


Molecular Pathology Laboratory

 Department of Pathology and Laboratory Medicine
 6431 Fannin St, MSB 2.221, Houston, TX 77030

Phone: (713) 500-5313 **Fax:** (713) 500-0555

PATIENT IDENTIFICATION

Patient Name (Last, First Middle): _____

MRN: _____

DOB: _____

Diagnosis: _____

ICD Code: _____

CLIENT INFORMATION

Request Date: _____

Requesting Physician: _____

Phone #: _____

Fax #: _____

Email: _____

SPECIMEN INFORMATION
☐ FFPE ☐ Peripheral Blood

☐ Bone Marrow Aspirate

Case # / Block ID: _____

Blocks Provided: _____

Slides Provided: _____

TEST SELECTION

 SELECT THE BOX NEXT TO THE TEST REQUESTED, SAVE FORM TO DESKTOP, THEN EMAIL IT TO utpathngs@uth.tmc.edu
IMMUNOHISTOCHEMISTRY

- ☐ HER2 IHC (with reflex)
☐ MSI (MLH1, MSH2, MSH6, and PMS2)
☐ PD-L1 (Clone 22C3)

FISH

- ☐ HER2
☐ MDM2

QUANTITATIVE PCR

- ☐ BCR::ABL1 (p210, whole blood only)

SOLID TUMOR PANELS

- ☐ Solid Tumor NGS Assay (50 genes)¹

- ☐ Colorectal Cancer Profiling

- **Next Generation Sequencing:** *KRAS, NRAS, HRAS, BRAF, ERBB2 (HER2)*
- **Immunohistochemistry:** MMR/MSI (MLH1, MSH2, MSH6, and PMS2)

- ☐ Lung Cancer Profiling

- **Next Generation Sequencing:** *EGFR, BRAF, KRAS, ERBB2 (HER2), ROS1, ALK*
- **Immunohistochemistry:** PD-L1

- ☐ Melanoma Profiling

- **Next Generation Sequencing:** *BRAF, NRAS, HRAS, KIT, GNAS, CTNNB1, GNAQ, GNA11, PTEN, ROS1*

- ☐ Breast Cancer Profiling

- **Next Generation Sequencing:** *PIK3CA, ESR1*

MYELOID NEOPLASM PANELS

- ☐ Pan-Myeloid Panel (76 genes)²

- ☐ Myeloproliferative Neoplasm (MPN):

- *JAK2, MPL, CALR*

- ☐ Chronic Myelogenous Leukemia (CML):

- *BCR::ABL1* only

- ☐ Acute Promyelocytic Leukemia (APL):

- *PML::RARA* only

- ☐ Chronic and Juvenile Myelomonocytic Leukemia (CMML, JMML):

- *TET2, DNMT3A, ASXL1, EZH2, RUNX1, SETBP1, TP53, CBL, NRAS, KRAS, NF1, PTPN11, JAK2, SF3B1, SRSF2, U2AF1, ZRSR2*

Please enter any additional comments or instructions in the box below:

¹Solid Tumor (Oncomine Precision Assay) gene descriptors

Genes Assayed for DNA Sequence Variants: *AKT1, AKT2, AKT3, ALK, AR, ARAF, BRAF, CDK4, CDKN2A, CHEK2, CTNNB1, EGFR, ERBB2, ERBB3, ERBB4, ESR1, FGFR1, FGFR2, FGFR3, FGFR4, FLT3, GNA11, GNAQ, GNAS, HRAS, IDH1, IDH2, KIT, KRAS, MAP2K1, MAP2K2, MET, MTOR, NRAS, NTRK1, NTRK2, NTRK3, PDGFRA, PIK3CA, PTEN, RAF1, RET, ROS1, SMO, TP53*

Genes Assayed for DNA Copy Number Variations: *ALK, AR, CD274, CDKN2A, EGFR, ERBB2, ERBB3, FGFR1, FGFR2, FGFR3, KRAS, MET, PIK3CA, PTEN*

Genes Assayed for RNA Fusions: *ALK, AR, BRAF, EGFR, ESR1, FGFR1, FGFR2, FGFR3, MET, NRG1, NTRK1, NTRK2, NTRK3, NUTM1, RET, ROS1, RSPO2, RSPO3*

²Myeloid Neoplasm (Oncomine Myeloid Assay) gene descriptors

Genes Assayed DNA Sequence Variants: *ANKRD26, ABL1, ASXL1*, BCOR*, BRAF, CALR*, CBL, CEBPA*, CSF3R, DDX41, DNMT3A, ETV6*, EZH2*, FLT3 (ITD+TKD), GATA2, HRAS, IDH1, IDH2, IKZF1*, JAK2, KIT, KRAS, MPL, MYD88, NF1*, NPM1, NRAS, PHF6*, PPM1D, PRPF8*, PTPN11, RB1*, RUNX1*, SH2B3*, SETBP1, SF3B1, SMC1A, SMC3, SRSF2, STAG2*, TET2*, TP53*, U2AF1, WT1, ZRSR2* (* = full gene assessed)*

Genes Assayed for RNA Fusions: *ABL1, ABL2, BCL2, BRAF, CCND1, CREBBP, EGFR, ETV6, FGFR1, FGFR2, FUS, HMGA2, JAK2, KAT6A (MOZ), KAT68, KMT2A (includes PTD), MECOM, MET, MLLT10, MRTFA (MKL1), MYBL1, MYH11, NTRK2, NTRK3, NUP214, NUP98, PAX5, PDGFRA, PDGFRB, RARA, RUNX1, TCF3, TFE3, ZNF384*

Genes Assayed for RNA Expression: *BAALC, MECOM, MYC, SMC1A, WT1*