

# INFECTIOUS DIARRHEA TESTING ALGORITHM

Stratify based on clinical and epidemiologic features

1. Normal host with acute watery diarrhea →
2. Testing will not alter clinical care →
3. Severe symptoms, bloody or inflammatory stools, persistent diarrhea, outbreak suspected, epidemiologic or host risk factors: **CONSIDER TESTING BELOW**

**NO TESTING**  
**SYMPTOMATIC CARE**



1. **ACUTE OR CHRONIC DIARRHEA**
  - a. GIP panel [L6598]
2. **CONCERN FOR C. DIFFICILE ONLY (exposure to healthcare system and/or antibiotics)**
  - a. *C. difficile* PCR (Xpert) [L4845]
3. **HISTORY OF FOREIGN TRAVEL**
  - a. GIP Panel [L6598]
  - b. Stool ova & parasite exam [L4353]
4. **IMMUNOCOMPROMISED HOST [BMT]**
  - a. GIP panel [L6598]
  - b. Adenovirus qualitative PCR [L6342]
5. **EPIDEMIOLOGIC RISK FACTORS [ID/GI consult]**
  - a. Stool ova & parasite exam [L4353]
  - b. Isospora/Cyclospora Acid Fast [L4354]
  - c. Microsporidium Detection [L4352]
  - d. Adenovirus qualitative PCR [L6342]
  - e. CMV culture (rectal swab preferred, or stool) [L4246]

- Gastrointestinal Pathogen (GIP) PANEL**  
Organisms detected
- Bacteria**  
*Campylobacter*  
*Clostridium difficile* toxin A/B  
*Salmonella*  
*Vibrio*  
*Yersinia enterocolitica*  
EAEC: enteroaggregative *E. coli*\*  
EPEC: enteropathogenic *E. coli*\*  
ETEC: enterotoxigenic *E. coli*\*  
STEC: Shiga-like toxin producing *E. coli*  
*E. coli* O157  
*Shigella*/EIEC: enteroinvasive *E. coli*  
\* Reported only if hospitalized & risk factors
- Protozoa**  
*Cryptosporidium*  
*Cyclospora cayetanensis*  
*Entamoeba histolytica*  
*Giardia lamblia*
- Viruses**  
Adenovirus F 40/41  
Astrovirus  
Norovirus GI/GII  
Rotavirus A  
Sapovirus