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. | |
| Street 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) |
| National Provider Identification (NPI) | |

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

## Pathology/Clinical (required)

| **Include pathology report.** | | |
|---|---|---|
| Include a reason for testing, suspected diagnosis, brief history, and pertinent laboratory results. | | |
| Bone Marrow Transplant<br>☐ Autologous | ☐ Allogeneic | ☐ Sex mis-match |
| Disease Stage<br>☐ 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.

## Patient Information (required)

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

## Specimens Provided (required)

| | | |
|---|---|---|
| ☐ Blood<br>☐ Bone marrow<br>☐ Fixed cells<br>☐ Cultured cells<br>☐ DNA<br>☐ Lymph node<br>☐ Spleen | ☐ Paraffin block<br>No. sent:<br>Indicate source:<br><br>☐ Slides<br>No. sent: | ☐ Tissue<br>No. sent:<br>☐ Frozen<br>☐ Fixed formalin<br>☐ Wet tissue<br>☐ Other fixative, type:<br><br>☐ 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.

**Ship specimens to:**
Mayo Clinic Laboratories
3050 Superior Drive NW
Rochester, MN 55905

**Customer Service: 800-533-1710**

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

**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)

## 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 | Chromosome Hold |
| ☐ HOLDF | 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 | Paroxysmal Nocturnal Hemoglobinuria, 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 | Hematologic Disorders, Bone Marrow |
| ☐ CHRHB | Hematologic Disorders, Blood |

### Next-Generation Sequencing (NGS)

| | |
|---|---|
| ☐ NGSFX | Reanalysis, AML 4 or 11 Gene Panel |
| ☐ NGPCM | Plasma Cell Myeloma, NGS |
| ☐ NGAMT | AML, 4 Gene, NGS |
| ☐ NGAML | AML, 11 Gene, NGS |
| ☐ NGSHM | Myeloid Neoplasms, NGS |

### Chromosomal Microarray

| | |
|---|---|
| ☐ CMAH | Hematologic Disorders |

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

### Acute Myeloid Leukemia (AML)

| | |
|---|---|
| ☐ FLT | FLT3 Mutation Analysis |
| ☐ IDHQ | IDH1 (R132) and IDH2 (R140 and R172) Quantitative Detection, Droplet Digital PCR |
| ☐ IN16Q | CBFB-MYH11 Inversion(16), Quantitative Detection and Minimal Disease Risk Monitoring, qRT-PCR |
| ☐ NGAML | MayoComplete Acute Myeloid Leukemia, 11-Gene Panel |
| ☐ NGAMT | MayoComplete Acute Myeloid Leukemia, Therapeutic Gene Mutation Panel (FLT3, IDH1, IDH2, TP53), Next-Generation Sequencing |
| ☐ NPM1Q | Nucleophosmin (NPM1) Mutation Analysis |
| ☐ NGSHM | MayoComplete Myeloid Neoplasms, Comprehensive OncoHeme Next-Generation Sequencing |
| ☐ PMLR | PML/RARA Quantitative, PCR |
| ☐ T821Q | RUNX1-RUNX1T1 Translocation (8;21), Minimal Residual Disease Monitoring, Quantitative |
| ☐ 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)

| | |
|---|---|
| ☐ MDSDF | Myelodysplastic Syndrome (MDS), Diagnostic FISH |
| ☐ MDSMF | Myelodysplastic Syndrome (MDS), Specified FISH |
| ☐ 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** | |

| | |
|---|---|
| ☐ UBA1Q | UBA1 Mutation Quantitative Detection, VEXAS syndrome, Droplet Digital PCR |

## BONE MARROW TRANSPLANT

| | |
|---|---|
| ☐ BALLM | B-Cell Lymphoblastic Leukemia Monitoring, Minimal Residual Disease Detection, Flow Cytometry |
| ☐ CHIDB | Chimerism-Donor |
| ☐ CHRGB | Chimerism-Recipient Germline (Pretransplant) |
| ☐ CHIMU | Chimerism Transplant No Cell Sort |
| ☐ CHIMS | Chimerism Transplant Sorted Cells |
| ☐ CLLMD | 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 |

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

## Patient Information (required)

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## LYMPHOID DISORDERS

### B Cell

- ☐ BALLM — B-Cell Lymphoblastic Leukemia Monitoring, Minimal Residual Disease Detection, Flow Cytometry

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

- ☐ 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)
- ☐ CCND1 BAP — 11q13 rearrangement
- ☐ TP53/D17Z1 — Blastoid subtype only: deletion of 17p
- ☐ MYC BAP — Blastoid subtype only: 8q24.1 rearrangement
- ☐ CCND2 BAP — Cyclin D1-negative subtype only: 12p13.32 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**

## Patient Information (required)

| Patient ID (Medical Record No.) | Client Account No. |
|---|---|
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### Chronic Lymphocytic Leukemia (CLL)

- ☐ CLLMD — Chronic Lymphocytic Leukemia (CLL) Monitoring Minimal Residual Disease (MRD) Detection, Flow Cytometry
- ☐ 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**

- ☐ 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

- ☐ CILPF — Congenital Infantile Leukemia, FISH

### 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-

### 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)***
- ☐ JAK2P — AK2P/JAK2 (9p24.1) Rearrangement, Hematologic Disorders, FISH, Tissue
- ☐ 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

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

## Patient Information (required)

| Patient ID (Medical Record No.) | Client Account No. |
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### MISCELLANEOUS MYELOPROLIFERATIVE NEOPLASM (MPN)

| | | |
|---|---|---|
| ☐ | 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 | Lysozyme (Muramidase), Plasma |

#### KIT Mutation Testing

| | | |
|---|---|---|
| ☐ | KITVS | KIT Asp816Val Mutation Analysis |

### MYELOMA, AMYLOIDOSIS, & DYSPROTEINEMIA

#### Amyloid

| | | |
|---|---|---|
| ☐ | AMPIP | Amyloid Protein Identification, Paraffin, Mass Spectrometry |
| ☐ | TTRZ | TTR Gene, Full Gene Analysis |
| ☐ | FMTT | Familial Variant, Targeted Testing |
| ☐ | TTRX | Amyloidosis, Transthyretin-Associated Familial, Reflex, Blood |

#### 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 |
| ☐ | MRDMM | Multiple Myeloma Minimal Residual Disease by Flow, Bone Marrow |
| ☐ | QMPSS | Monoclonal Protein Study, Quantitative, Serum |
| ☐ | PBLI | Plasma Cell Assessment, Blood |
| ☐ | PCPRO | Plasma Cell DNA Content and Proliferation, Bone Marrow |
| ☐ | PCPDS | Plasma Cell Proliferative Disorder, FISH, Bone Marrow |
| ☐ | MFCDF | Myeloma Fixed Cell, High Risk, FISH |
| ☐ | PLASF | Plasma Cell Proliferative Disorder, FISH, Tissue |

Print

*** Algorithms are available online for these tests.
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