

PRACTICE SUPPORT SERVICES

Pathology Consultative Services

- Experienced staff of more than 60 pathologists with the following subspecialties:
 - Cytopathology
 - Dermatopathology
 - Gynecologic and cervical pathology
 - Head and neck pathology
 - Hematopathology
 - Immunopathology
 - Molecular pathology
 - Neuropathology
 - Orthopedic pathology
 - Transfusion medicine/blood banking
 - Uropathology
- Strong partnerships with nationally recognized specialty pathologists

Novel Business Solutions

Contact your local sales representative to discuss ways that Integrated Oncology can help you enhance laboratory services in your practice.

Interactive Products

GOLD CONNECT®/PATHways

- Secure, web-based client portals for online results and reporting
- Streamlined, flexible work list for real-time tracking of specimen receipt and results
- Access to Integrated Oncology's suite of virtual (TC) pathology products
- Correlative reporting for combined test results from Integrated Oncology and the local hospital

Virtual Image

- Web-based application providing high-resolution IHC images for online interpretation and reporting
- Whole-slide imaging for prognostic breast cancer cases
 - Quantitative image analysis
- Whole-slide imaging for diagnostic IHC cases
 - Evaluate slides online prior to glass slides being returned

Virtual Flow Cytometry

- Web-based application providing histograms and flow cytometry data for online interpretation and reporting
- Enables timely review and interpretation of flow cytometry cases

Comprehensive IT and Reporting Solutions

- Web-based connectivity solutions that integrate with more than 350 EMR systems
- Connectivity solutions to help simplify the ordering, receiving, retrieval, and tracking of laboratory test results, combining clinical and anatomic pathology results into one location

LAB LOCATIONS

Arizona

Integrated Oncology
5005 South 40th Street
Phoenix, AZ 85040
800-710-1800
Fax 800-481-4151

New York

Integrated Oncology
521 West 57th Street, Sixth Floor
New York, NY 10019
800-447-5816
Fax 212-258-2143

North Carolina

LabCorp Center for Molecular
Biology and Pathology
1912 Alexander Drive
Research Triangle Park, NC 27709
800-345-4363
Fax 919-361-7798

Tennessee

Integrated Oncology
201 Summit View Drive, Suite 100
Brentwood, TN 37027
800-874-8532
Fax 615-370-8074



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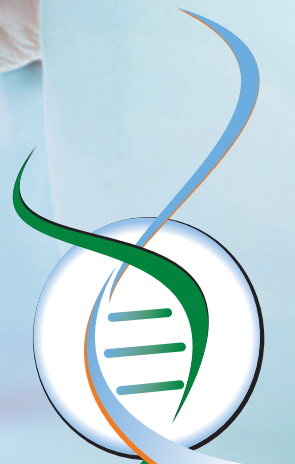
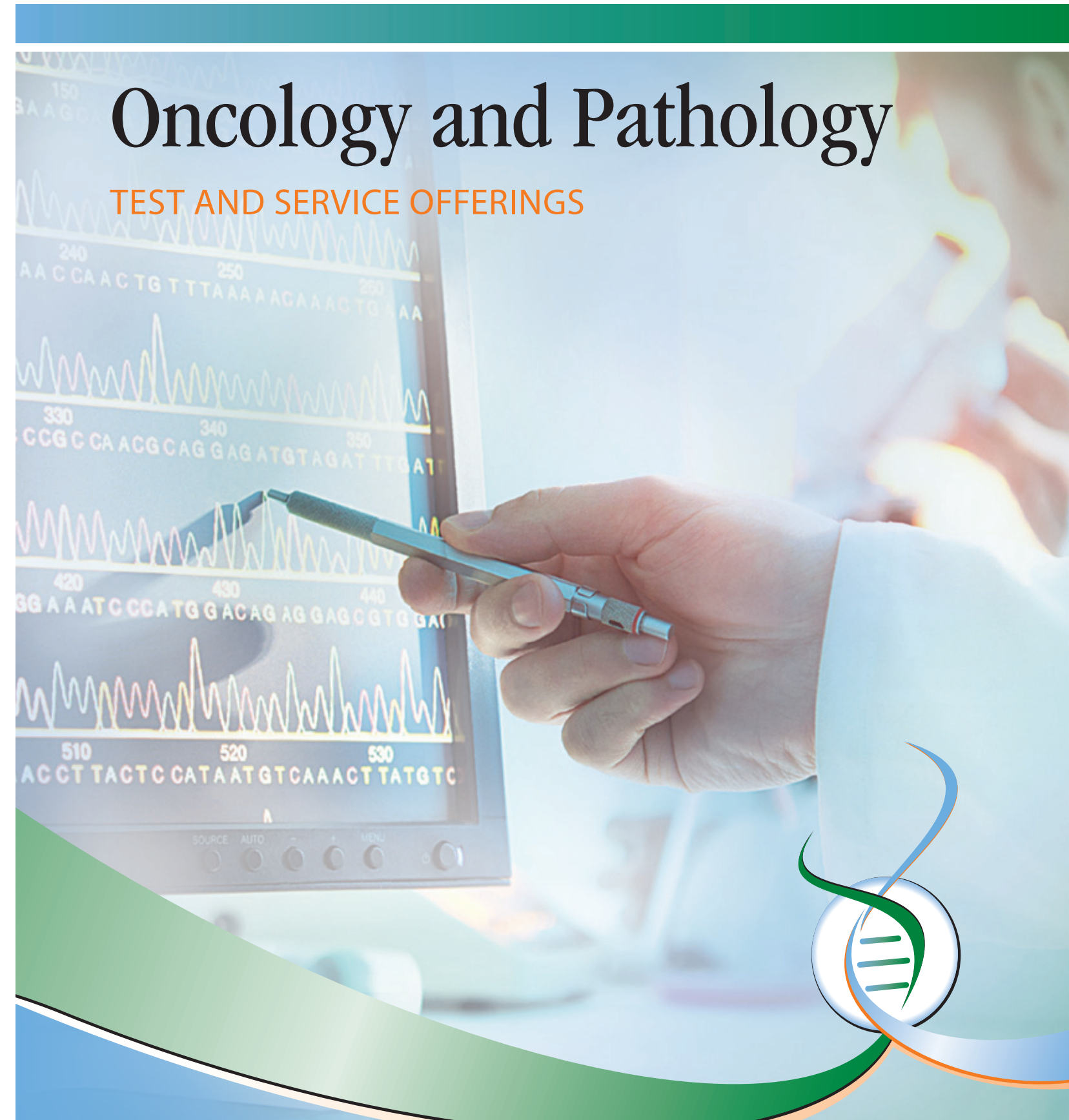
www.integratedoncology.com



LabCorp Specialty Testing Group

Oncology and Pathology

TEST AND SERVICE OFFERINGS



COMPREHENSIVE SERVICES

Hematopathology - Diagnostic Services

Comprehensive Hematopathology Analysis

- Morphology, flow cytometry, cytogenetics with reflex to IHC, FISH, and/or PCR as necessary
- Hematopathologist will select testing based on medical necessity
- Prognostic reflex testing using a rules-based approach

Bone Marrow and Peripheral Blood

- Surgical pathology consultation
- Second opinion
- Special stains

Cytogenetics

- Blood
- Bone marrow
- Solid tumor

Flow Cytometry

- Comprehensive leukemia/lymphoma assessment
- ZAP70/CD38 after CLL diagnosis
- CLL-MRD (minimal residual disease)
- Paroxysmal nocturnal hemoglobinuria (PNH) with FLAER

Fluorescence In Situ Hybridization (FISH)

- FISH probe library – 46 hematologic markers
- Disease-specific FISH profiles

Immunohistochemistry (IHC)

- Antibody library – More than 80 hematologic markers

Reveal[®] SNP Microarray

- Whole-genome coverage that is more comprehensive than targeted FISH analysis and provides more than 100 times the resolution of cytogenetics for copy number changes
- 2.6 million copy number and allele-specific genomic sites
- Applications in CLL, MDS, and MM

Hematopathology - FISH and Molecular

Acute Myelogenous Leukemia (AML)

- AML FISH profile
- CEBPA mutation analysis by PCR
- cKIT mutation analysis by PCR
- FLT3 mutation analysis by PCR
- NPM1 mutation analysis by PCR
- PML/RARA, t(15;17) by quantitative RT-PCR

Acute Lymphocytic Leukemia (ALL)

- ALL FISH profile
- BCR/ABL1, t(9;22) by FISH and quantitative RT-PCR
- Hyperdiploidy by FISH

Acute Promyelocytic Leukemia (APL)

- PML/RARA, t(15;17) by FISH and quantitative RT-PCR

Chronic Myelogenous Leukemia (CML)

- ABL kinase domain mutation analysis
- BCR/ABL1, t(9;22) by FISH and quantitative RT-PCR

Chronic Lymphocytic Leukemia (CLL)

- CLL FISH profile
- TP53 (17p-) by FISH
- IgVH mutation analysis
- Minimal residual disease (MRD) by flow cytometry
- p53 mutation analysis

Follicular Lymphoma

- IGH/BCL2, t(14;18) by FISH

Hypereosinophilic Syndrome Disorders (HES)

- HES analysis by FISH
 - FGFR1
 - FIP1L1
 - PDGFRA
 - PDGFRB

Multiple Myeloma (MM)

- MM FISH profile
- Plasma cell-enriched prognostic FISH profile
 - Includes 1q21 (CKS1B)

Myeloproliferative Neoplasms (MPN)

- MPN FISH profile
- JAK2 exon 12 (Qual and Quant)
- JAK2 V617F mutation analysis
- CALRET mutation analysis
- MPL 515 Mutation

Non-Hodgkin Lymphoma (NHL)

- NHL FISH probes
- B-cell gene rearrangement by PCR (IgH, IgK)
- T-cell gene rearrangement by PCR (TRG, TRB)

Solid Tumor - Diagnostic Services

Complex Tumor Analysis

- Comprehensive tumor analysis, including differential diagnosis of carcinoma unknown primary
- Histologic evaluation with the application of IHC, FISH, ISH, and/or molecular testing as necessary to establish a diagnosis

Gastrointestinal Stromal Tumor (GIST)

- GIST comprehensive diagnostic evaluation
- BRAF mutation analysis
- CD117, CD34, DOG1 by IHC
- cKIT mutation analysis
- PDGFRA mutation analysis

Immunohistochemistry and FISH

- More than 270 IHC antibodies for solid tumor and hematolymphoid neoplasms
- More than 35 disease-specific profiles of clinically-relevant IHC markers
- More than 75 solid tumor and hematologic FISH probes

Infectious Agents by IHC and ISH

- Adenovirus
- Cytomegalovirus
- Epstein-Barr virus (EBER)
- Epstein-Barr virus (LMP1)
- Helicobacter pylori (H. pylori)
- Hepatitis B core and surface antigen (HBcAg/HBsAg)
- Hepatitis C antigen
- Herpes simplex virus (HSV)
- Human papilloma virus (HPV) tissue subtype (high risk/low risk)
- Parvovirus
- PML (JC) virus
- Pneumocystis carinii
- Toxoplasma
- Varicella-zoster virus

Lynch Syndrome (HNPCC)

Tumor Testing

- Comprehensive diagnostic evaluation for Lynch syndrome, with all necessary testing directed by our pathologists
- BRAF mutation analysis
- Microsatellite instability (MSI) by PCR
- MLH1, MSH2, MSH6, PMS2 by IHC

Genetic Testing

- MLH1, MSH2, MSH6, PMS2 gene sequencing and deletion/duplication analysis
- MLH1, MSH2, MSH6, PMS2 familial testing of known mutations
- EPCAM deletion/duplication analysis

Solid Tumor - Prognostic/Predictive/Monitoring

Breast Cancer

- BRCA^{Assure}[®] BRCA1/2 Analysis
- Circulating tumor cells (CTCs)
- EGFR by IHC
- ER and PR by IHC
- HER2 by IHC, FISH and ISH
- HERmark[®]
- Ki-67 by IHC
- p53 by IHC
- PIK3CA mutation analysis
- Prosigna[®] Breast Cancer Prognostic Gene Signature Assay
- Tamoxifen CYP2D6 genotyping

Colorectal Cancer and Gastric Cancer

- Comprehensive predictive panel: KRAS/NRAS extended panel, BRAF, MSI (PCR)
- BRAF mutation analysis
- Circulating tumor cells (CTCs)
- DPD 5-FU polymorphism
- EGFR by IHC and FISH
- HER2 by IHC, FISH, and ISH
- KRAS extended mutation analysis (exons 2, 3, 4)
- NRAS extended mutation analysis (exons 2, 3, 4)
- PIK3CA mutation analysis
- Thymidylate synthase (TS) by IHC
- UGT1A1 irinotecan toxicity

Gastrointestinal Stromal Tumor (GIST)

- BRAF mutation analysis
- cKIT mutation analysis
- PDGFRA mutation analysis

Lung Cancer

- Comprehensive predictive panel: EGFR mutation, KRAS, ALK, and ROS1 by FISH
- Adenocarcinoma vs. squamous cell carcinoma by IHC
- ALK (5A4) by IHC
- ALK rearrangement by FISH
- EGFR by FISH
- EGFR mutation analysis
- ERCC1 by IHC
- HistoPlus[®]: Lung Cancer
- KRAS mutation analysis
- MET expression by IHC
- MET amplification by FISH
- RET rearrangement by FISH
- ROS1 rearrangement by FISH

Melanoma

- BRAF gene mutation analysis (V600 E/K)

Neuropathology

- 1p19q by FISH
- MGMT methylation

Next Generation Sequencing Assay

- IntelliGEN[®] Oncology Therapeutic Panel