QIAstat-Dx® LIS Interface Specification
QIAstat-Dx Gastrointestinal Panel 2

IVD

REF	691421

R1

Sample to Insight

Contents

Purpose and Scope

Purpose

The purpose of this document is to specify the exchange of information between the QIAstat-Dx Analyzer 1.0 and an external computer system when using the QIAstat-Dx Gastrointestinal Panel 2 (cat. no. 691421).

This external system, which plays the role of the automation manager, is typically a laboratory information system (LIS) or a laboratory data manager computer system. In this document, the external system is generically referred to as LIS.

The protocol used for the information exchange is the international Health Level Seven (HL7), 2.5. This document describes the content that is specific for this panel and is exchanged within messages.

Scope

This document describes the information for the QIAstat-Dx Gastrointestinal Panel 2 Assay Definition File (ADF) version 2.0 or above, as well as the application software on an external computer system version 1.4 or later.

Definitions and Acronyms

Table 1. Definitions and acronyms

Word or acronym	Definition
ADF	Assay Definition File
HL7	Health Level Seven
LIS	Laboratory information system
LOINC	Logical Observation Identifiers Names and Codes
ORC	Name Of Alternate Coding System
SNOMED	Systematized Nomenclature of Medicine
STAT-DX	Proprietary coding system from QIAGEN

Coding Systems

The QIAstat-Dx System has a 10/100 ethernet port supporting the host-communication interface. The Communication through this port can be configured for the HL7 protocol.

STAT-DX and LOINC coding systems

STAT-DX is a QIAGEN proprietary coding system. Except for result codes, all information exchanged by the QIAstat-Dx System uses this coding system.

The name of the assay is coded as GI2 in the "OBR 4.1 Universal Service Identifier" field of HL7.

Example

OBR|1|||GI2|||20221026152650|20221026164320|||||||||||||||||||F

The sample types are coded as indicated in the following table:

Table 2. Sample type

Specimen-type text, OBR 4.2	Specimen-type identifier, OBR 4.1
Para-Pak C&S	980
FecalSwab	999

Example

Example: SPM|1|541032949||980^Para-Pak C&S^STAT-DX|||||||P
Example: SPM|1|541032950||999^FecalSwab^STAT-DX|||||||P

In HL7, analyte names and short names are the alternate test names and the alternate test identifiers, respectively. In the "OBX 3.6 the Name Of Alternate Coding System" section, these should be informed as STAT-DX.

Table 3. Alternate test names and identifiers for OBX 3.4 and 3.5

Alternate test name, OBX 3.5	Alternate test identifier, OBX 3.4	Alternate test name, OBX 3.5	Alternate test identifier, OBX 3.4
Adenovirus F40/F41	ADE	Enterotoxigenic *E. coli* (ETEC) lt/st	ETEC
Astrovirus	AST	Shiga-like toxin *E. coli* (STEC) stx1 / stx2	STEC
Norovirus GI/GII	NOR	*E. coli* O157	O157
Rotavirus A	ROT	*Shigella*/Enteroinvasive *E. coli* (EIEC)	EIEC
Campylobacter	CAM	*Cryptosporidium*	CRY
Plesiomonas shigelloides	PLE	*Cyclospora cayetanensis*	CYC
Salmonella	SAL	*Entamoeba histolytica*	ENT
Yersinia enterocolitica	YER	*Giardia lamblia*	GIA
Enteropathogenic *E. coli* (EPEC)	EPEC		

Example:

OBX|1|CE|92690-7^Adenovirus 40+41 DNA^LN^ADE^Adenovirus F40/F41^STAT-DX|ADE|260385009^NEGATIVE^SCT|||||||F|||||labuser^labuser||001743|20240528140617

For the case of the FecalSwab sample type, the analytes Shiga-like toxin *E. coli* (STEC) stx1/stx2, Enteropathogenic *E. coli* (EPEC) and *E. coli* O157 are not part of the intended use of the product so they are never reported.

The internal control (IC) is also reported as an analyte.

Table 4. Analyte test name and identifier

Alternate test name, OBX 3.5	Alternate test identifier, OBX 3.4
IC	IC

Analytes names are also sent using the LOINC coding system. In the "OBX 3.3 the Name Of Alternate Coding System" section this analyte name should be informed as LN.

Table 5. LOINC coding system for analytes

Identifier, OBX 3.1	Text, OBX 3.2	Identifier, OBX 3.1	Text, OBX 3.2
92690-7	Adenovirus 40+41 DNA	97319-8	*Escherichia coli* enterotoxigenic DNA
92691-5	Astrovirus RNA	80679-4	*Escherichia coli* Stx1+Stx2 toxin stx1+stx2 genes
92692-3	Norovirus genogroup I+II RNA	97320-6	*Escherichia coli* O157 DNA
92693-1	Rotavirus A RNA	70242-3	*Shigella* species+EIEC invasion plasmid antigen H (ipaH) gene
97312-3	*Campylobacter coli*+jejuni+upsaliensis DNA	88928-7	*Cryptosporidium* sp. DNA
70296-9	*Plesiomonas shigelloides* DNA	97321-4	*Cyclospora cayetanensis* DNA
97313-1	*Salmonella* sp. DNA	92689-9	*Entamoeba histolytica* DNA
92723-6	*Yersinia enterocolitica* DNA	92687-3	*Giardia lamblia* DNA
97318-0	*Escherichia coli* enteropathogenic DNA		

For the case of the FecalSwab sample type, the analytes Shiga-like toxin E. coli (STEC) stx1/stx2, Enteropathogenic E. coli (EPEC) and E. coli O157 are not part of the intended use of the product so they are never reported.

For the case of Para-Pak C&S sample type, a result for a gastrointestinal organism is interpreted as "Positive" when the corresponding PCR assay is positive, except for EPEC, STEC and *E. coli* O157. The result interpretation for EPEC, STEC and *E. coli* O157 follows the rationale explained in Table 6, below.

Table 6. Interpretation of EPEC, STEC, and E. coli O157 results

EPEC Result	STEC stx1/stx2 Result	E. coli O157 Result	Description
Negative	Negative	N/A	Enteropathogenic *E. coli* (EPEC) was not detected and Shiga-like toxin-producing *E. coli* (STEC) stx1/stx2 is negative as both stx1 and stx2 have not been detected. *E. coli* O157 result is not applicable (N/A) when Shiga-like toxin-producing *E. coli* (STEC) stx1/stx2 is not detected due to *E. coli* O157 being a specific serotype of STEC
Positive	Negative	N/A	Enteropathogenic *E. coli* (EPEC) was detected and Shiga-like toxin-producing *E. coli* (STEC) stx1/stx2 is negative as both stx1 and stx2 have not been detected. *E. coli* O157 result is not applicable (N/A) when Shiga-like toxin-producing *E. coli* (STEC) stx1/stx2 is not detected due to *E. coli* O157 being a specific serotype of STEC.
N/A	Positive	Negative	EPEC result is not applicable because EPEC detection cannot be differentiated when STEC stx1 or stx2 is detected. *E. coli* O157 was not detected.
N/A	Positive	Positive	EPEC result is not applicable because EPEC detection cannot be differentiated when STEC stx1 or stx2 is detected. *E. coli* O157 was detected.

There are some examples of these cases at the end of the document.

Example Gastrointestinal Panel 2 analyte:

OBX|1|CE|92690-7^Adenovirus 40+41 DNA^LN^ADE^Adenovirus F40/F41^STAT-DX|ADE|260385009^NEGATIVE^SCT|||||||F|||||labuser^labuser||001743|20240528140617

Example IC analyte (note that IC does not contain a LOINC code):

OBX|52|CE|^^^IC^IC^STAT-DX|IC|10828004^POSITIVE^SCT|||||||F|||||labuser^labuser||001743|20230608172955

SNOMED coding system

For laboratory-based reporting, SNOMED is recommended for the "OBX-5" section when results are coded and data types are used. The following table lists SNOMED codes for qualitative results.

Table 6. SNOMED codes for qualitative results

Observation value, OBX 5	Qualitative result, OBX 5.1	Value shown in the instrument
10828004	POSITIVE (qualifier value)	Positive
260385009	NEGATIVE (qualifier value)	Negative
373068000	UNDETERMINED (qualifier value)	Invalid
38542009	NOT APPLICABLE (qualifier value)	Not applicable

Example negative value:

OBX|1|CE|92690-7^Adenovirus 40+41 DNA^LN^ADE^Adenovirus F40/F41^STAT-
DX|ADE|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|2|NM|^^^ADE.Ct^Adenovirus F40/F41 Ct^STAT-
DX|ADE|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|3|NM|^^^ADE.EndPoint^Adenovirus F40/F41 End Point^STAT-
DX|ADE|NA||||||F|||||labuser^labuser||001743|20240528140617

Example positive value:

OBX|46|CE|92689-9^Entamoeba histolytica DNA^LN^ENT^Entamoeba histolytica^STAT-
DX|ENT|10828004^POSITIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|47|NM|^^^ENT.Ct^Entamoeba histolytica Ct^STAT-
DX|ENT|32.06||||||F|||||labuser^labuser||001484|20240528153554
OBX|48|NM|^^^ENT.EndPoint^Entamoeba histolytica End Point^STAT-
DX|ENT|217091.78||||||F|||||labuser^labuser||001484|20240528153554

Example invalid value:

OBX|25|CE|97318-0^Escherichia coli enteropathogenic DNA^LN^EPEC^Enteropathogenic E. coli (EPEC)^STAT-
DX|EPEC|373068000^UNDETERMINED^SCT||||||F|||||labuser^labuser||001484|20240528172934
OBX|26|NM|^^^EPEC.Ct^Enteropathogenic E. coli (EPEC) Ct^STAT-
DX|EPEC|NA||||||F|||||labuser^labuser||001484|20240528172934
OBX|27|NM|^^^EPEC.EndPoint^Enteropathogenic E. coli (EPEC) End Point^STAT-
DX|EPEC|NA||||||F|||||labuser^labuser||001484|20240528172934

Example not applicable value:

OBX|34|CE|97320-6^Escherichia coli O157 DNA^LN^O157^E. coli O157^STAT-DX|O157|38542009^NOT
APPLICABLE^SCT||||||F|||||labuser^labuser||001743|20240528172955
OBX|35|NM|^^^O157.Ct^E. coli O157 Ct^STAT-
DX|O157|NA||||||F|||||labuser^labuser||001743|20240528172955
OBX|36|NM|^^^O157.EndPoint^E. coli O157 End Point^STAT-
DX|O157|NA||||||F|||||labuser^labuser||001743|20240528172955

Examples

The following is an example of a negative result: *

MSH|^~\&|DiagCORE000001492||MYLIS||20240529075446||OUL^R22^OUL_R22|M202405290754460003|P|2.5||||||UNI
CODE UTF-8
PID|1|||neg
SPM|1|541032949|||980^Para-Pak C&S^STAT-DX|||||||P
OBR|1||||GI2|||20240528125013|20240528140617||||||||||||||||||F
ORC|SC
OBX|1|CE|92690-7^Adenovirus 40+41 DNA^LN^ADE^Adenovirus F40/F41^STAT-
DX|ADE|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|2|NM|^^^ADE.Ct^Adenovirus F40/F41 Ct^STAT-DX|ADE|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|3|NM|^^^ADE.EndPoint^Adenovirus F40/F41 End Point^STAT-
DX|ADE|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|4|CE|92691-5^Astrovirus RNA^LN^AST^Astrovirus^STAT-
DX|AST|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|5|NM|^^^AST.Ct^Astrovirus Ct^STAT-DX|AST|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|6|NM|^^^AST.EndPoint^Astrovirus End Point^STAT-DX|AST|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|7|CE|92692-3^Norovirus genogroup I+II RNA^LN^NOR^Norovirus GI/GII^STAT-
DX|NOR|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|8|NM|^^^NOR.Ct^Norovirus GI/GII Ct^STAT-DX|NOR|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|9|NM|^^^NOR.EndPoint^Norovirus GI/GII End Point^STAT-
DX|NOR|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|10|CE|92693-1^Rotavirus A RNA^LN^ROT^Rotavirus A^STAT-
DX|ROT|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|11|NM|^^^ROT.Ct^Rotavirus A Ct^STAT-DX|ROT|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|12|NM|^^^ROT.EndPoint^Rotavirus A End Point^STAT-DX|ROT|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|13|CE|97312-3^Campylobacter coli+jejuni+upsaliensis DNA^LN^CAM^Campylobacter^STAT-
DX|CAM|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|14|NM|^^^CAM.Ct^Campylobacter Ct^STAT-DX|CAM|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|15|NM|^^^CAM.EndPoint^Campylobacter End Point^STAT-
DX|CAM|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|16|CE|70296-9^Plesiomonas shigelloides DNA^LN^PLE^Plesiomonas shigelloides^STAT-
DX|PLE|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|17|NM|^^^PLE.Ct^Plesiomonas shigelloides Ct^STAT-DX|PLE|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|18|NM|^^^PLE.EndPoint^Plesiomonas shigelloides End Point^STAT-
DX|PLE|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|19|CE|97313-1^Salmonella sp DNA^LN^SAL^Salmonella^STAT-
DX|SAL|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|20|NM|^^^SAL.Ct^Salmonella Ct^STAT-DX|SAL|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|21|NM|^^^SAL.EndPoint^Salmonella End Point^STAT-DX|SAL|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|22|CE|92723-6^Yersinia enterocolitica DNA^LN^YER^Yersinia enterocolitica^STAT-
DX|YER|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|23|NM|^^^YER.Ct^Yersinia enterocolitica Ct^STAT-DX|YER|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|24|NM|^^^YER.EndPoint^Yersinia enterocolitica End Point^STAT-
DX|YER|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|25|CE|97318-0^Escherichia coli enteropathogenic DNA^LN^EPEC^Enteropathogenic E. coli (EPEC)^STAT-
DX|EPEC|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|26|NM|^^^EPEC.Ct^Enteropathogenic E. coli (EPEC) Ct^STAT-
DX|EPEC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|27|NM|^^^EPEC.EndPoint^Enteropathogenic E. coli (EPEC) End Point^STAT-
DX|EPEC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|28|CE|97319-8^Escherichia coli enterotoxigenic DNA^LN^ETEC^Enterotoxigenic E. coli (ETEC) lt/st^STAT-
DX|ETEC|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|29|NM|^^^ETEC.Ct^Enterotoxigenic E. coli (ETEC) lt/st Ct^STAT-
DX|ETEC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|30|NM|^^^ETEC.EndPoint^Enterotoxigenic E. coli (ETEC) lt/st End Point^STAT-
DX|ETEC|NA||||||F|||||labuser^labuser||001743|20240528140617

* In this case the result for the analyte *E. coli* O157 is not applicable since the Enteropathogenic *E. coli* (EPEC) as well as the Shiga-like toxin *E. coli* (STEC)
stx1/stx2 are negative. Para-Pak C&S sample type was selected so that all analytes are reported.

OBX|31|CE|80679-4^Escherichia coli Stx1+Stx2 toxin stx1+stx2 genes^LN^STEC^Shiga-like toxin E. coli (STEC) stx1 / stx2^STAT-
DX|STEC|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|32|NM|^^^STEC.Ct^Shiga-like toxin E. coli (STEC) stx1 / stx2 Ct^STAT-
DX|STEC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|33|NM|^^^STEC.EndPoint^Shiga-like toxin E. coli (STEC) stx1 / stx2 End Point^STAT-
DX|STEC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|34|CE|97320-6^Escherichia coli O157 DNA^LN^O157^E. coli O157^STAT-DX|O157|38542009^NOT
APPLICABLE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|35|NM|^^^O157.Ct^E. coli O157 Ct^STAT-DX|O157|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|36|NM|^^^O157.EndPoint^E. coli O157 End Point^STAT-
DX|O157|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|37|CE|70242-3^Shigella species+EIEC invasion plasmid antigen H (ipaH) gene^LN^EIEC^Shigella/Enteroinvasive E. coli
(EIEC)^STAT-DX|EIEC|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|38|NM|^^^EIEC.Ct^Shigella/Enteroinvasive E. coli (EIEC) Ct^STAT-
DX|EIEC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|39|NM|^^^EIEC.EndPoint^Shigella/Enteroinvasive E. coli (EIEC) End Point^STAT-
DX|EIEC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|40|CE|88928-7^Cryptosporidium sp DNA^LN^CRY^Cryptosporidium^STAT-
DX|CRY|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|41|NM|^^^CRY.Ct^Cryptosporidium Ct^STAT-DX|CRY|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|42|NM|^^^CRY.EndPoint^Cryptosporidium End Point^STAT-
DX|CRY|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|43|CE|97321-4^Cyclospora cayetanensis DNA^LN^CYC^Cyclospora cayetanensis^STAT-
DX|CYC|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|44|NM|^^^CYC.Ct^Cyclospora cayetanensis Ct^STAT-
DX|CYC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|45|NM|^^^CYC.EndPoint^Cyclospora cayetanensis End Point^STAT-
DX|CYC|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|46|CE|92689-9^Entamoeba histolytica DNA^LN^ENT^Entamoeba histolytica^STAT-
DX|ENT|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|47|NM|^^^ENT.Ct^Entamoeba histolytica Ct^STAT-DX|ENT|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|48|NM|^^^ENT.EndPoint^Entamoeba histolytica End Point^STAT-
DX|ENT|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|49|CE|92687-3^Giardia lamblia DNA^LN^GIA^Giardia lamblia^STAT-
DX|GIA|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|50|NM|^^^GIA.Ct^Giardia lamblia Ct^STAT-DX|GIA|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|51|NM|^^^GIA.EndPoint^Giardia lamblia End Point^STAT-
DX|GIA|NA||||||F|||||labuser^labuser||001743|20240528140617
OBX|52|CE|^^^IC^IC^STAT-DX|IC|10828004^POSITIVE^SCT||||||F|||||labuser^labuser||001743|20240528140617
OBX|53|NM|^^^IC.Ct^IC Ct^STAT-DX|IC|32.34||||||F|||||labuser^labuser||001743|20240528140617
OBX|54|NM|^^^IC.EndPoint^IC End Point^STAT-DX|IC|279892.36||||||F|||||labuser^labuser||001743|20240528140617

The following is an example of a positive result: **

MSH|^~\&|DiagCORE000001492||MYLIS||20240529075507||OUL^R22^OUL_R22|M202405290755070004|P|
        2.5||||||UNICODE UTF-8
PID|1|||STEC pos
SPM|1|541032949||980^Para-Pak C&S^STAT-DX|||||||P
OBR|1||||GI2|||20240528141925|20240528153554|||||||||||||||||||||||F
ORC|SC
OBX|1|CE|92690-7^Adenovirus 40+41 DNA^LN^ADE^Adenovirus F40/F41^STAT-
        DX|ADE|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|2|NM|^^^ADE.Ct^Adenovirus F40/F41 Ct^STAT-
        DX|ADE|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|3|NM|^^^ADE.EndPoint^Adenovirus F40/F41 End Point^STAT-
        DX|ADE|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|4|CE|92691-5^Astrovirus RNA^LN^AST^Astrovirus^STAT-
        DX|AST|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|5|NM|^^^AST.Ct^Astrovirus Ct^STAT-DX|AST|NA||||||F|||||labuser^labuser||001484|20240528153554

** In this case the result for the analyte Enteropathogenic *E. coli* (EPEC) is not applicable since the *E. coli* O157 as well as the Shiga-like toxin *E. coli* (STEC)
    stx1/stx2 are positive. Para-Pak C&S sample type was selected so that all anayltes are reported.

OBX|6|NM|^^^AST.EndPoint^Astrovirus End Point^STAT-DX|AST|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|7|CE|92692-3^Norovirus genogroup I+II RNA^LN^NOR^Norovirus GI/GII^STAT-DX|NOR|10828004^POSITIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|8|NM|^^^NOR.Ct^Norovirus GI/GII Ct^STAT-DX|NOR|31.88||||||F|||||labuser^labuser||001484|20240528153554

OBX|9|NM|^^^NOR.EndPoint^Norovirus GI/GII End Point^STAT-DX|NOR|232894.72||||||F|||||labuser^labuser||001484|20240528153554

OBX|10|CE|92693-1^Rotavirus A RNA^LN^ROT^Rotavirus A^STAT-DX|ROT|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|11|NM|^^^ROT.Ct^Rotavirus A Ct^STAT-DX|ROT|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|12|NM|^^^ROT.EndPoint^Rotavirus A End Point^STAT-DX|ROT|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|13|CE|97312-3^Campylobacter coli+jejuni+upsaliensis DNA^LN^CAM^Campylobacter^STAT-DX|CAM|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|14|NM|^^^CAM.Ct^Campylobacter Ct^STAT-DX|CAM|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|15|NM|^^^CAM.EndPoint^Campylobacter End Point^STAT-DX|CAM|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|16|CE|70296-9^Plesiomonas shigelloides DNA^LN^PLE^Plesiomonas shigelloides^STAT-DX|PLE|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|17|NM|^^^PLE.Ct^Plesiomonas shigelloides Ct^STAT-DX|PLE|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|18|NM|^^^PLE.EndPoint^Plesiomonas shigelloides End Point^STAT-DX|PLE|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|19|CE|97313-1^Salmonella sp DNA^LN^SAL^Salmonella^STAT-DX|SAL|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|20|NM|^^^SAL.Ct^Salmonella Ct^STAT-DX|SAL|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|21|NM|^^^SAL.EndPoint^Salmonella End Point^STAT-DX|SAL|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|22|CE|92723-6^Yersinia enterocolitica DNA^LN^YER^Yersinia enterocolitica^STAT-DX|YER|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|23|NM|^^^YER.Ct^Yersinia enterocolitica Ct^STAT-DX|YER|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|24|NM|^^^YER.EndPoint^Yersinia enterocolitica End Point^STAT-DX|YER|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|25|CE|97318-0^Escherichia coli enteropathogenic DNA^LN^EPEC^Enteropathogenic E. coli (EPEC)^STAT-DX|EPEC|38542009^NOT APPLICABLE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|26|NM|^^^EPEC.Ct^Enteropathogenic E. coli (EPEC) Ct^STAT-DX|EPEC|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|27|NM|^^^EPEC.EndPoint^Enteropathogenic E. coli (EPEC) End Point^STAT-DX|EPEC|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|28|CE|97319-8^Escherichia coli enterotoxigenic DNA^LN^ETEC^Enterotoxigenic E. coli (ETEC) lt/st^STAT-DX|ETEC|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|29|NM|^^^ETEC.Ct^Enterotoxigenic E. coli (ETEC) lt/st Ct^STAT-DX|ETEC|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|30|NM|^^^ETEC.EndPoint^Enterotoxigenic E. coli (ETEC) lt/st End Point^STAT-DX|ETEC|NA||||||F|||||labuser^labuser||001484|20240528153554

OBX|31|CE|80679-4^Escherichia coli Stx1+Stx2 toxin stx1+stx2 genes^LN^STEC^Shiga-like toxin E. coli (STEC) stx1 / stx2^STAT-DX|STEC|10828004^POSITIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554

OBX|32|NM|^^^STEC.Ct^Shiga-like toxin E. coli (STEC) stx1 / stx2 Ct^STAT-DX|STEC|32.32||||||F|||||labuser^labuser||001484|20240528153554

OBX|33|NM|^^^STEC.EndPoint^Shiga-like toxin E. coli (STEC) stx1 / stx2 End Point^STAT-DX|STEC|276389.92||||||F|||||labuser^labuser||001484|20240528153554

OBX|34|CE|97320-6^Escherichia coli O157 DNA^LN^O157^E. coli O157^STAT-
    DX|O157|10828004^POSITIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|35|NM|^^^O157.Ct^E. coli O157 Ct^STAT-
    DX|O157|31.01||||||F|||||labuser^labuser||001484|20240528153554
OBX|36|NM|^^^O157.EndPoint^E. coli O157 End Point^STAT-
    DX|O157|197168.56||||||F|||||labuser^labuser||001484|20240528153554
OBX|37|CE|70242-3^Shigella species+EIEC invasion plasmid antigen H (ipaH) gene^LN^EIEC^Shigella/Enteroinvasive
    E. coli (EIEC)^STAT-
    DX|EIEC|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|38|NM|^^^EIEC.Ct^Shigella/Enteroinvasive E. coli (EIEC) Ct^STAT-
    DX|EIEC|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|39|NM|^^^EIEC.EndPoint^Shigella/Enteroinvasive E. coli (EIEC) End Point^STAT-
    DX|EIEC|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|40|CE|88928-7^Cryptosporidium sp DNA^LN^CRY^Cryptosporidium^STAT-
    DX|CRY|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|41|NM|^^^CRY.Ct^Cryptosporidium Ct^STAT-
    DX|CRY|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|42|NM|^^^CRY.EndPoint^Cryptosporidium End Point^STAT-
    DX|CRY|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|43|CE|97321-4^Cyclospora cayetanensis DNA^LN^CYC^Cyclospora cayetanensis^STAT-
    DX|CYC|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|44|NM|^^^CYC.Ct^Cyclospora cayetanensis Ct^STAT-
    DX|CYC|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|45|NM|^^^CYC.EndPoint^Cyclospora cayetanensis End Point^STAT-
    DX|CYC|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|46|CE|92689-9^Entamoeba histolytica DNA^LN^ENT^Entamoeba histolytica^STAT-
    DX|ENT|10828004^POSITIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|47|NM|^^^ENT.Ct^Entamoeba histolytica Ct^STAT-
    DX|ENT|32.06||||||F|||||labuser^labuser||001484|20240528153554
OBX|48|NM|^^^ENT.EndPoint^Entamoeba histolytica End Point^STAT-
    DX|ENT|217091.78||||||F|||||labuser^labuser||001484|20240528153554
OBX|49|CE|92687-3^Giardia lamblia DNA^LN^GIA^Giardia lamblia^STAT-
    DX|GIA|260385009^NEGATIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|50|NM|^^^GIA.Ct^Giardia lamblia Ct^STAT-
    DX|GIA|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|51|NM|^^^GIA.EndPoint^Giardia lamblia End Point^STAT-
    DX|GIA|NA||||||F|||||labuser^labuser||001484|20240528153554
OBX|52|CE|^^^IC^IC^STAT-
    DX|IC|10828004^POSITIVE^SCT||||||F|||||labuser^labuser||001484|20240528153554
OBX|53|NM|^^^IC.Ct^IC Ct^STAT-DX|IC|33.82||||||F|||||labuser^labuser||001484|20240528153554
OBX|54|NM|^^^IC.EndPoint^IC End Point^STAT-
    DX|IC|54248.78||||||F|||||labuser^labuser||001484|20240528153554