

The Ohio State University Wexner Medical Center James Molecular Laboratory

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Date Requested: _____ OSU Account #: _____ U70214 Internal

Name: _____ Date of Birth: _____ Sex: ☐ M ☐ F

Specimen Collection Date: _____ Time: _____ Patient ID: _____ Outside block ID # _____

Biopsy Site (write in/check): _____ ☐ Blood ☐ Aspirate ☐ BM clot (non-decal) ☐ Bone ☐ Colon ☐ Lung ☐ Lymph node ☐ Skin

Fixative (check one); ☐ 10% Formalin ☐ N/A ☐ Other: _____ Ischemic Time: ☐ ≤ 1 hrs **Or** ☐ > 1 hrs; Time in Fixative: ☐ ≤ 6-72 hrs **Or** ☐ > 72 hrs

Clinical Indication (required): _____ ☐ ALL ☐ AML/MDS ☐ CLL ☐ CML ☐ B-NHL ☐ Myeloma ☐ RO CTCL ☐ RO MPN

☐ RO MDS ☐ T-NHL ☐ Brain Tumor/Glioma ☐ Bone ☐ Breast ☐ CRC ☐ CUP ☐ Liver ☐ NSCLC/Lung

Clinic Name: _____ Physician: _____ Physician Signature*: _____

*Prior to ordering any germline genetic testing on the patient, the medical practitioner listed above has obtained an oral or signed, written consent from the patient (or their authorized representative) as required by applicable state law and/or regulations.

Contact Person: _____ Phone: _____ Result to Fax or Email: _____

Sample requirements: Peripheral blood: purple (EDTA); 3-5 ml preferred. Bone Marrow: purple/green; 0.5-1 ml aspirate, 0.25 minimum.

FFPE FISH: 1 H/E + 2 unstained @ 4 micron **positively charged**/coated slide per stain. FFPE Molecular: Block or 1 HE/10 unstained @ 10 micron **non-coated** slide. Fresh Tissue: call (614) 293-0665. *All samples must have 2 identifiers and accompanying Pathology report (Preliminary OK). Ship*

Blood/BM immediately on ice pack; if draw is on a Friday or a Holiday – Store at 4C and ship Monday morning

Ship to: JML Molecular Lab, 2001 Polaris Parkway, Room 1310, Columbus Ohio 43240. Phone 614 293-0665, Fax 614 366-9139.

Multi-test panels are in italics. CPT coding and test information at <https://pathology.osu.edu/divisions/Clinical/molpath/default.htm>

Cancer PCR/Sequencing Tests

- ☐ BCR-ABL1 t(9;22), quantitative PCR
 - ☐ P190 (prior positive only) ☐ P210 (prior positive only)
- ☐ BRAF Mutation Analysis, Exon 15/V600 (Blood/BM/FFPE)
- ☐ BTK and PLCG2, Comprehensive Mutation Profiling (Blood)
- ☐ BTK Resistance Mutation (BTK C481S only)
- ☐ CALR Mutation Analysis
- ☐ CEBPA Mutation Analysis
- ☐ Colon Cancer Mutation Panel (COLMOL) (NGS, FFPE)
- ☐ EGFR Mutation Analysis (exons 19/21, FFPE)
- ☐ EGFR T790M mutation analysis (FFPE)
- ☐ Extended RAS panel: *KRAS ex2-4, BRAF 600/601, NRAS ex2/3*
- ☐ FLT3 ITD/TKD Mutation Analysis (Blood, BM)
- ☐ Hematologic Neoplasm Mutation Panel (Tissue-FFPE, Blood/BM, NGS)
 - ☐ CLL/B-LPD ☐ AML/MDS/MPN
 - ☐ T-cell LPD ☐ High-grade B-LPD
- ☐ IDH1 and IDH2 Mutations (Blood, BM, FFPE)
- ☐ IGH/B-cell Gene Rearrangement, PCR
- ☐ IGVH Somatic Hypermutation (Blood/BM)
- ☐ JAK2 V617 Mutation Analysis (Blood/BM/tissue)
- ☐ *Lung Cancer Biomarker Panel/PULMOL (FFPE)*
[PULNGS & ALK IHC & MET/ROS/RET FISH; submit block only]
 - ☐ *PD-L1 IHC (22C3, Keytruda)*
- ☐ Lung Cancer NGS Mutation Panel only (PULNGS) (NGS, FFPE)
- ☐ Microsatellite Instability (MSI) test only (*tumor & normal*)
- ☐ MGMT Promoter methylation, Tumor (FFPE)
- ☐ MLH1 Promoter Methylation, Tumor (FFPE)
- ☐ MMR IHC (*MLH1, PMS2, MSH2, MSH6*) (FFPE)
- ☐ NPM1 mutation ddPCR (Types A, B and D only)
- ☐ PML-RARA, quantitative PCR (APLQ, Blood/BM)
- ☐ TCRB and TCRG PCR (T-cell clonality)
 - ☐ TCRB only ☐ TCRG only

Genetic Testing (Germline)

- ☐ SMA Gene Dosage Analysis ☐ Diagnostic ☐ Carrier Test
- ☐ Factor V/Leiden ☐ Prothrombin *97G>A ☐ MTHFR A222V
- ☐ Hereditary Hemochromatosis/HFE (Blood)
- ☐ Huntington's disease
- ☐ Myotonic Dystrophy (DM1/DMPK) Comprehensive Analysis
- ☐ SMN1/SMN2 DNA Sequencing

Fluorescence in situ hybridization (FISH) Tests

(FFPE only: Block or H&E/3 4um **plus/coated** US per probe)

- ☐ 1p and 19q, FISH for CNS [block or H&E/6 US 2 uM]
- ☐ 3p/3q, FISH (Renal cancer)
- ☐ ALK, FISH (NSCLC or Lymphoma)
- ☐ BCL2, FISH
- ☐ BCL6, FISH
- ☐ CCND1 (cyclin D1), FISH
- ☐ DDIT3 (CHOP), FISH
- ☐ EGFR, FISH (CNS)
- ☐ EWSR1 (EWS), FISH
- ☐ FGFR1, FISH (Lung, SQCA)
- ☐ HER2, FISH
- ☐ *High-grade lymphoma [BCL2, BCL6, MYC, need 6 US]*
- ☐ *Lung cancer FISH panel [ALK, MET, ROS, RET, need 8 US]*
- ☐ MALT1, FISH (lymphoma)
- ☐ MDM2, FISH
- ☐ MET, FISH
- ☐ MYC, FISH
- ☐ RET, FISH ☐ ROS1, FISH
- ☐ SS18 (SYT1), FISH
- ☐ XY, FISH

Comments