



MEMORANDUM

TO: Adult and Paediatric GI Service, Adult and Paediatric Surgery
Hamilton Health Sciences, St. Joseph's Healthcare

FROM: Dr. Tony Chetty, Discipline Director
Clinical Chemistry/Immunology

DATE: May 21, 2014

RE: **FECAL CALPROTECTIN TESTING**

We are pleased to announce that effective June 2, 2014, **fecal calprotectin** testing will be available in the Clinical Chemistry/Immunology Laboratory. Inflammatory damage of the intestinal mucosa causes an influx of neutrophils into the intestinal lumen, after which increased calprotectin, an abundant neutrophil protein, can be measured in stools.

Fecal calprotectin can be used to differentiate between inflammatory bowel disease (IBD) and irritable bowel syndrome (IBS); in addition, it is useful in monitoring the effectiveness in IBD treatment and in detecting IBD relapse. Fecal calprotectin can be detected by an immunoassay in a stool sample.

Specimen Collection and Transport to Laboratory:

Stool collected in screw capped clean container should be delivered (at 2-8° C) to the laboratory within 72 hours of collection.

Turnaround Time:

14 days

Reference Intervals:

Adult	Pediatric
<i>normal <50 mg/kg</i>	<i>1 < 6 months: normal <538 mg/kg</i>
	<i>6 months < 3 years: normal <214 mg/kg</i>
	<i>3 < 4 years: normal <75 mg/kg</i>
	<i>4-17 years: normal <50 mg/kg</i>

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