



**DATE:** April 15, 2015

**TO:** EMH Reference Laboratory Clients

**SUBJECT:** New Rapid GI Stool Panel by PCR

Effective April 16<sup>th</sup>, 2015 the EMH Reference Laboratory is pleased to announce the implementation of the new rapid GI Stool Panel by PCR.

The GI panel will dramatically reduce the time to report results on patients suspected of having infectious gastroenteritis, as it is intended to replace traditional Stool Culture and Ova & Parasite testing. The GI Panel simultaneously tests for 22 pathogens from a single stool specimen.

<b>Bacteria</b>	<b>Diarrheagenic <i>E.coli</i>/Shigella</b>
<i>Campylobacter (C.jejuni/C.coli/C.upsaliensis)</i>	<i>Enteroaggregative E.coli</i>
<i>Clostridium difficile (Toxin A/B)</i>	<i>Enteropathogenic E.coli</i>
<i>Plesiomonas shigelloides</i>	<i>Enterotoxigenic E.coli lt/st</i>
<i>Salmonella</i>	<i>Shiga-like toxin-producing E.coli stx1/stx2</i>
<i>Vibrio cholera</i>	<i>E.coli O157</i>
<i>Vibrio (V.parahaemolyticus/V.vulnificus/V.cholera)</i>	<i>Shigella/Enteroinvasive E.coli</i>
<i>Yersinia enterocolitica</i>	
<b>Viruses</b>	<b>Parasites</b>
Adenovirus F 40/41	<i>Cryptosporidium</i>
Astrovirus	<i>Cyclospora cayetanensis</i>
Norovirus GI/GII	<i>Entamoeba histolytica</i>
Rotavirus A	<i>Giardia lamblia</i>
Sapovirus (Genogroups I, II, IV and V)	

The specimens will be forwarded to IDPH for confirmation and/or serology subgrouping if the patient is positive for reportable pathogen.

*Clostridium difficile* assay will still be available to be ordered individually. It is also reported as a part of the GI Panel.

**Specimen Requirement:**

Stool specimen collected in C&S vial (Cary Blair transport media, Orange top container)

Testing performed daily

For more information, or questions please contact EMH Reference Laboratory Client Services at 331-221-4422 or Ellen Michael, Business Development Representative at 847-612-7058



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