



Extensive Assessment of the Gastrointestinal Microbiome

- PCR Analysis for the Abundance and Diversity of Key Bacterial Populations of the GI Microbiome
- PCR Detection of Pathogenic Bacteria, Viruses and Parasites
- Comprehensive Parasitology by Microscopy
- MALDI-TOF ID of Cultured Bacteria and Yeast
- Broad Range of Stool Chemistry Markers
- Standardized Susceptibility Testing of Isolated Bacteria and Yeast



SCIENCE + INSIGHT

BRIDGING THE GAP BETWEEN RESEARCH AND THE CLINICAL WORLD

GI360™ Stool Profiles, multiplex PCR



	GI360™	GI360™ ESSENTIALS	GI360™ MICROBIOME
GI Microbiome Diversity and Abundance; PCR	✓	✓	✓
Viruses, Pathogens and Parasites; PCR	✓	✓	
Expanded Parasitology; Microscopy	✓	✓	
Bacterial and Fungal Culturomics w/ Direct Susceptibilities; MALDI-TOF MS	✓	✓	
Stool Chemistries	✓		
Beta-Glucuronidase	✓		

Introducing the **GI360™ Profile**: an innovative, comprehensive and clinically-applicable stool profile, utilizing multiplex PCR molecular technology coupled with growth-based culture and ID by MALDI-TOF, sensitive biochemical assays and microscopy to detect and assess the status of pathogens, viruses, parasites and bacteria that may be contributing to acute or chronic gastrointestinal symptoms and disease.

Microbiome Abundance and Diversity

The GI360™ Profile is a gut microbiota DNA analysis tool that identifies and characterizes the abundance and diversity of more than 45 targeted analytes that peer-reviewed research has shown to contribute to dysbiosis and other chronic disease states.

The GI360™ can identify the presence of pathogenic viruses, bacteria, and parasites using multiplexed, real-time PCR. Viruses are the primary cause of acute diarrhea, and the least commonly tested. The identification of pathogenic bacteria, viruses and parasites improves treatment strategies and patient outcomes.

For more information about this advanced profile, including research publications, abstracts, posters, collection instructions, videos and presentations, visit GI360.com



Microbiome Bacterial Abundance; Multiplex PCR



Order: 999999
 Client #: 999999
 Doctor: Sample
 Doctors Data Inc
 123 Main St.
 St. Charles, IL

Proteobacteria

Proteobacteria

Escherichia spp.

Tenericutes

Mycoplasma hominis

Verrucomicrobia

Akkermansia muciniphila

GI 360 Microbiome

The GI360™ is a well-defined system for detecting one potentially dysbiotic patient's result predetermined human micro

Notes:
 The gray-shaded area of
 *This test was developed
 CLIA requirements. The
 is not currently required for
 management decisions.
 Methodology: Multiplex
 Page: 4 of 16



Order: 999999
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 Doctors Data Inc
 123 Main St.
 St. Charles, IL

Firmicutes

Dialister invisus

Dialister invisus &
micrococciformis

Dorea spp.

Eubacterium bifidum

Eubacterium hallii

Eubacterium rectale

Eubacterium sirae

Faecalibacterium

Lachnospiraceae

Lactobacillus rumi

acidilactici

Lactobacillus spp.

Phascolarctobacter

Ruminococcus alb

Ruminococcus gna

Streptococcus aga

rectale

Streptococcus sali

thermophilus & *S.*

Streptococcus sali

thermophilus

Streptococcus spp.

Veillonella spp.

Notes:
 The gray-shaded area of
 *This test was developed
 Administration (FDA) has
 means for clinical diagnosis
 Methodology: Multiplex
 Page: 3 of 16



Order: 999999
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 Doctors Data Inc
 123 Main St.
 St. Charles, IL

-3 -2
 Very Low Low

Actinobacteria

Actinobacteria

Actinomycetales

Bifidobacterium sp.

Bacteroidetes

Alistipes spp.

Alistipes onderdonkii

Bacteroides fragilis

Bacteroides spp. &

Bacteroides stercor

Bacteroides zoogl

Parabacteroides je

Parabacteroides s

Firmicutes

Firmicutes

Bacilli Class

Catenibacterium n

Clostridia Class

Clostridium L2-50

Notes:
 The gray-shaded area of
 *This test was developed
 Administration (FDA) has
 means for clinical diagnosis
 Methodology: Multiplex
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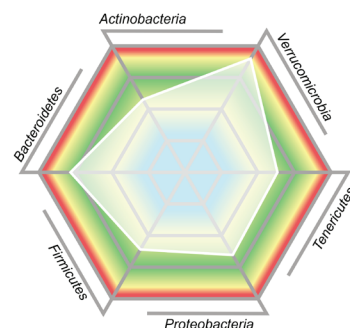
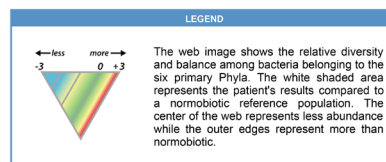
Order: 999999-9999
 Client #: 999999
 Doctor: Sample Doctor, NP
 Doctors Data Inc
 123 Main St.
 St. Charles, IL 60174 USA

Patient: Sample Patient
 Id: 999999
 Age: 56 DOB: 10/12/1963
 Sex: Female

Sample Collection Date/Time
 Date Collected 10/12/2019
 Date Received 10/23/2019
 Date Reported 11/12/2019
 Specimens Collected 3

Microbiome Abundance and Diversity Summary

The abundance and diversity of gastrointestinal bacteria provide an indication of gastrointestinal health, and gut microbial imbalances can contribute to dysbiosis and other chronic disease states. The GI360™ Microbiome Profile is a gut microbiota DNA analysis tool that identifies and characterizes more than 45 targeted analytes across six Phyla using PCR and compares the patient results to a characterized normobiotic reference population. The web chart illustrates the degree to which an individual's microbiome profile deviates from normobiosis.



Dysbiosis Index

The Dysbiosis Index (DI) is a calculation with scores from 1 to 5 based on the overall bacterial abundance and profile within the patient's sample as compared to a reference population. Values above 2 indicate a microbiota profile that differs from the defined normobiotic reference population (i.e., dysbiosis). The higher the DI above 2, the more the sample is considered to deviate from normobiosis.

DI Score

4



Key Findings

<i>Eubacterium siraeum</i> , Very Low	↓	Vegetable fibers, Abnormal
<i>Faecalibacterium prausnitzii</i> , Very Low	↓	<i>Enterobacter cloacae</i> complex, Cultured
<i>Phascolarctobacterium</i> spp., Very High	↑	
<i>Actinobacteria</i> , Low	↓	
<i>Alistipes onderdonkii</i> , Low	↓	
<i>Bacteroides zoogloformans</i> , High	↑	
<i>Bacilli</i> Class, Low	↓	
<i>Akkermansia muciniphila</i> , High	↑	

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Analyzed by DOCTOR'S DATA, INC. • 3755 Illinois Avenue, St. Charles, IL 60174-2420 USA • LAB DIR: Eric Roth, MD • CLIA ID: 14D0846470

Consider the GI360™ Profiles for your patients that present with gastrointestinal complaints and chronic systemic conditions:

Gastrointestinal Symptoms

Autoimmune Disease

IBD/IBS

Inflammation

Food Sensitivities

Nutritional Deficiencies

Joint Pain

Chronic or Acute Diarrhea

Bloody Stool

Mucosal Barrier Dysfunction

Abdominal Pain

Fever and Vomiting

OUR MISSION:

To research, develop and offer innovative specialty tests that help doctors identify health risks and improve outcomes for patients with chronic conditions.

To educate and support healthcare professionals.

To improve lives through science.

GI360™ by Doctor's Data, Inc.

- A powerful tool to profile the microbiome and compare results to a published normobiotic reference population
- Identify gut pathogens to aid in diagnosis and guide selection of treatment
- Identify risk profiles for major diseases and chronic conditions

For more information about this advanced profile, including research publications, abstracts, posters, collection instructions, videos and presentations,

visit GI360.com



SCIENCE+INSIGHT

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doctorsdata.com

About Doctor's Data

Doctor's Data, Inc. has provided innovative specialty testing to healthcare practitioners around the world from our advanced, CLIA-licensed clinical laboratory since 1972.

A specialist and pioneer in essential and toxic elemental testing, the laboratory provides a wide array of functional testing to aid in decision making and better patient outcomes. Choose Doctor's Data to help you assess and treat heavy metal burden, nutritional deficiencies, gastrointestinal function, hormone status, cardiovascular risk, liver and metabolic abnormalities, and more.