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Date of Birth : 11-Sep-1986  
Sex : F  
Collected : 22/Feb/2021  
Received: 24/Feb/2021  
85 CASTLE CIRCUIT  
SEAFORTH NSW 2092  
Lab id : **3722974** UR#: 6577943

6 EDWARDS BAY ROAD  
MOSMAN NSW 2088

## MICROBIOLOGY

STOOL, SPOT Result Range Units

### STOOL - MICROSCOPY DAY 1

**MACROSCOPIC DESCRIPTION:** Unformed.

Faecal Occult Blood (FOB): Negative

## GENOMIC\_ASSESSMENTS

STOOL, SPOT Result Range Units

### Faecal Multiplex PCR

#### PARASITIC PATHOGENS

Giardia intestinalis: Not Detected  
Cryptosporidium species: Not Detected  
Dientamoeba fragilis: Not Detected  
Entamoeba histolytica: Not Detected  
Blastocystis hominis: **DETECTED**

#### BACTERIAL PATHOGENS

Campylobacter species: Not Detected  
Salmonella species: Not Detected  
Shigella species: Not Detected  
Yersinia enterocolitica: Not Detected  
Aeromonas species: Not Detected  
Plesiomonas species: Not Detected

#### COMMENT:

Not Detected results indicate the absence of detectable DNA in this sample for the 11 enteropathogens reported.

**Blastocystis hominis has been DETECTED by Multiplex PCR.**

DNA consistent with the presence of B. hominis has been detected using ultra-sensitive PCR techniques.

It has been observed during this assay that the Identification Value of this detected organism is reported at: 18.6

This value represents a strong positive detection, which indicates that it is potentially indicative of an active infection with the presence of predominantly live organisms. An Identification Value that increases over time is indicative of a resolving infection whilst an Identification Value that decreases over time is indicative of a non-improving infection or reinfection.

Blastocystis hominis may be the cause of persistent, mild diarrhoea. It is endemic in Australia, although it may also be associated with recent overseas travel. Detection suggests the ingestion of contaminated material and continued symptoms may require further specimens for the detection of bacterial, viral and/or parasitic pathogens.

#### TREATMENT:

If treatment is warranted, metronidazole 400 - 750mg (child 12-17mg/kg up to 750mg) tds for at least 10 days.

Lower dosages are usually associated with treatment failure.

Tests ordered: FaePCR,OCP,IMPEI

