

Ordered by: Daniel Farkas, DC

Pathogens

Bacterial Pathogens	Result		Normal
<i>Campylobacter</i>	<dl		<1.00e3
<i>C. difficile</i> , Toxin A	3.17e6	High	<1.00e3
<i>C. difficile</i> , Toxin B	3.20e6	High	<1.00e3
Enterohemorrhagic <i>E. coli</i>	6.17e2		<1.00e3
<i>E. coli</i> O157	<dl		<1.00e3
Enteroinvasive <i>E. coli</i> /Shigella	<dl		<1.00e2
Enterotoxigenic <i>E. coli</i> LT/ST	<dl		<1.00e3
Shiga-like Toxin <i>E. coli</i> stx1	<dl		<1.00e3
Shiga-like Toxin <i>E. coli</i> stx2	<dl		<1.00e3
<i>Salmonella</i>	<dl		<1.00e4
<i>Vibrio cholerae</i>	<dl		<1.00e5
<i>Yersinia enterocolitica</i>	3.94e0		<1.00e5

Parasitic Pathogens	Result		Normal
<i>Cryptosporidium</i>	<dl		<1.00e6
<i>Entamoeba histolytica</i>	<dl		<1.00e4
<i>Giardia</i>	<dl		<5.00e3

Viral Pathogens	Result		Normal
Adenovirus 40/41	<dl		<1.00e10
Norovirus GI/II	<dl		<1.00e7

H. pylori

	Result		Normal
<i>Helicobacter pylori</i>	<dl		<1.0e3
Virulence Factor, babA	N/A		Negative
Virulence Factor, cagA	N/A		Negative
Virulence Factor, dupA	N/A		Negative
Virulence Factor, iceA	N/A		Negative
Virulence Factor, oipA	N/A		Negative
Virulence Factor, vacA	N/A		Negative
Virulence Factor, virB	N/A		Negative
Virulence Factor, virD	N/A		Negative

Normal Bacterial Flora

	Result		Normal
<i>Bacteroides fragilis</i>	1.2e11		1.60e9 - 2.50e11
<i>Bifidobacterium</i> spp.	4.9e10		>6.70e7

<i>Enterococcus spp.</i>	1.9e9	High	1.9e5 - 2.00e8
<i>Escherichia spp.</i>	2.5e9		3.70e6 - 3.80e9
<i>Lactobacillus spp.</i>	8.4e6		8.6e5 - 6.20e8
<i>Clostridium spp.</i>	7.38e5		1.20e3 - 1.00e6
<i>Enterobacter spp.</i>	1.72e10	High	1.00e6 - 5.00e7
Phyla Microbiota	Result		Normal
<i>Bacteroidetes</i>	5.97e12	High	8.61e11 - 3.31e12
<i>Firmicutes</i>	1.80e11		5.70e10 - 3.04e11
<i>Firmicutes:Bacteroidetes Ratio</i>	0.03		<1.00

Opportunistic Bacteria

Additional Dysbiotic/Overgrowth Bacteria	Result		Normal
<i>Bacillus spp.</i>	4.47e5	High	<1.50e5
<i>Enterococcus faecalis</i>	1.00e6	High	<1.00e4
<i>Enterococcus faecium</i>	3.24e5	High	<1.00e4
<i>Morganella spp.</i>	7.30e5	High	<1.00e3
<i>Pseudomonas spp.</i>	<dl		<1.00e4
<i>Pseudomonas aeruginosa</i>	<dl		<5.00e2
<i>Staphylococcus spp.</i>	<dl		<1.00e4
<i>Staphylococcus aureus</i>	1.12e1		<5.00e2
<i>Streptococcus spp.</i>	8.57e2		<1.00e3

Potential Autoimmune Triggers

	Result		Normal
<i>Citrobacter spp.</i>	1.42e0		<5.00e6
<i>Citrobacter freundii</i>	5.76e7	High	<5.00e5
<i>Klebsiella spp.</i>	5.83e5	High	<5.00e3
<i>Klebsiella pneumoniae</i>	<dl		<5.00e4
<i>M. avium subsp. paratuberculosis</i>	<dl		<5.00e3
<i>Prevotella copri</i>	<dl		<1.00e7
<i>Proteus spp.</i>	2.88e6	High	<5.00e4
<i>Proteus mirabilis</i>	2.86e5	High	<1.00e3

Fungi/Yeast

	Result		Normal
<i>Candida spp.</i>	5.90e1		<5.00e3
<i>Candida albicans</i>	<dl		<5.00e2
<i>Geotrichum spp.</i>	<dl		<3.00e2
<i>Microsporidium spp.</i>	<dl		<5.00e3
<i>Rodotorula spp.</i>	<dl		<1.00e3

Viruses

	Result		Normal
<i>Cytomegalovirus</i>	<dl		<1.00e5
<i>Epstein Barr Virus</i>	<dl		<1.00e7

Parasites

Protozoa	Result	Normal
<i>Blastocystis hominis</i>	<dl	<2.00e3
<i>Chilomastix mesnili</i>	<dl	<1.00e5
<i>Cyclospora spp.</i>	<dl	<5.00e4
<i>Dientamoeba fragilis</i>	<dl	<1.00e5
<i>Endolimax nana</i>	<dl	<1.00e4
<i>Entamoeba coli</i>	<dl	<5.00e6
<i>Pentatrichomonas hominis</i>	<dl	<1.00e2

Worms	Result	Normal
<i>Ancylostoma duodenale</i>	Not Detected	<Not Detected
<i>Ascaris lumbricoides</i>	Not Detected	<Not Detected
<i>Necator americanus</i>	Not Detected	<Not Detected
<i>Trichuris trichiura</i>	Not Detected	<Not Detected
<i>Taenia spp.</i>	Not Detected	<Not Detected

Intestinal Health

Digestion	Result	Normal
Elastase-1	339	>200 ug/g
Steatocrit	<dl	<15 %

GI Markers	Result	Normal
b-Glucuronidase	2891 High	<2486 U/mL
Occult Blood - FIT	6	<10 ug/g

Immune Response	Result	Normal
Secretory IgA	285 Low	510 - 2010 ug/g
Anti-gliadin IgA	70	0 - 157 U/L

Inflammation	Result	Normal
Calprotectin	197 High	<50 ug/g

Add-on Test	Result	Normal
Zonulin	50.3	<107 ng/g

Antibiotic Resistance Genes, phenotypes

Helicobacter

Clarithromycin	Result	Expected Result
	Negative	Absent

A2142C	N/A	A2142G	N/A	A2143G	N/A
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Fluoroquinolones	Result	Expected Result
	Negative	Absent

gyrA N87K	N/A	gyrA D91N	N/A	gyrA D91G	N/A
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gyrB S479N	N/A	gyrB R484K	N/A
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TEST	SCORE	CLASS	TEST	SCORE	CLASS	TEST	SCORE	CLASS	TEST	SCORE	CLASS
MEAT & POULTRY			VEGETABLES			FRUITS			NUTS, SEEDS & OILS		
Beef	0.166	0	Artichoke	0.197	0	Apple	0.176	0	Almond	0.390	2 **
Buffalo	0.149	0	Asparagus	0.176	0	Apricot	0.158	0	Brazil Nut	0.164	0
Chicken	0.164	0	Beets	0.164	0	Avocado	0.167	0	Canola	0.159	0
Duck	0.155	0	Bell Pepper	0.180	0	Banana	0.169	0	Cashew	0.198	0
Lamb	0.170	0	Broccoli	0.161	0	Blackberry	0.172	0	Chestnut	0.269	1 *
Pork	0.226	1 *	Brussel Sprouts	0.169	0	Blueberry	0.172	0	Chia Seed	0.192	0
Turkey	0.178	0	Cabbage	0.175	0	Cantaloupe	0.153	0	Cola	0.187	0
Venison	0.157	0	Carrot	0.163	0	Cherry	0.230	1 *	Flaxseed	0.175	0
FISH & SHELLFISH			Cauliflower	0.183	0	Coconut	0.173	0	Hazelnut	0.195	0
Anchovy	0.153	0	Celery	0.178	0	Cranberry	0.162	0	Hemp	0.277	1 *
Bass	0.169	0	Cucumber	0.154	0	Date	0.179	0	Macadamia Nut	0.242	1 *
Clam	0.271	1 *	Eggplant	0.273	1 *	Fig	0.185	0	Pecan	0.194	0
Codfish	0.234	1 *	Garlic	0.166	0	Grape	0.190	0	Pine Nut	0.236	1 *
Crab	0.171	0	Green Bean	0.159	0	Grapefruit	0.159	0	Pistachio	0.263	1 *
Flounder	0.149	0	Kale	0.185	0	Honeydew	0.173	0	Poppy Seed	0.191	0
Haddock	0.158	0	Kelp	0.198	0	Kiwi	0.177	0	Safflower	0.191	0
Halibut	0.178	0	Lettuce	0.194	0	Lemon	0.174	0	Sesame	0.249	1 *
Herring	0.148	0	Mushroom	0.193	0	Lime	0.203	1 *	Sunflower Seed	0.195	0
Lobster	0.181	0	Okra	0.176	0	Mango	0.157	0	Walnut	0.186	0
Mackerel	0.151	0	Olive, Green	0.151	0	Orange	0.171	0	HERBS, SPICES, FLAVORINGS		
Mussel	0.204	1 *	Onion	0.169	0	Papaya	0.167	0	Basil	0.192	0
Oyster	0.164	0	Parsnip	0.239	1 *	Peach	0.148	0	Bay Leaf	0.187	0
Perch	0.150	0	Potato	0.179	0	Pear	0.132	0	Black Pepper	0.196	0
Red Snapper	0.248	1 *	Potato, Sweet	0.164	0	Pineapple	0.186	0	Cilantro	0.218	1 *
Salmon	0.176	0	Pumpkin	0.540	3 ***	Plum	0.177	0	Cinnamon	0.186	0
Scallop	0.183	0	Radish	0.167	0	Raspberry	0.163	0	Cloves	0.177	0
Shrimp	0.196	0	Spinach	0.187	0	Rhubarb	0.167	0	Dill	0.194	0
Sole	0.171	0	Squash	0.168	0	Strawberry	0.158	0	Fennel Seed	0.174	0
Squid	0.158	0	Tomato	0.167	0	Tangerine	0.161	0	Ginger	0.193	0
Swordfish	0.139	0	Turnip	0.215	1 *	Watermelon	0.188	0	Ginseng	0.210	1 *
Trout	0.169	0	Zucchini	0.266	1 *	BEVERAGES & MISC			Horseradish	0.187	0
Tuna	0.173	0	LEGUMES & PULSES			Black Tea	0.194	0	Licorice	0.178	0
Walleye Pike	0.171	0	Black-eyed Peas	0.338	2 **	Carob	0.194	0	Mustard	0.257	1 *
GRAINS & STARCHES			Chickpea	0.173	0	Cocoa	0.178	0	Nutmeg	0.214	1 *
Amaranth	0.190	0	Green Pea	0.199	0	Coffee	0.182	0	Oregano	0.215	1 *
Arrowroot	0.171	0	Kidney Bean	0.282	1 *	Green Tea	0.218	1 *	Paprika	0.175	0
Barley	0.187	0	Lentil	0.218	1 *	Honey	0.147	0	Parsley	0.173	0
Bran	0.239	1 *	Lima Bean	0.177	0	Yeast, Baker's	0.179	0	Peppermint	0.237	1 *
Buckwheat	0.184	0	Navy Bean	0.273	1 *	Yeast, Brewer's	0.232	1 *	Rosemary	0.198	0
Corn	0.190	0	Peanut	0.366	2 **	DAIRY & EGG			Sage	0.196	0
Gluten	0.221	1 *	Soybean	0.353	2 **	Blue Cheese	0.222	1 *	Tarragon	0.250	1 *
Hops	0.175	0	DAIRY & EGG			Casein	0.302	2 **	Thyme	0.181	0
Malt	0.246	1 *	Blue Cheese	0.222	1 *	Cheddar Cheese	0.189	0	Turmeric	0.220	1 *
Millet	0.191	0	Casein	0.302	2 **	Cottage Cheese	0.310	2 **	Vanilla Bean	0.256	1 *
Oats	0.157	0	Cheddar Cheese	0.189	0	Egg, White	0.217	1 *			
Quinoa	0.241	1 *	Cottage Cheese	0.310	2 **	Egg, Yolk	0.228	1 *			
Rice	0.175	0	Egg, White	0.217	1 *	Milk, Cow's	0.316	2 **			
Rye	0.239	1 *	Egg, Yolk	0.228	1 *	Milk, Goat's	0.186	0			
Sorghum	0.185	0	Milk, Cow's	0.316	2 **	Milk, Sheep's	0.243	1 *			
Tapioca	0.158	0	Milk, Goat's	0.186	0	Mozzarella Cheese	0.281	1 *			
Teff	0.183	0	Milk, Sheep's	0.243	1 *	Swiss Cheese	0.179	0			
Wheat	0.217	1 *	Mozzarella Cheese	0.281	1 *	Whey	0.228	1 *			
			Swiss Cheese	0.179	0	Yogurt	0.197	0			
			Whey	0.228	1 *						
			Yogurt	0.197	0						

Reference Range G44 - 16901
 <= 0.199 = 0 0.200 - 0.299 = 1 0.300 - 0.399 = 2 >= 0.400 = 3
 Note: 0.185 - 0.215 should be considered equivocal

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