

## Test Update: Gastrointestinal Pathogen Panel Changes

Date: April 19, 2021

Dear Regional Pathology Services Clients,

Effective May 3, 2021, our Microbiology laboratory will begin reporting the *Clostridioides difficile* target from our gastrointestinal pathogen panel (GIP). The GIP is a PCR based platform that detects 22 different diarrheal pathogens. It is important to note that detection of *C. difficile* by PCR cannot differentiate between gut colonization or active infection. *C. difficile* colitis and increased morbidity is strongly associated with toxin detection. Therefore, in order to appropriately interpret a positive *C. difficile* test by PCR, we strongly recommend performing a *C. difficile* toxin assay.

Therefore, two separate orders will be available. The first will include a reflex order to a *C. difficile* toxin EIA assay if the GIP detects *C. difficile* by PCR (**Test Code: GIP**). The second is a non-reflex GIP order to ensure non-duplication of tests if the patient has already had a Toxin EIA test performed previously (**Test Code: GIPNR**). *Please note on-line directory will be updated effective May 3.*

**Specimen Requirements:** unchanged

Nebraska Medicine CDI guidance can be found at the Antimicrobial Stewardship website  
[https://www.unmc.edu/intmed/divisions/id/asp/protected-antimicrobials/docs/CDI\\_final.pdf](https://www.unmc.edu/intmed/divisions/id/asp/protected-antimicrobials/docs/CDI_final.pdf)

### **Interface build:**

### **Test: GIP Panel w/Reflex, Test Code: GIP**

The order code GIP will be updated with the addition of the C.Diff Toxin A/B result code as shown below. If that is positive, it will reflex to CDIF toxin EIA.

<u>OrderCode</u>	<u>OrderName</u>	<u>ResultCode</u>	<u>ResultName</u>	<u>LOINC</u>	<u>CPT</u>
GIP	GI PATH PANEL PCR	CMPY	CAMPYLOBACTER SP.	82196-7	0097U
GIP	GI PATH PANEL PCR	CDTXAB	C DIFFICILE TOXIN A/B	82197-5	
GIP	GI PATH PANEL PCR	PLESI	PLESIOMONAS SP.	82198-3	
GIP	GI PATH PANEL PCR	SLMSP	SALMONELLA SPECIES	82199-1	
GIP	GI PATH PANEL PCR	VBRSP	VIBRIO SPECIES	82200-7	
GIP	GI PATH PANEL PCR	VBRC	VIBRIO CHOLERAEE	82201-5	
GIP	GI PATH PANEL PCR	YRSE	Y. ENTEROCOLITICA	82202-3	
GIP	GI PATH PANEL PCR	EAEC	E. COLI (EAEC)	80349-4	
GIP	GI PATH PANEL PCR	EPEC	E. COLI (EPEC)	80348-6	
GIP	GI PATH PANEL PCR	ETEC	E. COLI (ETEC)	80351-0	
GIP	GI PATH PANEL PCR	STEC	E. COLI (STEC)	82203-1	
GIP	GI PATH PANEL PCR	ECO157	E. COLI O157	82204-9	
GIP	GI PATH PANEL PCR	EIEC	SHIGELLA AND EIEC	80350-2	
GIP	GI PATH PANEL PCR	CRYPTO	CRYPTOSPORIDIUM	82205-6	

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GIP	GI PATH PANEL PCR	CAYE	CYCLO. CAYETANENSIS	82206-4	
GIP	GI PATH PANEL PCR	EHISTO	ENTA. HISTOLYTICA	82207-2	
GIP	GI PATH PANEL PCR	GLAMB	GIARDIA LAMBLIA	82208-0	
GIP	GI PATH PANEL PCR	ADNVF	ADENOVIRUS F 40/41	82209-8	
GIP	GI PATH PANEL PCR	ASTRV	ASTROVIRUS	82210-6	
GIP	GI PATH PANEL PCR	NOROV	NOROVIRUS GI/GII	82211-4	
GIP	GI PATH PANEL PCR	ROTV	ROTA VIRUS A	82212-2	
GIP	GI PATH PANEL PCR	SAPO	SAPOVIRUS	82213-0	
GIP	GI PATH PANEL PCR	GIPCOM	COMMENT		

**Reflex if positive:**

<u>OrderCode</u>	<u>OrderName</u>	<u>ResultCode</u>	<u>ResultName</u>	<u>LOINC</u>	<u>CPT</u>
CDIF	C. DIFFICILE ASSAY	SDES	Specimen Source	31208-2	87324, 87449
CDIF	C. DIFFICILE ASSAY	SREQ	Additional Info	48767-8	
CDIF	C. DIFFICILE ASSAY	CDIFAB	Results	34468-9	
CDIF	C. DIFFICILE ASSAY	RPT	Report Status		

**GIP Panel with No reflex, Test Code: GIPNR**

If clients do not want the auto reflex panel please build the new test code GIPNR with the added result code for C. Diff toxin. The following comment will be appended if the C.Diff is positive: *“Detection of C. difficile toxin A/B genes (tcdA/B) alone DOES NOT indicate disease or need for treatment. Since C. difficile colitis and increased morbidity and mortality are associated with toxin detection, we strongly recommend a C. difficile Toxin EIA assay. Please follow Nebraska Medicine CDI guidance regarding clinical management and treatment [https://www.unmc.edu/intmed/divisions/id/asp/protected-antimicrobials/docs/CDI\\_final.pdf](https://www.unmc.edu/intmed/divisions/id/asp/protected-antimicrobials/docs/CDI_final.pdf)”*

<u>OrderCode</u>	<u>OrderName</u>	<u>ResultCode</u>	<u>ResultName</u>	<u>LOINC</u>	<u>CPT</u>
GIPNR	GI PATH PANEL PCR NO RFLX	CMFY	CAMPYLOBACTER SP.	82196-7	0097U
GIPNR	GI PATH PANEL PCR NO RFLX	CDTXAB	C DIFFICILE TOXIN A/B	82197-5	
GIPNR	GI PATH PANEL PCR NO RFLX	PLESI	PLESIOMONAS SP.	82198-3	
GIPNR	GI PATH PANEL PCR NO RFLX	SLMSP	SALMONELLA SPECIES	82199-1	
GIPNR	GI PATH PANEL PCR NO RFLX	VBRSP	VIBRIO SPECIES	82200-7	
GIPNR	GI PATH PANEL PCR NO RFLX	VBRC	VIBRIO CHOLERAE	82201-5	
GIPNR	GI PATH PANEL PCR NO RFLX	YRSE	Y. ENTEROCOLITICA	82202-3	
GIPNR	GI PATH PANEL PCR NO RFLX	EAEC	E. COLI (EAEC)	80349-4	
GIPNR	GI PATH PANEL PCR NO RFLX	EPEC	E. COLI (EPEC)	80348-6	
GIPNR	GI PATH PANEL PCR NO RFLX	ETEC	E. COLI (ETEC)	80351-0	
GIPNR	GI PATH PANEL PCR NO RFLX	STEC	E. COLI (STEC)	82203-1	

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GIPNR	GI PATH PANEL PCR NO RFLX	ECO157	E. COLI O157	82204-9	
GIPNR	GI PATH PANEL PCR NO RFLX	EIEC	SHIGELLA AND EIEC	80350-2	
GIPNR	GI PATH PANEL PCR NO RFLX	CRYPTO	CRYPTOSPORIDIUM	82205-6	
GIPNR	GI PATH PANEL PCR NO RFLX	CAYE	CYCLO. CAYETANENSIS	82206-4	
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GIPNR	GI PATH PANEL PCR NO RFLX	SAPO	SAPOVIRUS	82213-0	
GIPNR	GI PATH PANEL PCR NO RFLX	GIPCOM	COMMENT		

If you have any questions about the interface build please contact **Interface**

**Support:** [rpsinterfacesupport@unmc.edu](mailto:rpsinterfacesupport@unmc.edu)

If you have questions about these changes please contact your coordinator:

<http://www.reglab.org/contact-us/>