

Microbiology Stool Testing at Alomere

|  | Indications   | Sample requirements  | Set up & Turnaround                             |
|--|---|--|---|
| <b>Stool culture</b><br>(Salmonella, Shigella, Campylobacter, E coli 0157, Aeromonas and Shigatoxin) | Acute community acquired diarrhea.<br>Bloody diarrhea.  | Fresh unpreserved, unformed stool<br>refrigerated <24 hrs<br>C&S ok, No frozen   | Set up daily.<br>Minimum 48 hours for negative. |
| <b>Clostridium difficile (PCR)</b>   | Acute diarrhea with antibiotic exposure or hospitalized > 3days   | Fresh unpreserved, unformed<br>24 hours room temp<br>refrigerated <5 days<br>No C&S, frozen OK<br><b>Formed stools are rejected</b>                      | Set up daily.<br>About 1 hour                   |
| <b>Norovirus (PCR)</b>   | Acute diarrhea & vomiting<br>Exposure   | Fresh unpreserved, unformed stool<br>refrigerated ≤2days<br>No C&S, frozen OK  | Set up daily<br>About 1 1/2 hours               |
| <b>Rotavirus (EIA)</b>   | Acute diarrhea & vomiting.<br>Children, elderly & immunocompromised.  | Fresh unpreserved, unformed stool<br>refrigerated <3 days or frozen  | Set up daily<br>< 1 day                         |
| <b>Giardia/Cryptosporidium (EIA)</b>   | Diarrhea with history of travel, farm contact, contaminated water or food. Daycare or outbreak. HIV.  | Fresh stool<br>Refrigerated < 3 days,<br>Formalin, Cary Blair, C&S ok<br>Frozen OK   | Set up daily<br><1 day                          |
| <b>Ova &amp; Parasite Exam</b>   | Usually not indicated, see below.<br>Persistent diarrhea, negative EIA for Giardia/Crypto.<br>Resident or travel to developing country.<br>Contaminated water. HIV.<br>Possible parasites seen in stool.<br>Contact with farm animals | Fresh stool (1-3 hours old) or preserved<br>1 vial Ecofix, Totalfix or<br>1 each Formalin/PVA vials<br>Additional samples days apart increase detection. | Done M, W, F<br>1-3 days                        |
| <b>Fecal Leukocytes</b>  | Bacterial diarrhea & bowel inflammation.  | Fresh stool  | Set up daily<br><1 day                          |
| <b>H pylori</b>  | Gastric symptoms  | Fresh stool<br>Cary Blair, C&S and Frozen ok   | Set up daily<br><1 day                          |