EOSMF: **must** specify probe sets to be performed.

☐ FIP1LI, CHIC2, PDGFRA	4q12 deletion or rearrangement
☐ PDGFRA	4q12 rearrangement
☐ PDGFRB	5q33 rearrangement
☐ PDGFRB/ETV6	t(5;12)
☐ FGFR1	8p11.2 rearrangement
☐ JAK2	9p24.1 rearrangement
☐ ABL1	9q34 rearrangement
☐ BCR/ABL1	t(9;22)

☐ MURA	Myeloma, High Risk with Reflex Probes, Diagnostic FISH Evaluation, Fixed Cell Pellet

KIT Mutation Testing

☐ KITVS	KIT Asp816Val Mutation Analysis
☐ KITE	KIT Mutation Exons 8-11 and 17, Hematologic Neoplasms, Sequencing

MYELOMA, AMYLOIDOSIS, & DYSPROTEINEMIA

Amyloid

☐ FABP	Amyloid Beta-Protein
☐ AMPIP	Amyloid Protein Identification, Paraffin, LC-MS/MS
☐ ATTRZ	TTR Gene, Full Gene Analysis, Varies
☐ FMTT	Familial Mutation, Targeted Testing
☐ TTRX	Amyloidosis, Transthyretin-Associated Familial, Reflex, Blood
☐ FATAS	Subcutaneous Fat Aspirate

Myeloma

Is patient on CD38 Therapy? ☐ Yes ☐ No

☐ FLCS	Immunoglobulin Free Light Chains
☐ MSMRT	Mayo Algorithmic Approach for Stratification of Myeloma and Risk-Adapted Therapy Report Bone Marrow
☐ DMOGA	Monoclonal Gammopathy, Diagnostic
☐ MALD	M-Protein Isotype, Matrix-Assisted Laser Desorption-Ionization Time-of-Flight Mass Spectrometry
☐ MRDMM	Multiple Myeloma Minimal Residual Disease by Flow, Bone Marrow
☐ PBLI	Plasma Cell Assessment, Blood
☐ PCPRO	Plasma Cell DNA Content and Proliferation, Bone Marrow
☐ PEISO	Protein Electrophoresis and Isotype
☐ PCPDS	Plasma Cell Proliferative Disorder, FISH, Bone Marrow
☐ MFCDF	Myeloma Fixed Cell, High Risk, FISH
☐ PLASF	Plasma Cell Proliferative Disorder, FISH, Tissue

*** Algorithms are available online for these tests.
Visit www.MayoClinicLabs.com

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