



311 Ferst St NW Ste 1355B  
 Atlanta GA 30332  
 877-485-5336

Patient: Jane Doe  
 Collected: 07/24/2015  
 DOB: 12/19/1971

Accession: 20150727-0102  
 Received: 07/24/2015  
 Completed: 07/31/2015

Ordered by: Diane Farhi, MD

**Pathogens**

Bacterial Pathogens	Result	Expected
<i>Campylobacter</i>	Negative	Neg
<i>C. difficile</i> Toxin A	Negative	Neg
<i>C. difficile</i> Toxin B	Negative	Neg
<i>E. coli</i> O157	Negative	Neg
Enterotoxigenic <i>E. coli</i> LT	Negative	Neg
Enterotoxigenic <i>E. coli</i> ST	Negative	Neg
Shiga-like Toxin <i>E. coli</i> stx1	Negative	Neg
Shiga-like Toxin <i>E. coli</i> stx2	Negative	Neg
<i>Salmonella</i>	Positive	Neg
<i>Shigella</i>	Negative	Neg
<i>Vibrio cholera</i>	Negative	Neg
<i>Yersinia enterocolitica</i>	Negative	Neg

Parasitic Pathogens	Result	Expected
<i>Cryptosporidium</i>	Negative	Neg
<i>Entamoeba histolytica</i>	Negative	Neg
<i>Giardia</i>	Negative	Neg

Viral Pathogens	Result	Expected
Adenovirus 40	Positive	Neg
Adenovirus 41	Positive	Neg
Norovirus GI	Negative	Neg
Norovirus GII	Negative	Neg
Rotavirus A	Negative	Neg

**H. pylori**

<i>Helicobacter pylori</i>	4.03 E7	High	<7.0 E3
Virulence Factor, cagA	Positive		Neg
Virulence Factor, vacA	Negative		Neg

**Normal Bacterial Flora**

<i>Bacteroides fragilis</i> grp	6.2 E7		5.0 E5 - 3.2 E9
<i>Bifidobacter</i>	9.5 E7	Low	>8.9 E9
<i>Enterococcus</i>	2.0 E7	High	1.2 E4 - 3.1 E6
<i>E. coli</i>	4.2 E8	High	1.0 E4 - 7.6 E7
<i>Lactobacillus</i>	4.4 E5		1.0 E6 - 5.8 E9

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**Opportunistic Bacteria**

Potential Autoimmune Triggers	Result		Range
<i>Citrobacter spp.</i>	<b>8.1 E3</b>		<1.0 E4
<i>Klebsiella pneumoniae</i>	<b>4.2 E3</b>		<7.2 E3
<i>Proteus spp.</i>	<b>1.2 E3</b>		<6.2 E3
<i>Proteus mirabilis</i>	<b>1.7 E3</b>		<1.0 E3
<i>Yersinia enterocolitica (from pg 1)</i>	<b>Negative</b>		Neg

**Additional Dysbiotic/Overgrowth Bacteria**

<i>Morganella morganii</i>	<b>8.0 E2</b>		<1.0 E3
<i>Pseudomonas spp.</i>	<b>1.2 E3</b>		<2.5 E3
<i>Pseudomonas aeruginosa</i>	<b>5.3 E8</b>	<b>High</b>	<1.0 E3
<i>Staphylococcus spp.</i>	<b>9.2 E3</b>		<1.0 E4
<i>Streptococcus spp.</i>	<b>4.2 E2</b>		<1.0 E3

**Parasites**

<i>Blastocystis hominis</i>	<b>9.1 E5</b>	<b>High</b>	0.00
<i>Dientamoeba fragilis</i>	<b>Negative</b>		Neg
<i>Endolimax nana</i>	<b>Negative</b>		Neg
<i>Entamoeba coli</i>	<b>Negative</b>		Neg
<i>Chilomastix mesnelli</i>	<b>Negative</b>		Neg
<i>Cyclospora cayetanensis</i>	<b>Negative</b>		Neg
<i>Pentatrichomonas hominis</i>	<b>Negative</b>		Neg

**Fungi/Yeast**

<i>Candida albicans</i>	<b>8.7 E7</b>	<b>High</b>	>5.0 E3
<i>Candida spp.</i>	<b>Negative</b>		Neg
<i>Geotricum spp.</i>	<b>Negative</b>		Neg
<i>Microsporidia spp.</i>	<b>&lt;1000 cfu/g</b>	<b>Low</b>	Neg
<i>Trichosporon spp.</i>	<b>Negative</b>		Neg

**Additional Tests**

	Result		Range
SIgA	<b>2458</b>	<b>High</b>	510-2040 ug/mL
Anti-gliadin	<b>0.8</b>		0.0-1.1 ug/g
Elastase 1	<b>102</b>	<b>Low</b>	<175 mcg/g
Lactoferrin	<b>3.8</b>		0.0-7.2 ug/mL
Occult blood	<b>Negative</b>		neg

**Fungi/yeast;** Candida albicans is reported as a quantitative value. All other fungi/yeast are reported semi-quantitative where Low = <1000, Mod = 1,000-100,000 and High = >100,000 cfu/g stool.

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### Antibiotic Resistance Genes

	Phenotype	Genotype	Expected
<b>Salmonella</b>			
Sulfonamides	<b>Negative</b>	<b>Positive</b>	Neg
Trimethoprim	<b>Negative</b>	<b>Negative</b>	Neg
Fluoroquinolones	<b>Negative</b>	<b>Negative</b>	Neg
Macrolides	<b>Negative</b>	<b>Negative</b>	Neg
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<b>Pseudomonas</b>			
Sulfonamides	<b>Negative</b>	<b>Positive</b>	Neg
Trimethoprim	<b>Negative</b>	<b>Negative</b>	Neg
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<b>H. pylori</b>			
Clarithromycin	<b>Positive</b>	<b>Negative</b>	Neg
Fluoroquinolones	<b>Negative</b>	<b>Positive</b>	Neg

**Phenotype;** refers to resistance genes of the antibiotic/class that can be found on the genome of the positive organism.

**Genotype;** refers to resistance genes of the antibiotic/class that are not found on the genome of the positive organism but are found on genomes of bacteria of the microbiome.