



Routine Diagnostics:

Anatomic Pathology:

Routine tissue preparation and interpretation

Cytopathology

Immunohistochemistry (IHC) Antibodies (Refer to online IHC Menu)

In-situ-Hybridization Probes (ISH) (Refer to online ISH Menu)

Immunofluorescence

Clinical Pathology:

General Chemistry

Hematology

Flow Cytometry

Microbiology

Urinalysis

Allergy Testing

Hormone Testing

General Immunology



Molecular Diagnostics:

Next Generation Sequencing:

Pan-Cancer Mutation Panel

ABL1	AKT1	ALK	APC	ATM	BRAF	CDH1
CSF1R	CTNNB1	EGFR	Her2	ERBB4	FBXW7	FGFR1
FGFR2	FLT3	GNA11	GNAQ	GNAS	HRAS	IDH1
JAK2	JAK3	KDR	KIT	KRAS	MET	MLH1
MPL	NOTCH1	NPM1	NRAS	PDGFRA	PIK3CA	PTEN
PTPN11	RET	SMAD4	SMARCB1	SMO	SRC	TP53

Pan-RAS Mutation

High Resolution Chromosomal Microarray Analysis (CMA)

Molecular Oncology Assays:

Prosigna Breast Cancer Prognostic Gene Signature Assay

KRAS codon 12/13 mutation analysis, by DNA sequencing

NRAS codon 61 mutation analysis, by DNA sequencing

BRAF codon 600/601 mutation analysis, by DNA sequencing

BRAF codon 600 mutation analysis, by PCR (FDA approved as companion diagnostic for melanoma)

EGFR analysis for mutations in codons 719/768/790/858/861, deletions in exon 19, and insertions in exon 20, by DNA sequencing

JAK2 codon 617 mutation analysis, by PCR

NPM1 exon 12 insertion/deletion analysis

Bone Marrow Engraftment Assay quantifies level of recipient DNA

Microsatellite Instability Analysis identifies mismatch repair defects by testing for length changes in DNA microsatellite repeats

Clonal Rearrangement of the IGH gene, by PCR

Clonal Rearrangements of the T cell Receptor Gamma Gene, by PCR



Molecular Infectious Disease Assays:

MRSA Screening

Respiratory Virus Panel

HIV-1 RNA, Quantitative PCR

Hepatitis B, Quantitative PCR

Hepatitis C, Quantitative PCR

HCV Viral Load with Genotype

BK Virus, Quantitative PCR

CMV, Quantitative PCR

CMV, Semi-Quantitative for Non-Blood Specimens

Chlamydia and Gonorrhea, Qualitative PCR

Chlamydia and Gonorrhea, Qualitative PCR for ThinPrep

High-Risk HPV, Qualitative

Cytogenomics:

Cytogenetic analysis (BM, BC, LN, or Leukemia Blood)

Postnatal with reflex testing to chromosome microarray

Cancer

Fluorescence in situ hybridization (FISH)

Postnatal

Cancer

Highlights:

APL: Rapid TAT for PML/RARA

Burkitt: Rapid TAT for MYC/IGH@

Plasma Cell Enrichment Testing for Plasma Cell Myeloma

Plasma Cell Myeloma

Novel Cocktail For Growing CLL Cultures



Solid Tumors:

Oligodendroglioma
Glioblastoma
Gastric Her2/neu
Liposarcoma
Non-small cell lung cancer
Urovysion: Bladder Cancer
Thyroid Cancer (In Process)

Disease Panels:

Acute Myeloid Leukemia Panel
Myelodysplastic Syndrome (MDS) Panel
Myeloproliferative Neoplasm Panel
Eosinophilia Panel
B-Acute Lymphoblastic Leukemia (ALL) Panel
T-Acute Lymphoblastic Leukemia (ALL) Panel
Chronic Lymphocytic Leukemia Panel
Lymphoma Panel
Plasma Cell Myeloma Panel
Plasma Cell Myeloma Panel on CD138 enriched cells by FISH