



Patient:

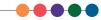


Beta-glucuronidase not available in NY.

†These results are not represented by quintile values.

^{*}Total value is equal to the sum of all measurable parts.

Methodology: Culture/MALDI-TOF MS, Automated and Manual Biochemical Methods, Vitek® 2 System Microbial identification and Antibiotic susceptibility



Gastrointestinal Microbiome (Culture)

Human microflora is influenced by environmental factors and the competitive ecosystem of the organisms in the GI tract. Pathogenic significance should be based upon clinical symptoms.

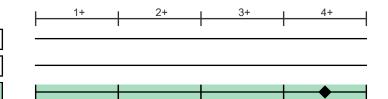
Microbiology Legend NG NP PP P No Growth Non- Potential Pathogen Pathogen Pathogen

Additional Bacteria

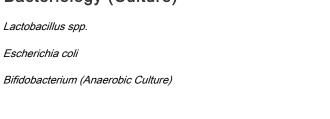
Non-Pathogen: Organisms that fall under this category are those that constitute normal, commensal flora, or have not been recognized as etiological agents of disease.

Potential Pathogen: Organisms that fall under this category are considered potential or opportunistic pathogens when present in heavy growth.

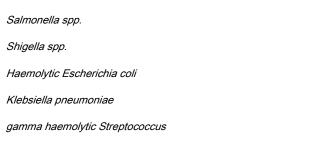
Pathogen: The organisms that fall under this category have a well-recognized mechanism of pathogenicity in clinical literature and are considered significant regardless of the quantity that appears in the culture.

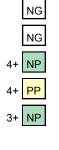


Bacteriology (Culture)



Additional Bacteria







Mycology (Culture)

Rhodotorula species		
Geotrichum species		





OPTIONAL ADD-ON

KOH Preparation for Yeast

Methodology: Potassium Hydroxide (KOH) Preparation for Yeast

Potassium Hydroxide (KOH) Preparation for Yeast

These yeast usually represent the organisms isolated by culture. In the presence of a negative yeast culture, microscopic yeast may reflect organisms not viable enough to grow in culture. The presence of yeast on KOH prep should be correlated with the patient's symptoms. However, moderate to many yeast suggests yeast overgrowth.

Result

KOH Preparation, stool

Few Yeast Present

The result is reported as the amount of yeast seen microscopically:

Rare: 1-2 per slide

Few: 2-5 per high power field (HPF)

Moderate: 5-10 per HPF Many: >10 per HPF



Parasitology

Microscopic O&P Results

Microscopic O&P is capable of detecting all described gastrointestinal parasites. The organisms listed in the box represent those commonly found in microscopic stool analysis. Should an organism be detected that is not included in the list below, it will be reported in the Additional Results section. These results were obtained using wet preparation(s) and trichrome stained smear. For an extensive reference of all potentially detectable organisms, please visit www.gdx.net/product/gi-effects-comprehensive-stool-test

Genus/species	Result	
Nematodes - roundworms		
Ancylostoma/Necator (Hookworm)	Not Detected	
Ascaris lumbricoides	Not Detected	
Capillaria philippinensis	Not Detected	
Enterobius vermicularis	Not Detected	
Strongyloides stercoralis	Not Detected	
Trichuris trichiura	Not Detected	
Cestodes - tapeworms		
Diphyllobothrium latum	Not Detected	
Dipylidium caninum	Not Detected	
Hymenolepis diminuta	Not Detected	
Hymenolepis nana	Not Detected	
Taenia spp.	Not Detected	
Trematodes - flukes		
Clonorchis/Opisthorchis spp.	Not Detected	
Fasciola spp./ Fasciolopsis buski	Not Detected	
Heterophyes/Metagonimus	Not Detected	
Paragonimus spp.	Not Detected	
Schistosoma spp.	Not Detected	
Protozoa		
Balantidium coli	Not Detected	
Blastocystis spp.	Not Detected	
Chilomastix mesnili	Not Detected	
Cryptosporidium spp.	Not Detected	
Cyclospora cayetanensis	Not Detected	
Dientamoeba fragilis	Not Detected	
Entamoeba coli	Not Detected	
Entamoeba histolytica/dispar	Not Detected	
Entamoeba hartmanii	Not Detected	
Entamoeba polecki	Not Detected	
Endolimax nana	Not Detected	
Giardia	Not Detected	
Iodamoeba buetschlii	Not Detected	
Cystoisospora spp.	Not Detected	
Trichomonads (e.g. Pentatrichomonas)	Not Detected	
Additional Findings		
White Blood Cells	Not Detected	
Charcot-Leyden Crystals	Not Detected	
Other Infectious Findings		



Additional Results

Methodology: Fecal Immunochemical Testing (FIT)

Result Expected Value

Fecal Occult Blood◆ Negative Negative

Color†† Brown

Consistency†† Formed/Normal

††Results provided from patient input.

OPTIONAL ADD-ON



Macroscopic/Direct Exam for Parasites

Methodology: Macroscopic Evaluation

No human parasite detected in sample.



Add-on Testing

		rtaa on roomig
Methodology: EIA		
	Result	Expected Value
Campylobacter spp.◆	Negative	Negative
Clostridium difficile◆	Negative	Negative
Shiga toxin <i>E. coli</i> ◆	Negative	Negative

Campylobacter spp.

Campylobacter is a foodborne pathogen and cause of gastroenteritis. Infection occurs after consumption of contaminated food, particularly poultry, unpasteurized milk, and water. Patients may experience acute watery or bloody diarrhea, weight loss, and abdominal cramping. C. jejuni can also lead to autoimmune conditions like Guillain-Barre' syndrome.

Clostridium difficile

Clostridium difficile is an anaerobic, spore-forming gram-positive bacterium that can be part of the normal intestinal flora. After a disturbance of the gut flora (usually with antibiotics), colonization with toxin producing Clostridium difficile can take place. Not all colonized patients develop symptoms. When present, symptoms include bloody and non-bloody diarrhea, fever, abdominal pain and vomiting.

Shiga toxin E. coli

A positive result on the STEC EIA assay confirms the presence of Shiga-toxin 1 (STX-1) and/or Shiga-toxin 2 (STX-2). Shiga-toxin producing strains of E. coli have been demonstrated as important etiological agents of diarrhea and sporadic cases of hemorrhagic colitis and Hemolytic Uremic Syndrome. They are transmitted via fecal-oral route. They are also transmitted by personal contact with an infected person or consumption of contaminated food or water.

Patient:

Methodology: Vitek 2® System Microbial Antibiotic susceptibility, Manual Minimum Inhibition Concentration

Bacteria Sensitivity

Prescriptive Agents

Klebsiella pneumoniae	R
Ampicillin	R
Amox./Clavulanic Acid	
Cephalothin	
Ciprofloxacin	
Tetracycline	
Trimethoprim/Sulfa	

I

S-DD	
	S-DD

S
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NI

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.

Patient:

Methodology: Vitek 2® System Microbial Antibiotic susceptibility, Manual Minimum Inhibition Concentration



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Mycology Sensitivity

Non-absorbed Antifungals

Geotrichum species	LOW INHIBITION	HIGH INHIBITION
Nystatin		

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Nystatin

In this assay, inhibition is defined as the reduction level on organism growth as a direct result of inhibition by Nystatin. The level of inhibition is an indicator of how effective Nystatin was at limiting the growth of an organism in an in vitro environment. High inhibition indicates a greater ability by Nystatin to limit growth, while Low Inhibition a lesser ability to limit growth.