



Our Premier Molecular Dx Services

OncoTarget™ 88

OncoDefender™

CystoSnap™

ThyroiNow™

BRCAnow™

"Know what your patient's future holds, **NOW**"

GOPATH LABORATORIES

About Us

GoPath Laboratories is a full-service molecular genetics and anatomic pathology diagnostic reference laboratory providing cutting-edge testing technologies, lab partnerships, consultative support and offers an interactive pathology education with a focus on cancer.

By utilizing its multiple technology platforms, including Next Generation Sequencing (NGS), GoPath's test menu provides clinicians with a better defined diagnosis, more personalized treatment options, and a risk prediction for cancer recurrence that traditional pathology cannot offer.

Mission

The mission of GoPath Laboratories is to provide premier pathology services through outstanding diagnosis & prognosis, results-driven research, education, and strong consultative support with dedication toward improving the well-being of the communities it services.

Vision

GoPath Laboratories strives to be a premier molecular and anatomic pathology laboratory based on the superiority of our people, our patient-driven research and science.

Values

Service: Specialized, dedicated pathologists and molecular biologists, GoPath collaborates with clinicians working towards a common goal of servicing the best interests of its patients through passion, care and the highest standards of professionalism.

Innovation: GoPath strives to incorporate the latest technologies in its molecular diagnostic and R&D divisions. Its scientists work rigorously developing the most cutting edge molecular genetic tests to ensure our pathologists make the most definitive diagnosis and provide clinicians with in-depth information on the patient's prognosis and treatment options.

Education: GoPath's complimentary online global pathology portal: www.gopathdx.com is a leader in online pathology education with key relevant discussion topics through lectures, journals, job postings, medical books and an interactive case blog.



MOLECULAR Dx SERVICES



MOLECULAR Dx SERVICES (cont.)

Oncology

OncoTarget™ - 88

This NGS-based panel detects genetic alterations of whole exons in 88 well-characterized cancer genes for point mutations, copy number alterations, and rearrangements. Further in-depth computational analyses allows for the precise identification of targeted oncogenic mutations that provides therapeutical options.

OncoTarget™ - 48

This NGS-based panel detects actionable hotspot mutations of 48 cancer genes most relevant to target cancer therapy. The test offers an affordable, yet informative method to identify mutations for cancer targeted therapies.

CystoSnap™

This molecular test for FGFR3 mutational analysis for Urothelial Carcinoma (UC) in the urine with high sensitivity and specificity.

ThyroiNow™ - Digital Panel

ThyroiNow™ is a highly sensitive molecular test for the most common thyroid mutations in an urine test. (BRAF, NRAS, KRAS) It eliminates false negatives in diagnosing thyroid cancer.

OncoDefender™ - Early CRC Risk Analysis

OncoDefender-CRC is a molecular test that can predict recurrence of risk for early stage CRC (Stage I/II).

Genetics

BRCA^{now}™ HBOC (BRCA 1/2)

GoPath offers several versions of the BRCA^{now}™ assay panel including BRCA^{now}™ Basic, BRCA^{now}™ Plus and BRCA^{now}™ Extended to give your patients more flexibility and accurate testing for their specific needs.

Lynch^{now}™ / HNPCC Hereditary Panel

Comprehensive screening protocol that not only detects the disorder rapidly but lowers costs. The protocol screens for DNA mismatch repair (MMR) proteins by way of immunohistochemistry. This process allows the clinician to make a rapid decision for the patient.

- MLH1 Methylation (MethylTek™)
- MMR, (MSH2, MSH6, MLH1, PMS2)
- Microsatellite Instability (MSI), BRAF reflex to MethylTek
- Lynch Gene Sequencing

Familial Adenomatous Polyposis (FAP)

Assay detects an inherited genetic mutation in your patient in which numerous adenomatous polyps form. Mutations of APC occurs commonly in cases of colorectal carcinoma, emphasizing the importance of testing for your patients.

Immunohistochemistry

Our immunohistochemistry test menu provides over 150 specific antibodies, targeted panels, and the most relevant special stains for your convenience.

PATHOLOGY SERVICES

Specialized GI-Liver and GU Pathology

- Specialized Services
- 24-48 Hour Turnaround Time
- Pathology Resource Portal
- Diagnosis with Integrated Clinical Correlation
- Prostate, Bladder, Vas Deferens, Upper/Lower GI and Liver Diagnosis
- Designated Pathology Sign Out
- Consultative Support
- On-Site Molecular Testing for Personalized Cancer Therapy
- Comprehensive Special Stain and Antibody Library

Hematopathology

- Bone Marrow Evaluation
- Peripheral Blood Smear Morphology
- Flow Cytometry
- Cytogenetics of FISH

"Driven by patient care, GoPath Laboratories has set a new standard in cancer diagnostic testing by delivering a test menu designed to encompass all of the latest technologies in solid tumor & hematologic malignant mutations."

GOPATH LABORATORIES

Sample Requisition and Report



1351 Barclay Blvd., Buffalo Grove, IL 60089
Tel: 855.467.2849 • Fax: 224.588.9941
www.gopathlabs.com

Molecular Dx Requisition

Patient Information (Please Print)

Name (Last, First) _____
Address _____
City, State, Zip _____
☐ Female ☐ Male Date of Birth (M/D/Y) _____
SSN # _____
Specimen ID # _____ Phone # _____

Ordering Physician / Lab

Physician NPI No. _____
Physician's Signature _____

Billing Information (Please provide copy of insurance card.)

Primary Insurance: _____
Secondary Insurance: _____

Place of Service

☐ 11-Office
☐ 22-Outpatient Hospital

ICD-10 Codes

ICD-10 Codes: List all that apply _____

Clinical Information

Clinical and/or Pathology diagnosis _____

Colon Cancer

☐ Anti-EGFR Therapy (Cetuximab or Panitumumab)
☐ KRAS ☐ BRAF ☐ NRAS (reflex)
☐ PIK3CA

Lynch Syndrome/HNPCC

☐ MMR IHC (MSH2, MSH6, MLH1 and PMS2)
☐ BRAF reflex to MLH-1 Methylation
☐ MLH-1 Methylation (MethyTek™)
☐ MSI-PCR

Gastric Cancer

☐ Her-2 FISH (Trastuzumab and chemotherapy)
☐ Her-2 by IHC

GE Junction Cancer

☐ Her-2 FISH (Trastuzumab and chemotherapy)
☐ Her-2 by IHC

Gastrointestinal Stromal Tumor (GIST)

☐ C-kit (CD117) ☐ BRAF
☐ PDGFR

Liver Cancer Prognostic Test (HeproDx™)

☐ Microarray (161 genes) for HCC

Bladder Cancer

☐ Urine-FISH (UroVysion™ reflex on at

Prostate Cancer

☐ PTEN FISH ☐ ERG IHC (prostate)
☐ PCA3 (Dx for prostate cancer)
☐ ConfirmMDx™ (Dx for neg bx)

Lung Cancer (Erlotinib/Tarceva)

☐ KRAS ☐ ROS1 ☐ B
☐ EGFR ☐ PIK3CA ☐ D
☐ ALK-FISH

Breast Cancer

☐ Her-2 FISH ☐ PIK3CA

Tumor of Unknown Primary

☐ Cancer Type ID

Specimen Collection and Handling Procedures

- Formalin-Fixed Paraffin-Embedded (FFPE) tissue blocks are preferred for all testing services.
- Blanks at 4 µm for 10 slides and at 8 µm for 5 slides are acceptable when blocks cannot be provided.
- Specimen types include: endoscopic biopsies, excisional biopsies, core needle biopsies, surgical resections and cell blocks (pleural effusions, ascites).

- Use GoPath Laboratories' provided kit
- Ship specimen at room temperature, d
- Include patient's personal & insurance
- Enclose a copy of the pathology report instructions will be provided to those requesting GoPath's HeproDx™ Test.

To view reports, please visit www.gopathlabs.com and click Online Reporting.

X _____ Patient/Responsible Party Signature WHITE – Lab Copy CANARY – Chart PINK – Physician/Billing GP-09-1015

Comprehensive BRCA 1/2 Sequencing Analysis Report

Date: 02/16/2016
Order ID: GM16-4086
Order Date: 02/05/2016



Patient Name: JANE DOE

Patient Information	Specimen Information	Physician Information
Name: JANE DOE	Sample Type: Peripheral blood	Referring Physician: DR. JIM LU
DOB: 09/17/1960	Collected: 02/04/2016	Address: 1351 BARCLAY BOULEVARD,
Gender: Female	Received: 02/05/2016	BUFFALO GROVE, IL 60089
Diagnosis: Breast Cancer	Specimen ID:	Phone: 224-588-9940 Fax: 224-588-9941

Report

TEST PERFORMED	RESULT	ZYGOSITY	SIGNIFICANCE
BRAC1 Sequencing	Variant detected c.1067 A>G (p.Q356R)	Heterozygous	Benign
BRCA1 Del/Dup	Negative	N/A	N/A
BRCA2 Sequencing	Negative	N/A	N/A
BRCA2 Del/Dup	Negative	N/A	N/A

Comments

A missense variant was detected at nucleotide 1067 of coding cDNA sequence (c. 1067 T>C). This rare variant causes amino acid change from glutamine to arginine at codon 356 (p. Q356R) at BRCA1 protein. The detected variant has been classified as benign which is not associated with an increased risk for the Hereditary Breast and Ovarian Cancer Syndrome. Interpretation and classification of clinical significance of this variant as benign variant are based on catalogued information from LOVD database (<http://databases.lovd.nl/shared/genes/>) and NCBI ClinVar database (<http://www.ncbi.nlm.nih.gov/clinvar/variation/>), as well as the results from a large population follow-up study (see Reference 1 on page 3). No variant was detected in BRCA2 gene.

Comprehensive sequencing analysis was also performed for other genes associated with increased risk of breast and ovarian cancers, including CHEK2, PALB2, PTEN, TP53, BARD1, ATM, CDH1, STK11, BRIP1 and NBN genes. No pathogenic or likely pathogenic variant was detected in any of these genes.

Recommendation

Based on accumulated information from clinical and research sources, the detected BRCA1 variant is classified as benign variant which is not associated with an increased risk for the Hereditary Breast and Ovarian Cancer Syndrome. Genetic counseling with a health care professional who has training and experience in cancer genetics is recommended to discuss cancer risks and other disease risks associated with this genetic test result. If you have any question about this report and wish to speak with the genetic experts in GoPath Laboratory, please call 855-467-2849 (Toll Free).

GoPath Pathology Associates SC, 1351 Barclay Blvd, Buffalo Grove, IL 60089, Phone: (855) 467-2849 FAX: 224-588-9941



GOPATH LABORATORIES

Billing Capabilities

Billing is a necessary part of your business but should not frustrate your patients or distract staff. We offer solutions to your billing needs:

- In-Network Lab Accepting All Government Insurances
- Work With Most Insurances & Customized Billing

Options Available

- Convenient Client Billing
- Dedicated Billing Support
- Technical and Professional Model Billing Also Available
- Tech-Only Services

GoPath Connect™

- Virtual Pathology Resources
- EMR Bi-Directional Interface
- LIS Interface
- In Office Color Reporting
- Auto-Fax Solution
- Multiple Copy Option
- Patient Friendly Report Interpretation
- Online Convenient Access To Results (24/7)
- Real-time Report Status
- Order Management And Tracking Capabilities
- Additional Time Saving Functions

Office Pickup Options

- Local Courier Services
- FedEx Express
- FedEx Same Day City

Account Set Ups

- Immediate
- Customized Requisitions
- Personalized In-Service and Training
- Convenient Supply Ordering
- Specialized Account Set Up Team

Let Us Help You Get Started

Providing appropriate information saves valuable time, eliminates confusion, limits phone calls & shortens turnaround time.

- Indicate Billing
- Patient's Legal Name
- Patient's DOB and Gender
- Date of Service / Collection
- Patient's Address and Phone Number
- Ordering Physician's Name, Facility and NPI
- IDC10-CM Codes

GoPathLabs.com

Access To:

- Test Menu
- Requisitions
- Services Provided
- Research Collaborations
- Licenses and Accreditations
- FISH/IHC/LIS
- Supply Order Forms
- Our Pathologists, Scientific and Executive Team Members

"Our cloud-based connectivity solutions provide you with a wide range of features and functionality designed to work seamlessly with your existing work flow."



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