

Helping you unravel complex clinical challenges and transform patient care



# Quest has a broad test portfolio spanning the gastroenterology care continuum

From screening and diagnosis to treatment and monitoring, Quest has the advanced diagnostic tools to help you **uncover insights that guide treatment, enhance patient care, and drive better outcomes.** 



Autoimmune GI conditions



Infectious
Gl conditions



Cardiometabolic conditions



Chronic viral infections and TB



Cancer



### Autoimmune GI conditions

Recognizing the nuanced presentations of autoimmune GI conditions is essential to help prevent complications like malnutrition, intestinal damage, and increased risk of cancer.1

#### Celiac disease

People with celiac disease have a

greater risk of developing coronary artery disease<sup>2</sup>

4x greater risk of developing **small** bowel cancers<sup>2</sup>

### Inflammatory bowel diseases (IBD)

In the US

3.1 M people are affected by IBD<sup>3</sup>

900 + people are affected by ulcerative colitis each year<sup>4</sup>

~790 K people live with Crohn disease<sup>5</sup>

Quest offers comprehensive panels for celiac disease so you can provide patients with fast, reliable insights.

Our stool- and serum-based assays can help rule out other possible conditions, confirm the presence of inflammation, and differentiate between inflammatory bowel syndrome (IBS), pancreatic disorders, and IBD.

Relevant tests <sup>a</sup>	Test code
Calprotectin, Stool	16796
Celiac Disease Comprehensive Panel with Gliadin Antibody (IgG) Includes Tissue Transglutaminase (tTG) Antibody (IgA) (8821); IgA (Immunoglobulin A) (539)	36336
C-Reactive Protein (CRP)	4420
HLA Typing for Celiac Disease	17135
Inflammatory Bowel Disease Differentiation Panel Includes ANCA Screen with Reflex to ANCA Titer (70171); Myeloperoxidase Antibody (MPO) (8796); Proteinase-3 Antibody (34151); Saccharomyces cerevisiae Antibodies (ASCA) (IgG) (10294); Saccharomyces cerevisiae Antibodies (ASCA) (IgA) (10295)	16503
Pancreatic Elastase-1	14693

<sup>&</sup>lt;sup>a</sup> Components of panels can be ordered separately.



### Infectious GI conditions

Understanding the cause and differentially diagnosing GI infections is vital to providing effective patient care. Our testing solutions can streamline your assessment protocol and accurately diagnose the cause of infection so effective treatment can begin sooner.

### Helicobacter pylori infection

More than

1 in 3 8 8 8

Americans are affected by H pylori6

### **Gastric distress**

Each year in the US, **acute infectious diarrhea** accounts for

179 M outpatient visits

5K+

We offer comprehensive *H pylori* infection testing aligned with American College of Gastroenterology (ACG) guidelines,<sup>7</sup> including urea breath testing (UBT) and stool antigen testing.

Quest has made molecular testing more accessible with a qualitative PCR panel that can simultaneously, from a single specimen, detect 9 of the most common pathogens associated with infectious diarrhea.

Relevant tests <sup>a</sup>	Test code
Clostridium difficile Toxin/GDH with Reflex to PCR	91664
Gastrointestinal Pathogen Panel, Real-Time PCR Includes Campylobacter group (4475, 16302); Salmonella species (10582); Shigella species (10019); Vibrio group (4489); Yersinia enterocolitica (16768); Shiga toxin 1 (30264); Shiga toxin 2 (30264); Norovirus GI/GII (19098); Rotavirus Antigen Detection (706)	38470
Helicobacter pylori Antigen, EIA, Stool	34838
H pylori Urea Breath Test Infrared UBiT	14839
Ova and Parasites, Concentrate and Permanent Smear	681
Ova and Parasites with Giardia Antigen	1748

<sup>&</sup>lt;sup>a</sup> Components of panels can be ordered separately.





### Cardiometabolic conditions

High rates of obesity, insulin resistance, and metabolic syndrome have led to an increase in metabolic dysfunction—associated steatotic liver disease (MASLD). This can progress to metabolic dysfunction—associated steatohepatitis (MASH), putting these patients at risk for

Because MASLD can progress with nonspecific symptoms, patients may not know they have it. Quest's cardiometabolic test portfolio can provide early identification of patients with MASLD or MASH, as well as insights on disease progression.

cardiovascular disease and end-stage liver disease.

#### MASLD and MASH

100 M

are estimated to have MASLD9

<5%

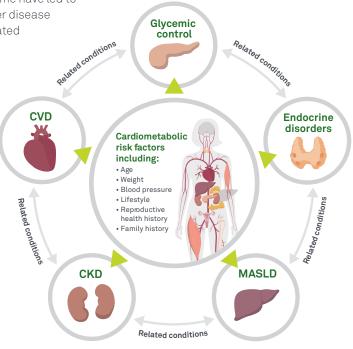
of MASLD cases have been diagnosed<sup>9</sup>

6.6 M

will eventually have liver fibrosis 9

 $\times 1.8 M$ 

patients are diagnosed with **MASH** in the US annually<sup>10</sup>



### Improve clinical outcomes through early identification

The Quest® Cardiometabolic Center of Excellence™ at Cleveland HeartLab® provides specialized laboratory testing to identify clinically silent risk factors for cardiometabolic diseases, including cardiovascular disease, type 2 diabetes, chronic kidney disease, and MASLD.

The Enhanced Liver Fibrosis (ELF™) Score is the first routine, direct biomarker blood test for prognostic risk assessment of MASH. ELF measurements have proven valuable for identifying patients with advanced fibrosis (F3 or F4) at risk of progressing to cirrhosis and liver-related events (LREs).

Relevant tests <sup>a</sup>	Test code
Comprehensive Metabolic Panel with Fibrosis-4 (FIB-4) Index Includes FIB 4 Index (30555); Comprehensive Metabolic Panel (10231) which includes Albumin (223); Albumin/Globulin Ratio (calculated) (need test code); Alkaline Phosphatase (234); ALT, AST, BUN/Creatinine Ratio (calculated) (need test code); Calcium (10235); Carbon Dioxide (310); Chloride (330); Creatinine with GFR Estimated, Globulin (calculated) (19107); Glucose (483); Potassium (3382); Sodium (836); Total Bilirubin (287); Total Protein (90843); Urea Nitrogen (294)	10372
Estimated Glomerular Filtration Rate (eGFR) with Creatinine and Cystatin C Includes Cystatin C with Glomerular Filtration Rate, Estimated (eGFR) (94588)	13581
Enhanced Liver Fibrosis (ELF) Score	10350
Kidney Profile Includes Creatinine (includes eGFR) (375); Albumin (223); Random Urine with Creatinine (includes Albumin/ Creatinine Ratio) (6517)	39165

<sup>&</sup>lt;sup>a</sup> Components of panels can be ordered separately.

b MASLD was formerly known as nonalcoholic fatty liver disease (NAFLD), and MASH was formerly referred to as nonalcoholic steatohepatitis (NASH).



### Chronic viral infections and TB

Many at-risk patient populations are susceptible to chronic infections which, left untreated, can cause serious health problems including liver failure.

### Hepatitis, HIV, and tuberculosis

Up to

2.4 M
people are chronically

infected with HBV11

Over

93 K new cases of chronic HCV during 2022<sup>12</sup> 1.2 M

people are living with HIV<sup>13</sup>

15%

increase in TB from 2022 to 2023<sup>14</sup>

There is high prevalence of chronic **HCV** and **HBV** infections among patients with **TB**<sup>15</sup>

>4 % of people with TB are coinfected with HIV16

1in 5 people with HIV also have  $HCV^{17}$ 

Coinfection is prevalent

75% of new HCV cases are caused by intravenous drug use<sup>18, 19</sup>

~50% of people coinfected with HCV and HIV use intravenous drugs<sup>20</sup>

1 in 3 patients with TB reports substance abuse<sup>21</sup>

Each HCV-infected intravenous drug user is likely to infect 20 others<sup>22</sup>

### Stay ahead of serious infections with comprehensive testing solutions

Relevant tests <sup>a</sup>	Test code
Hepatic Function Panel Includes Protein, Total (90844); Albumin (223); Bilirubin, Total (287); Bilirubin, Direct (285); Alkaline Phosphatase (234); AST (822); ALT (823)	10256
Hepatitis A Antibody, Total	508
HBV Triple Screen Panel with Reflexes Includes Hepatitis B Surface Antigen with Reflex Confirmation (498); Hepatitis B Core Antibody, Total, with Reflex to IgM (37676); Hepatitis B Surface Antibody, Quantitative (8475)	39170
Hepatitis B Surface Antigen with Reflex Confirmation	498
Hepatitis B Core Antibody, Total, with Reflex to IgM	37676
Hepatitis B Core Antibody, Total	501
Hepatitis B Virus DNA, Quantitative, Real-Time PCR	8369
Hepatitis C Antibody with Reflex to HCV, RNA, Quantitative, Real-Time PCR	8472
Hepatitis C Viral RNA, Genotype, LiPA	37811
Hepatitis C Viral RNA, Quantitative, Real-Time PCR	35645
HIV-1/2 Antigen and Antibodies, Fourth Generation, with Reflexes	91431
Mitochondrial Antibody with Reflex to Titer	259
Pre-biologic/biosimilar Screen Panel, HCV/HBV with Reflexes and QFT 1 Tube Includes QuantiFERON®-TB Gold Plus, 1 Tube (36970); Hepatitis B Surface Antigen with Reflex Confirmation (498); Hepatitis B Surface Antibody Immunity, Quantitative (8475); Hepatitis B Core Antibody, Total, with Reflex to IgM (37676); Hepatitis C Antibody with Reflex to HCV RNA, PCR w/Reflex to Genotype, LiPA (94345)	37616
QuantiFERON®-TBGold Plus, 1 Tube	36970

<sup>&</sup>lt;sup>a</sup> Components of panels can be ordered separately.





# Cancer screening, diagnosis, and prognosis

Delivering trusted cancer insights, from screening to survivorship



### **Screening**

#### Prostate cancer screening

About

1 in 8

men will be diagnosed with prostate cancer during their lifetime<sup>23</sup>

#### Colorectal cancer screening

5-year survival rate

if caught in early stages:

~90%2

Colorectal cancer is the

2nd

most common cause of cancer deaths in the US<sup>25</sup>

#### Hereditary cancer screening

Hereditary cancer comprises about

5%-10%

of all cancers<sup>26</sup>

### A more effective test to stratify patients with elevated PSA levels

IsoPSA® includes guideline-supported PSA with the added benefit of risk stratification.°

 Clinical guidelines recommend PSA as a front-line screening test for prostate cancer in men.

### Making screening more accessible

Quest makes the screening process convenient with InSure® ONE™, a fecal immunochemical test (FIT) that your patients can collect at their homes.

### Single-source solution

Complete portfolio of hereditary cancer tests—

from comprehensive panels to single-gene tests

**Genetic counselors available** for test consultation and results interpretation. Call 1.866.GENE.INFO (1.866.436.3463)

Relevant tests <sup>a</sup>	Test code
Fecal Globin by Immunochemistry (InSure®)	11290
IsoPSA®	12061
Lynch Syndrome Panel MLH1, MSH2, MSH6, PMS2, and EPCAM (dosage ONLY) genes	91461
PSA, Free and Total	31348

<sup>&</sup>lt;sup>a</sup> Components of panels can be ordered separately.



### 🖸 Diagnosis

### Unparalleled excellence in advanced diagnostic testing

We are a leading provider of genitourinary and gastroenterology pathology services, with comprehensive biopsy and testing solutions, fellowship-trained subspecialty pathologists, and an experienced support team dedicated to building long-term client relationships.



**20+ facilities** across the country to service all 50 states



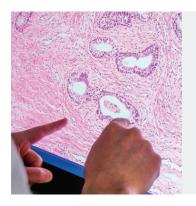
**Unmatched expertise** in GI and GU pathology



AmeriPath® lab locations

Specialty lab sites

Network of over **400 pathologists** nationwide



### Digital pathology capabilities

Whole-slide imaging enables viewing of patient specimens in ways never before possible, allowing faster review and greater diagnostic insight to improve naming, staging, and grading of disease.





### **Prognosis**

### Uncovering insights that help inform treatment

Using state-of-the-art next-generation sequencing (NGS), these panels can determine presence and type of variants to help guide next steps including treatment or identification of clinical trial options based on the mutations found in the patient's tumor.

#### ColonSEQ Panel and ColonSEQPlus Panel

Our ColonSEQ and ColonSEQPlus panels are disease-targeted to identify genetic mutations, or variants, in a patient's tumor known to cause colorectal cancers.

### Solid tumor molecular diagnostics

Comprehensive, guideline-driven panels to detect nearly 50 actionable variants and other key traits associated with solid tumor cancers.

Relevant tests <sup>a</sup>	Test code
COLONSEQ Panel BRAF, KRAS, NRAS, MSI, PIK3CA, and PTEN	36918
COLONSEQPlus Panel	36919
Solid Tumor Expanded Panel A list of genes can be found at QuestDiagnostics.com/healthcare-professionals/clinical-education-center/faq/faq273	93233
Tissue Pathology	14517

 $<sup>^{\</sup>rm a}$  Components of panels can be ordered separately.





# Better quality of life for your patients can start with better access to testing

Quest delivers unparalleled convenience to ensure critical testing is always within your patients' reach



### Extensive test menu that covers testing across the continuum of patient care

From our **3,500+ peer-vetted tests**, we offer those that screen for IBD, peptic ulcers, colorectal cancer, and more.



### Tools to help improve practice efficiency

Spend less time on administrative tasks and more time with patients with **Quanum® Lab Services Manager**, your one stop for all lab-related tasks.



# 700+ medical experts including a leading pathology team

Whether you need a consultation on test selection and results, or support through rare or complex testing, our **board-certified staff** is accessible.

#### **Enhanced patient access and convenience**



We remove barriers to care with **comprehensive financial assistance programs** including payment plans and tailored solutions for uninsured or underinsured patients.

For clinical consult including results interpretation and test selection, call 1.866.MYQUEST (1.866.697.8378).

Our ~2,000 patient service centers make it easy for your patients to get the testing they need, and with digital tools like MyQuest®, patients can schedule appointments 24/7.

### **Experience the power of Quest.**

### Visit QuestforGastros.com to learn more.



Image features models and is intended for illustrative purposes only.

 ${\it Test codes may vary by location. Please contact your local laboratory for more information.}$ 

References

1. Agrawal M., Spenser EA, Colombel JF, et al. Approach to the management of recently diagnosed inflammatory bowel disease patients: a user's guide for adult and pediatric gastroenterologists. Gastroenterology. 2021;161(1):47-65. doi:10.1053/j.gastro.2021.04.063 2. Celiac Disease Foundation. What is celiac disease? Accessed October 12, 2024. https://collac.org/about-celiac-disease/what-is-celiac-disease/ 3. CDC. IBD facts and stats. June 21, 2024. Accessed November 4, 2024. https://www.ncbi.nlm.nin.gov/books/NBK45928/2 5. Aniwan 5, Park SH. Loftus EV.Jr. Epidemiology, natural history, and risk stratification of Crohn's disease. Gastroenterol Clin North Am. 2017;46:463-480. doi:10.1016/j.gtc.2017.05.003 6. Aldhaleei W, Wallace M, Harris D, et al. Helicobocter yplori: a concise review of the latest treatments against an old foe. Cleve Clin JMed. 2024;119(9):1730-1753. doi:10.3149/cj.mj.91.24031 7. Chey WD, Howden CW, Moss SF, et al. ACG clinical guideline: treatment of infection. Am J Gastroenterol. 2024;119(9):1730-1753. doi:10.1049/cj.mj.91.24031 7. Chey WD, Howden CW, Moss SF, et al. 2017 Infectious Diseases Society of America clinical practice guidelines for the diagnosis and management of infectious diarrhea. Clin Infect Dis. 2017;65(12):1963-73. doi:10.1093/cid/cix959 9. Cusi K, Isaacs S, Barb D, et al. American Association of Clinical Endocrinology clinical practice guideline for the diagnosis and management of nonalcoholic fatty liver disease in primary care and endocrinology clinical settings: co-sponsored by the American Association for the Study of Liver Diseases (AASLD). Endocr Proct. 2022;28(5):528-562. doi:10.1016/j.eprac.2022.09.010 10. Rinella ME, Neuschwander-Tetri BA, Siddiqui MS, et al. AASLD practice guidelines of clinical assesses and the management of nonalcoholic fatty liver diseases. Hepotology. 2023;7(5):1797-1835. doi:10.1097/HEPO0000000000000323 11. Hepatitis e Judyated Crober 9, 2024. Accessed November 17, 2023. https://www.hepb.org/what-is-hepatitis-b/what-is-hepatitis-c/VCDC. AAref.

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