

Patient: **SAMPLE**  
**PATIENT**

DOB:

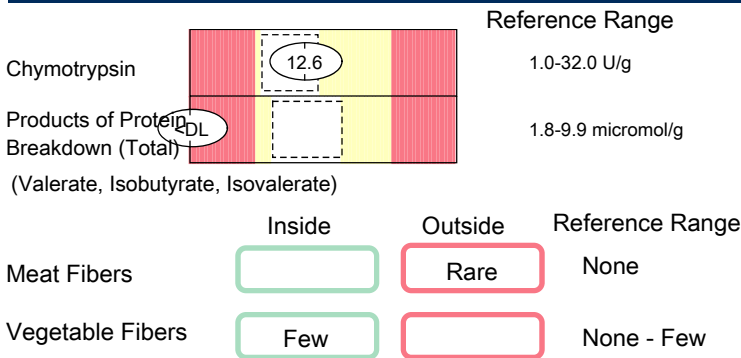
Sex:

MRN:

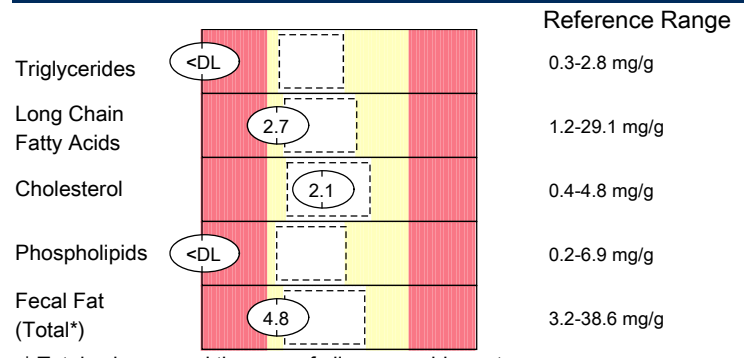
**2000 CDSA (Comprehensive Digestive Stool Analysis) - Stool**

Methodology: MALDI-TOF MS, Automated and Manual Biochemical Methods, Vitek 2® System Microbial identification and Antibiotic susceptibility, Automated Chemistry, GC-FID, Microscopic Evaluation, ELISA, Ion Selective Electrode, Immunoassay, GCMS

**Digestion**

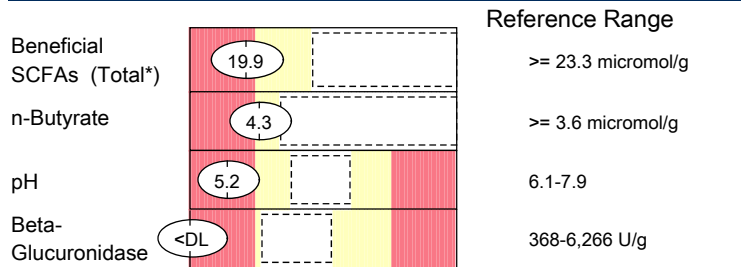


**Absorption**



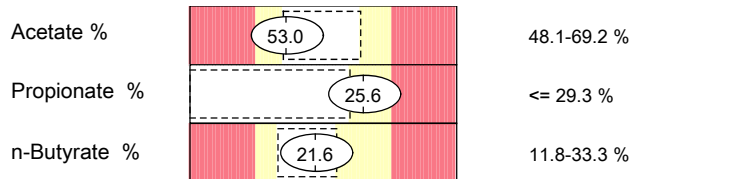
\* Total values equal the sum of all measurable parts.

**Metabolic Markers**



\* Total values equal the sum of all measurable parts.

**SCFA distribution**



**Microbiology**

**Bacteriology**

**Beneficial Bacteria**

Lactobacillus species	*NG
Escherichia coli	(4+)
Bifidobacterium	(2+)

**Additional Bacteria**

Klebsiella pneumoniae	PP	(4+)
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**Mycology**

Candida kruseii	NP	(1+)
Candida tropicalis	NP	(1+)

**Immunology**

	Inside	Outside	Reference Range
Fecal Lactoferrin ♦	Negative		Negative

**Macroscopic**

	Inside	Outside	Reference Range
Color	Brown		Brown
Mucus	Negative		Negative
Occult blood ♦	Negative		Negative

*NG	NP	PP	P
*NG			
No Growth	Non-Pathogen	Possible Pathogen	Pathogen

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Asheville, NC 28801  
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Prescriptive Agents					
KLEBSIELLA PNEUMONIAE					
	R	I	S-DD*	S	NI*
Ampicillin	<input type="text" value="R"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Amox./Clavulanic Acid	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text"/>
Cephalothin	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text"/>
Ciprofloxacin	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text"/>
Tetracycline	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text"/>
Trimethoprim/Sulfa	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text"/>

Natural Agents	
KLEBSIELLA PNEUMONIAE	
	Low Inhibition   High Inhibition
Berberine	<input type="text"/>
Oregano	<input type="text"/>
Plant Tannins	<input type="text"/>
Uva-Ursi	<input type="text"/>

**Prescriptive Agents:**

The R (Resistant) category implies isolate is not inhibited by obtainable levels of pharmaceutical agent.

The I (Intermediate) category includes isolates for which the minimum inhibition concentration (MIC) values usually approach obtainable pharmaceutical agent levels and for which response rates may be lower than for susceptible isolates.

\* The S-DD (Susceptible-Dose Dependent) category implies clinical efficacy when higher than normal dosage of a drug can be used and maximal concentration achieved.

The S (Susceptible) column implies that isolates are inhibited by the usually achievable concentrations of the pharmaceutical agent.

\* NI (No Interpretive guidelines established) category is used for organisms that currently do not have established guidelines for MIC interpretation.

Refer to published pharmaceutical guidelines for appropriate dosage therapy.

**Natural Agents:**

In this assay, inhibition is defined as the reduction level on organism growth as a direct result of inhibition by a substance. The level of inhibition is an indicator of how effective the substance was at limiting the growth of an organism in an in vitro environment. High inhibition indicates a greater ability by the substance to limit growth, while Low Inhibition a lesser ability to limit growth. The designated natural products should be considered investigational in nature and not be viewed as standard clinical treatment substances.

This test has been developed and its performance characteristics determined by Genova Diagnostics, Inc. It has not been cleared by the U.S. Food and Drug Administration.

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Azole Antifungals					
CANDIDA KRUSEII					
	R	I	S-DD*	S	NI*
Fluconazole	<input type="text" value="R"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Voriconazole	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text"/>

Non-absorbed Antifungals	
CANDIDA KRUSEII	
	Low Inhibition   High Inhibition
Nystatin	<input type="text" value="Low Inhibition"/>

Natural Antifungals	
CANDIDA KRUSEII	
	Low Inhibition   High Inhibition
Berberine	<input type="text" value="Low Inhibition"/>
Caprylic Acid	<input type="text" value="Low Inhibition"/>
Garlic	<input type="text" value="Low Inhibition"/>
Undecylenic Acid	<input type="text" value="Low Inhibition"/>
Plant tannins	<input type="text" value="Low Inhibition"/>
Uva-Ursi	<input type="text" value="Low Inhibition"/>

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**Nystatin and Natural Agents:**

Results for Nystatin are being reported with natural antifungals in this category in accordance with laboratory guidelines for reporting sensitivities. In this assay, inhibition is defined as the reduction level on organism growth as a direct result of inhibition by a natural substance. The level of inhibition is an indicator of how effective the substance was at limiting the growth of an organism in an in vitro environment. High inhibition indicates a greater ability by the substance to limit growth, while Low Inhibition a lesser ability to limit growth. The designated natural products should be considered investigational in nature and not be viewed as standard clinical treatment substances.

Sensitivities performed by manual MIC assay.

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Azole Antifungals					
CANDIDA TROPICALIS					
	R	I	S-DD*	S	NI*
Fluconazole	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text"/>
Voriconazole	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="S"/>	<input type="text"/>

Non-absorbed Antifungals	
CANDIDA TROPICALIS	
	Low Inhibition   High Inhibition
Nystatin	<input type="text"/>

Natural Antifungals	
CANDIDA TROPICALIS	
	Low Inhibition   High Inhibition
Berberine	<input type="text"/>
Caprylic Acid	<input type="text"/>
Garlic	<input type="text"/>
Undecylenic Acid	<input type="text"/>
Plant tannins	<input type="text"/>
Uva-Ursi	<input type="text"/>

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Sensitivities performed by manual MIC assay.

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## ENSURE THE FOLLOWING:

- Peel and stick labels completed with patient's date of birth are on all tubes as well as the test requisition form

### All tubes:

- Are tightly closed
- Sealed in the biohazard bag with absorbent pad
- Refrigerated until packaged for shipping

### All required information:

- All sections of test requisition form completed either online or on the included paper form. If using the online form, the paper form **must still be returned with the health care provider's signature**
- Health survey completed
- Payment information provided
- All tubes and associated forms placed back in the original Genova sample collection pack box prior to shipping

## SHIP THE SAMPLE(S) TO THE LAB

**Ship only Monday through Friday, and within 24 hours after final collection.**

Please refer to the shipping instruction insert found in your Genova sample collection pack box.



### REGISTER FOR THE PATIENT RESOURCE CENTER AT WWW.GDX.NET/PRC

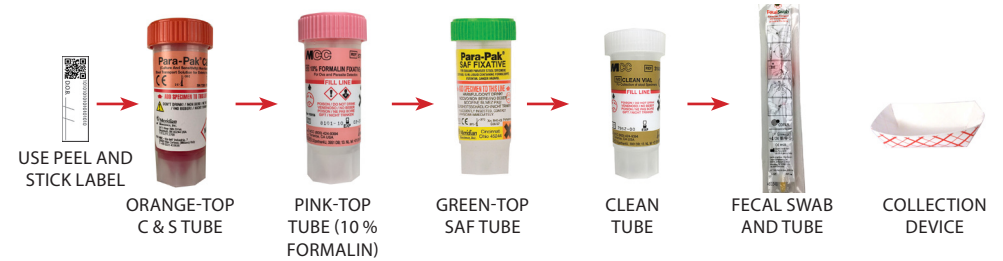
- Complete health surveys
- Make payments
- Access test results

## GASTROINTESTINAL 1 DAY COLLECTION

### PATIENT SAMPLE COLLECTION INSTRUCTIONS FOR THE FOLLOWING PROFILE(S)

GI Effects Comprehensive Profile*	Stool	#2200
GI Effects Microbial Ecology Profile*	Stool	#2205
GI Effects Gut Pathogen Profile*	Stool	#2207
CDSA™ (Comprehensive Digestive Stool Analysis)	Stool	#2000
CDSA 2.0 without Parasitology	Stool	#2002

### COLLECTION MATERIALS FOR SAMPLE



- **CAUTION: Tubes contain poisonous liquid. KEEP OUT OF REACH OF CHILDREN.**
- Tubes are under pressure. Cover tube cap with a cloth and remove cap slowly.
- For eye contact, flush with water for 15 mins.
- For skin contact, wash with soap and water.
- For ingestion, contact poison control center immediately.

### REQUIRED MATERIALS

- Disposable glove (vinyl)
- Peel and stick labels
- Black disposable bag
- Absorbent pads
- Test requisition form
- Biohazard bags
- Genova sample collection pack box
- FedEx® Clinical Lab Pak and Billable Stamp
- Health survey

### IMPORTANT INFORMATION BEFORE YOU BEGIN THE COLLECTION

- Test not recommended for patients under 2 years of age.
- **Wait at least 4 Weeks** from colonoscopy or barium enema before starting the test.
- Please consult with your physician before stopping any medications. Certain medications and/or supplements may impact test results.
- **2 to 4 Weeks Before the Test:**
  - » Discontinue antibiotics, antiparasitics, antifungals, probiotic supplements (acidophilus, etc.).
  - » Discontinue proton pump inhibitors (PPIs), and bismuth **14 Days prior if adding on the H. pylori test.**
- **2 Days Before the Test:**
  - » Discontinue aspirin and other NSAIDs (i.e. ibuprofen), rectal suppositories, enemas, activated charcoal, bismuth, betaine HCL, digestive enzymes, antacids, laxatives, mineral oil, castor oil, and/or bentonite clay.
- **DO NOT collect samples** when there is active bleeding from hemorrhoids or menstruation.
- Before collecting your specimen refer to the shipping instruction to determine what day you can ship. **Ship only Monday through Friday, and within 24 hours after final collection.**

