



## Solid Tumor Oncology

### Anatomic Pathology

Morphology

Surgical Pathology Consultation [SPC]

Surgical Pathology Professional [SPP]

Immunohistochemistry & Special Stains

Refer to A-Z listing for IHC Markers

## Molecular Oncology

Next Generation Sequencing (NGS)

BRAF Mutation Analysis [M BRAF]

Colorectal Cancer NGS [M COLON NGS

BRAF, KRAS, NRAS

EGFR Mutation Analysis [M EGFR]

GIST NGS - KIT, PDGFRA, BRAF [M ST NGS GIST]

KRAS Mutation Analysis [M KRAS]

## Fluorescence in situ Hybridization (FISH)

ALK 2p23 rearrangement [FP ALK]

BCL6 3q27 rearrangement [FP BCL6]

Burkitt / "Double Hit" Large B-cell Lymphoma Panel

[FP BURKITT] C-MYC, BCL2, BCL6

C-MYC 8q24 rearrangement [FP CMYC]

EGFR amplification 7p11.2 [FP EGFR\*]

HER2/neu Breast Cancer [FP HER2]

HER2/neu Gastric Cancer [FP HER2 GA]

IGH 14q32 rearrangement [FP IGH\*]

IGH/BCL1 (CCND1) t(11;14) [FP BCL1]

IGH/BCL2 t(14;18) [FP BCL2]

IGH/MALT1 t(14;18) [FP IGH MALT]

IGH/MYC t(8;14) [FP IGH MYC\*]

MALT1 18q21 rearrangement [FP MALT]

ROS1 6q22.1 rearrangement [FP ROS1]

## Hematology Oncology

### Anatomic Pathology

Morphology

Bone Marrow Pathology Evaluation [BMPE]

Surgical Pathology Consultation [SPC]

Surgical Pathology Professional [SPP]

Immunohistochemistry & Special Stains

Refer to A-Z listing for IHC Markers

## Flow Cytometry

Flow Cytometry Leukemia / Myeloma / Lymphoma [FLOW]

Flow Cytometry Technical Only [FLOW TC]

Flow Cytometry and Morphology [FLOW M]

Bronchoalveolar Lavage [FLOW BAL]

CD3, CD4, CD8, CD16, CD45, CD4:CD8 ratio

Leukocyte Adhesion Deficiency -CD11a, CD11b, CD11c, CD18

[FLOW LAD\*]

Paroxymal Nocturnal Hemoglobinuria - High Sensitivity

FLAER, CD14, CD24, CD59 [FLOW PNH]

## Molecular Oncology

Next Generation Sequencing (NGS)

IgVH Somatic Hypermutation [M IgVH]

MYD88 p.L265P Mutation [M MYD88]

Myeloid Neoplasms Extended Mutation Panel [M MYELOID EXTENDED]

JAK2 (V617F and Exon 12), CALR (Type 1 and 2), MPL, ASXL1,

CBL, CSF3R, DUNMT3A, ETV6/TEL, EZH2, IDH1, IDH2, KIT, KRAS,

NRAS, RUNX1, SETBP1, SF3B1, SRSF2, STAG2, TET2, TP53, U2AF1,

ZRSR2

Polymerase Chain Reaction (PCR)

ABL Kinase Gene Mutation; Gleevec® Resistance [M ABL G\*]

AML Mutation Analysis - FLT3, NPM1 [M AML]

B-cell Immunoglobulin Heavy Chain Gene Rearrangement [M BCELL]

B-cell Immunoglobulin Kappa Light Chain Rearrangement [M IGK\*]

BCR/ABL qRT PCR Major p210 & Minor p190 transcripts [M BCR ABL]

CEBPA Mutation [M CEBPA\*]

FLT3 Mutation [M FLT3\*]

JAK2 V617F Mutation [M JAK2]

KIT Mutations in AML [M KIT AML]

KIT D816V Mutation [M KIT P\*]

NPM1 Mutation [M NPM1]

PML RARA Short and Long form by qRT PCR [M PML RARA\*]

T-Cell Receptor Gamma Gene Rearrangement [M TCR]



## Hematology Oncology

### Fluorescence in situ Hybridization (FISH)

#### Hematology Panels

Burkitt / "Double Hit" Large B-cell Lymphoma Panel [F BURKITT]  
[C-MYC, BCL2, BCL6]

Chronic Lymphocytic Leukemia Panel [F CLL]  
[MYB (6q23), ATM (11q22.3), +12, DLEU1 (13q14.3), TP53 (17p13)]

Myelodysplasia Panel [F MDS] [-5/5q-, -7/7q-, +8, 20q-]

Myeloproliferative Neoplasms Panel [F MPD]  
[+8, t(9;22), 13q-, 20q-]

Plasma Cell Neoplasm Panel [F MM]  
[1p-, 1q+, +5, +9, t(11;14), 13q-, +15, 17p-] reflex t(4;14) / t(14;16)

## Hematology Probes

AML1(RUNX1)/ETO(RUNX1) t(8;21) [F AML ETO]

ATM/CEP11 deletion 11q22.3 [F ATM]

BCL6 3q27 rearrangement [F BCL6]

BCR/ABL1 t(9;22) [F BCR ABL]

CBFB t(16;16), inv(16) [F CBFB]

C-MYC 8q24 rearrangement [F CMYC]

Deletion 7q22 [D7S796, D7S658]/7q31.2 [D7S486] [F 7q]

Deletion 13q14.3 [F D1314]

Deletion 20q12 [F D20]

EGR1 5q deletion, monosomy 5 [F EGR1]

FIPIL1/PDGFR4 4q12 gene rearrangement [F 4q12]

IGH 14q32 rearrangement [F IGH\*]

IGH/BCL1 (CCND1) t(11;14) [F BCL1]

IGH/BCL2 t(14;18) [F BCL2]

IGH/FGFR3 t(4;14) [F FGFR3]

IGH/MAF t(14;16) [F IGH MAF]

IGH/MALT1 t(14;18) [F IGH MALT]

IGH/MYC t(8;14) [F IGH MYC\*]

MALT1 18q21 rearrangement [F MALT]

MLL (KMT2A) 11q23 Gene Rearrangement [F MLL]

MYB 6q deletion [F MYB]

PDGFRB Gene Rearrangement [F PDGFRB]

PML/RARA t(15,17) [F PML RARA]

TP53 17p13 deletion [F P53]

Trisomy 5, 9, 15 [F T5T9T15]

Trisomy 8 [F T8]

F ETV6::RUNX1/t(12;21)

## Cytogenetics

Chromosome Analysis Bone Marrow [CYTO BM]

Chromosome Analysis Lymphoma (Lymph Node) [CYTO LN]

Chromosome Analysis Leukemic Peripheral Blood [CYTO LPB]

## Women's Health

### STD and Infectious Disease

Chlamydia Trachomatis, Qualitative by Aptima COMBO® 2 TMA [CT]

Human Papillomavirus Genotyping [HPV G]

Human Papillomavirus High Risk by Aptima HPV [HPV HR]

Herpes Simplex Virus Type 1 and 2 Qualitative by PCR [HSV]

Neisseria Gonorrhoeae Qualitative by Aptima COMBO® 2 TMA [NG]

Trichomonas Vaginalis by Aptima [TV]

## Other

### Fluorescence in situ Hybridization (FISH)

Bladder Cancer Panel [+3,+7,+17,9p21-] [F URO]

### Cytogenetics

Chromosome Analysis Peripheral Blood (Constitutional) [CYTO PB]

\*Performed by affiliate laboratory Revised NOV2022