

# Xpert® GI Panel (CE-IVD) Laboratory Information System Guidance

## **REF** **GXGI-CE-10**

ADF: **Xpert GI Panel CE-IVD**

**Version 2**

Purpose: To provide information for enabling a Laboratory Information System (LIS) interface for the Xpert® GI Panel test on the GeneXpert® Systems.

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- 2 Example Result Messages
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If you need further assistance, please contact Cepheid Technical Support at <https://www.cepheid.com/en-GB/support/contact-us.html>.

## 1 Host Communication in GeneXpert® System

### 1.1 Consult your LIS System Administrator:

Before making changes to your GeneXpert LIS interface settings, consult your LIS System Administrator.

### 1.2 Enable Host Communication:

If the GeneXpert system is not already configured for LIS host communication, follow the instructions in your GeneXpert System's User Guide: "Configuring Host Communications for a LIS."

### 1.3 Assay Host Test Code and Result Code Configuration:

Assay Host Test Code and Result Code must be defined in the GeneXpert Systems.

**Note:** When defining Host Test Codes and Result Codes, consider your organization's needs. The test codes are user defined and can be altered in accordance with your institutional requirements.

#### 1.1 Suggested Assay Host Test Codes and Possible Result Values

| ADF Name / Assay Name | ADF Version | Assay Host Test Code | Result Name         | Result Test Code |
|-----------------------|-------------|----------------------|---------------------|------------------|
| Xpert GI Panel CE-IVD | 2           | GI PANEL             | Campylobacter       | CAMP             |
|                       |             |                      | Cryptosporidium     | CRYPTO           |
|                       |             |                      | Giardia             | GIARDIA          |
|                       |             |                      | Invalid*            | INV*             |
|                       |             |                      | Norovirus           | NORO             |
|                       |             |                      | Salmonella          | SALMONELLA       |
|                       |             |                      | Shigella EIEC       | EIEC             |
|                       |             |                      | STEC stx1           | STX1             |
|                       |             |                      | STEC stx2           | STX2             |
|                       |             |                      | V. cholerae         | VCHOL            |
|                       |             |                      | V. parahaemolyticus | VPARA            |
| Yersinia              | YERSINIA    |                      |                     |                  |

**\*Note:** A target named "INVALID" was created because of result calculations needed by the Cepheid software and is included in the test code table. This target should be ignored entirely when mapping results in LIS. The result for this "INVALID" target will be "Invalid" when the final panel test result is INVALID and will be blank (empty) for all other valid results. The "INVALID" target might cross in different record lines depending on the result, LIS administrator to ignore "INVALID" target entirely.

| Possible Result Values for each Target |
|----------------------------------------|
| POSITIVE                               |
| NEGATIVE                               |
| ERROR*                                 |
| INVALID*                               |
| NO RESULT*                             |

*\*The results listed are examples of possible non-determinate Results. Please note that the list is not exhaustive, and there may be other possible non-determinate results.*

#### 1.5 LOINC Codes

For LOINC Codes, please email [reimbursement@Cepheid.com](mailto:reimbursement@Cepheid.com)



R|11|^GI PANEL^^EIEC^^^Shigella EIEC^|POS^|||  
R|12|^GI PANEL^^EIEC^^^Shigella EIEC^Ct|^22.3|||  
R|13|^GI PANEL^^EIEC^^^Shigella EIEC^EndPt|^329.0|||  
R|14|^GI PANEL^^VCHOL^Xpert GI Panel CE-IVD^2^V. cholerae^|NEGATIVE^||||F||support|20260323023936|20260323035706|DESKTOP-111043F^745494^210077264^0^10201^  
R|15|^GI PANEL^^VPARA^Xpert GI Panel CE-IVD^2^V. parahaemolyticus^|NEGATIVE^||||F||support|20260323023936|20260323035706|DESKTOP-111043F^745494^210077264^0^10201^  
R|16|^GI PANEL^^YERSINIA^Xpert GI Panel CE-IVD^2^Yersinia^|POSITIVE^||||F||support|20260323023936|20260323035706|DESKTOP-111043F^745494^210077264^0^10201^  
R|17|^GI PANEL^^YERSINIA^^^Yersinia^Tm|^61.6|||  
R|18|^GI PANEL^^YERSINIA^^^Yersinia^PkHgt|^19.7|||  
R|19|^GI PANEL^^CRYPTO^Xpert GI Panel CE-IVD^2^Cryptosporidium^|POSITIVE^||||F||support|20260323023936|20260323035706|DESKTOP-111043F^745494^210077264^0^10201^  
R|20|^GI PANEL^^CRYPTO^^^Cryptosporidium^|POS^|||  
R|21|^GI PANEL^^CRYPTO^^^Cryptosporidium^Ct|^23.9|||  
R|22|^GI PANEL^^CRYPTO^^^Cryptosporidium^EndPt|^364.0|||  
R|23|^GI PANEL^^GIARDIA^Xpert GI Panel CE-IVD^2^Giardia^|NEGATIVE^||||F||support|20260323023936|20260323035706|DESKTOP-111043F^745494^210077264^0^10201^  
R|24|^GI PANEL^^GIARDIA^^^Giardia^|NEG^|||  
R|25|^GI PANEL^^GIARDIA^^^Giardia^Ct|^0.0|||  
R|26|^GI PANEL^^GIARDIA^^^Giardia^EndPt|^2.0|||  
R|27|^GI PANEL^^NORO^Xpert GI Panel CE-IVD^2^Norovirus^|POSITIVE^||||F||support|20260323023936|20260323035706|DESKTOP-111043F^745494^210077264^0^10201^  
R|28|^GI PANEL^^NORO^^^Norovirus^|POS^|||  
R|29|^GI PANEL^^NORO^^^Norovirus^Ct|^29.4|||  
R|30|^GI PANEL^^NORO^^^Norovirus^EndPt|^162.0|||  
R|31|^GI PANEL^^INV^Xpert GI Panel CE-IVD^2^INVALID^|F||||F||support|20260323023936|20260323035706|DESKTOP-111043F^745494^210077264^0^10201^  
R|32|^GI PANEL^^INV^^^SPC^|POS^|||  
R|33|^GI PANEL^^INV^^^SPC^Ct|^33.3|||  
R|34|^GI PANEL^^INV^^^SPC^EndPt|^131.0|||  
R|35|^GI PANEL^^INV^^^IC^|POS^|||  
R|36|^GI PANEL^^INV^^^IC^Ct|^30.9|||  
R|37|^GI PANEL^^INV^^^IC^EndPt|^305.0|||  
R|38|^GI PANEL^^INV^^^Salmonella^|POS^|||  
R|39|^GI PANEL^^INV^^^Salmonella^Ct|^37.2|||  
R|40|^GI PANEL^^INV^^^Salmonella^EndPt|^236.0|||  
R|41|^GI PANEL^^INV^^^Shigella EIEC^|POS^|||  
R|42|^GI PANEL^^INV^^^Shigella EIEC^Ct|^22.3|||  
R|43|^GI PANEL^^INV^^^Shigella EIEC^EndPt|^329.0|||  
R|44|^GI PANEL^^INV^^^Cryptosporidium^|POS^|||  
R|45|^GI PANEL^^INV^^^Cryptosporidium^Ct|^23.9|||  
R|46|^GI PANEL^^INV^^^Cryptosporidium^EndPt|^364.0|||

R|47|^GI PANEL^^INV^^Giardia^|NEG^|||  
R|48|^GI PANEL^^INV^^Giardia^Ct|^0.0|||  
R|49|^GI PANEL^^INV^^Giardia^EndPt|^2.0|||  
R|50|^GI PANEL^^INV^^Norovirus^|POS^|||  
R|51|^GI PANEL^^INV^^Norovirus^Ct|^29.4|||  
R|52|^GI PANEL^^INV^^Norovirus^EndPt|^162.0|||  
R|53|^GI PANEL^^INV^^SPC Melt^Tm|^71.6|||  
R|54|^GI PANEL^^INV^^SPC Melt^PkJgt|^10.1|||  
R|55|^GI PANEL^^INV^^Campylobacter^Tm|^60.5|||  
R|56|^GI PANEL^^INV^^Campylobacter^PkJgt|^25.3|||  
R|57|^GI PANEL^^INV^^Yersinia^Tm|^61.6|||  
R|58|^GI PANEL^^INV^^Yersinia^PkJgt|^19.7|||  
L|1|N

**\*Different combinations of coinfections are possible with more than one target being POSITIVE**

### ALL TARGETS POSITIVE

H|@^|\GXM-65527766404||GeneXpert PC^GeneXpert^6.6.0||||LIS||P|1394-97|20260324132057  
P|1|||  
O|1|Xpert GI\_CEIVD2#Positive2|^GI PANEL|R|20260323035600|||||ORH|||||F  
R|1|^GI PANEL^^CAMP^Xpert GI Panel CE-IVD^2^Campylobacter^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^  
R|2|^GI PANEL^^CAMP^^Campylobacter^Tm|^60.6|||  
R|3|^GI PANEL^^CAMP^^Campylobacter^PkJgt|^21.7|||  
R|4|^GI PANEL^^SALMONELLA^Xpert GI Panel CE-IVD^2^Salmonella^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^  
R|5|^GI PANEL^^SALMONELLA^^Salmonella^|POS^|||  
R|6|^GI PANEL^^SALMONELLA^^Salmonella^Ct|^28.5|||  
R|7|^GI PANEL^^SALMONELLA^^Salmonella^EndPt|^234.0|||  
R|8|^GI PANEL^^STX1^Xpert GI Panel CE-IVD^2^STEC stx1^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^  
R|9|^GI PANEL^^STX1^^STEC stx1^Tm|^74.8|||  
R|10|^GI PANEL^^STX1^^STEC stx1^PkJgt|^49.4|||  
R|11|^GI PANEL^^STX2^Xpert GI Panel CE-IVD^2^STEC stx2^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^  
R|12|^GI PANEL^^STX2^^STEC stx2^Tm|^76.9|||  
R|13|^GI PANEL^^STX2^^STEC stx2^PkJgt|^26.1|||  
R|14|^GI PANEL^^EIEC^Xpert GI Panel CE-IVD^2^Shigella EIEC^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^  
R|15|^GI PANEL^^EIEC^^Shigella EIEC^|POS^|||

- R|16|^GI PANEL^^EIEC^^^Shigella EIEC^Ct|^25.6|||
- R|17|^GI PANEL^^EIEC^^^Shigella EIEC^EndPt|^284.0|||
- R|18|^GI PANEL^^VCHOL^Xpert GI Panel CE-IVD^2^V. cholerae^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^
- R|19|^GI PANEL^^VCHOL^^^V. cholerae^Tm|^60.9|||
- R|20|^GI PANEL^^VCHOL^^^V. cholerae^PkHgt|^17.7|||
- R|21|^GI PANEL^^VPARA^Xpert GI Panel CE-IVD^2^V. parahaemolyticus^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^
- R|22|^GI PANEL^^VPARA^^^V. parahaemolyticus^Tm|^66.5|||
- R|23|^GI PANEL^^VPARA^^^V. parahaemolyticus^PkHgt|^25.0|||
- R|24|^GI PANEL^^YERSINIA^Xpert GI Panel CE-IVD^2^Yersinia^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^
- R|25|^GI PANEL^^YERSINIA^^^Yersinia^Tm|^61.7|||
- R|26|^GI PANEL^^YERSINIA^^^Yersinia^PkHgt|^15.7|||
- R|27|^GI PANEL^^CRYPTO^Xpert GI Panel CE-IVD^2^Cryptosporidium^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^
- R|28|^GI PANEL^^CRYPTO^^^Cryptosporidium^|POS^|||
- R|29|^GI PANEL^^CRYPTO^^^Cryptosporidium^Ct|^17.1|||
- R|30|^GI PANEL^^CRYPTO^^^Cryptosporidium^EndPt|^333.0|||
- R|31|^GI PANEL^^GIARDIA^Xpert GI Panel CE-IVD^2^Giardia^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^
- R|32|^GI PANEL^^GIARDIA^^^Giardia^|POS^|||
- R|33|^GI PANEL^^GIARDIA^^^Giardia^Ct|^21.0|||
- R|34|^GI PANEL^^GIARDIA^^^Giardia^EndPt|^322.0|||
- R|35|^GI PANEL^^NORO^Xpert GI Panel CE-IVD^2^Norovirus^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^
- R|36|^GI PANEL^^NORO^^^Norovirus^|POS^|||
- R|37|^GI PANEL^^NORO^^^Norovirus^Ct|^20.7|||
- R|38|^GI PANEL^^NORO^^^Norovirus^EndPt|^322.0|||
- R|39|^GI PANEL^^INV^Xpert GI Panel CE-IVD^2^INVALID^|POSITIVE^||||F||support|20260323035600|20260323051340|DESKTOP-111043F^745495^210081369^0^10201^
- R|40|^GI PANEL^^INV^^^SPC^|POS^|||
- R|41|^GI PANEL^^INV^^^SPC^Ct|^34.1|||
- R|42|^GI PANEL^^INV^^^SPC^EndPt|^129.0|||
- R|43|^GI PANEL^^INV^^^IC^|POS^|||
- R|44|^GI PANEL^^INV^^^IC^Ct|^31.4|||
- R|45|^GI PANEL^^INV^^^IC^EndPt|^232.0|||
- R|46|^GI PANEL^^INV^^^Salmonella^|POS^|||
- R|47|^GI PANEL^^INV^^^Salmonella^Ct|^28.5|||
- R|48|^GI PANEL^^INV^^^Salmonella^EndPt|^234.0|||
- R|49|^GI PANEL^^INV^^^Shigella EIEC^|POS^|||
- R|50|^GI PANEL^^INV^^^Shigella EIEC^Ct|^25.6|||
- R|51|^GI PANEL^^INV^^^Shigella EIEC^EndPt|^284.0|||

R|52|^GI PANEL^^INV^^Cryptosporidium^|POS^|||  
R|53|^GI PANEL^^INV^^Cryptosporidium^Ct|^17.1|||  
R|54|^GI PANEL^^INV^^Cryptosporidium^EndPt|^333.0|||  
R|55|^GI PANEL^^INV^^Giardia^|POS^|||  
R|56|^GI PANEL^^INV^^Giardia^Ct|^21.0|||  
R|57|^GI PANEL^^INV^^Giardia^EndPt|^322.0|||  
R|58|^GI PANEL^^INV^^Norovirus^|POS^|||  
R|59|^GI PANEL^^INV^^Norovirus^Ct|^20.7|||  
R|60|^GI PANEL^^INV^^Norovirus^EndPt|^322.0|||  
R|61|^GI PANEL^^INV^^SPC Melt^Tm|^71.7|||  
R|62|^GI PANEL^^INV^^SPC Melt^PkHgt|^10.5|||  
R|63|^GI PANEL^^INV^^Campylobacter^Tm|^60.6|||  
R|64|^GI PANEL^^INV^^Campylobacter^PkHgt|^21.7|||  
R|65|^GI PANEL^^INV^^STEC stx1^Tm|^74.8|||  
R|66|^GI PANEL^^INV^^STEC stx1^PkHgt|^49.4|||  
R|67|^GI PANEL^^INV^^STEC stx2^Tm|^76.9|||  
R|68|^GI PANEL^^INV^^STEC stx2^PkHgt|^26.1|||  
R|69|^GI PANEL^^INV^^V. cholerae^Tm|^60.9|||  
R|70|^GI PANEL^^INV^^V. cholerae^PkHgt|^17.7|||  
R|71|^GI PANEL^^INV^^V. parahaemolyticus^Tm|^66.5|||  
R|72|^GI PANEL^^INV^^V. parahaemolyticus^PkHgt|^25.0|||  
R|73|^GI PANEL^^INV^^Yersinia^Tm|^61.7|||  
R|74|^GI PANEL^^INV^^Yersinia^PkHgt|^15.7|||  
L|1|N

**ALL TARGETS NEGATIVE**

H|@^|\GXM-33181607216||GeneXpert PC^GeneXpert^6.6.0||||LIS||P|1394-97|20260324132107  
P|1||||  
O|1|Xpert GI\_CEIVD2#Negative||^GI PANEL|R|20260323023335||||||ORH|||||||F  
R|1|^GI PANEL^^CAMP^Xpert GI Panel CE-IVD^2^Campylobacter^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|2|^GI PANEL^^SALMONELLA^Xpert GI Panel CE-IVD^2^Salmonella^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|3|^GI PANEL^^SALMONELLA^^Salmonella^|NEG^|||  
R|4|^GI PANEL^^SALMONELLA^^Salmonella^Ct|^0.0|||  
R|5|^GI PANEL^^SALMONELLA^^Salmonella^EndPt|^3.0|||  
R|6|^GI PANEL^^STX1^Xpert GI Panel CE-IVD^2^STEC stx1^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|7|^GI PANEL^^STX2^Xpert GI Panel CE-IVD^2^STEC stx2^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|8|^GI PANEL^^EIEC^Xpert GI Panel CE-IVD^2^Shigella EIEC^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-

111O43F^709862^887365^0^10201^  
R|9|^GI PANEL^^EIEC^^^Shigella EIEC^|NEG^|||  
R|10|^GI PANEL^^EIEC^^^Shigella EIEC^Ct|^0.0|||  
R|11|^GI PANEL^^EIEC^^^Shigella EIEC^EndPt|^-1.0|||  
R|12|^GI PANEL^^VCHOL^Xpert GI Panel CE-IVD^2^V. cholerae^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|13|^GI PANEL^^VPARA^Xpert GI Panel CE-IVD^2^V. parahaemolyticus^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|14|^GI PANEL^^YERSINIA^Xpert GI Panel CE-IVD^2^Yersinia^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|15|^GI PANEL^^CRYPTO^Xpert GI Panel CE-IVD^2^Cryptosporidium^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|16|^GI PANEL^^CRYPTO^^^Cryptosporidium^|NEG^|||  
R|17|^GI PANEL^^CRYPTO^^^Cryptosporidium^Ct|^0.0|||  
R|18|^GI PANEL^^CRYPTO^^^Cryptosporidium^EndPt|^6.0|||  
R|19|^GI PANEL^^GIARDIA^Xpert GI Panel CE-IVD^2^Giardia^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|20|^GI PANEL^^GIARDIA^^^Giardia^|NEG^|||  
R|21|^GI PANEL^^GIARDIA^^^Giardia^Ct|^0.0|||  
R|22|^GI PANEL^^GIARDIA^^^Giardia^EndPt|^2.0|||  
R|23|^GI PANEL^^NORO^Xpert GI Panel CE-IVD^2^Norovirus^|NEGATIVE^||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|24|^GI PANEL^^NORO^^^Norovirus^|NEG^|||  
R|25|^GI PANEL^^NORO^^^Norovirus^Ct|^0.0|||  
R|26|^GI PANEL^^NORO^^^Norovirus^EndPt|^7.0|||  
R|27|^GI PANEL^^INV^Xpert GI Panel CE-IVD^2^INVALID^|F||||F||support|20260323023335|20260323035134|DESKTOP-111O43F^709862^887365^0^10201^  
R|28|^GI PANEL^^INV^^^SPC^|POS^|||  
R|29|^GI PANEL^^INV^^^SPC^Ct|^31.9|||  
R|30|^GI PANEL^^INV^^^SPC^EndPt|^161.0|||  
R|31|^GI PANEL^^INV^^^IC^|POS^|||  
R|32|^GI PANEL^^INV^^^IC^Ct|^29.4|||  
R|33|^GI PANEL^^INV^^^IC^EndPt|^276.0|||  
R|34|^GI PANEL^^INV^^^Salmonella^|NEG^|||  
R|35|^GI PANEL^^INV^^^Salmonella^Ct|^0.0|||  
R|36|^GI PANEL^^INV^^^Salmonella^EndPt|^3.0|||  
R|37|^GI PANEL^^INV^^^Shigella EIEC^|NEG^|||  
R|38|^GI PANEL^^INV^^^Shigella EIEC^Ct|^0.0|||  
R|39|^GI PANEL^^INV^^^Shigella EIEC^EndPt|^-1.0|||  
R|40|^GI PANEL^^INV^^^Cryptosporidium^|NEG^|||  
R|41|^GI PANEL^^INV^^^Cryptosporidium^Ct|^0.0|||  
R|42|^GI PANEL^^INV^^^Cryptosporidium^EndPt|^6.0|||  
R|43|^GI PANEL^^INV^^^Giardia^|NEG^|||

R|44|^GI PANEL^^INV^^Giardia^Ct|^0.0||  
R|45|^GI PANEL^^INV^^Giardia^EndPt|^2.0||  
R|46|^GI PANEL^^INV^^Norovirus^|NEG^||  
R|47|^GI PANEL^^INV^^Norovirus^Ct|^0.0||  
R|48|^GI PANEL^^INV^^Norovirus^EndPt|^7.0||  
R|49|^GI PANEL^^INV^^SPC Melt^Tm|^71.8||  
R|50|^GI PANEL^^INV^^SPC Melt^PkJgt|^11.8||  
L|1|N

**NO RESULT**

H|@^|\GXM-68270221031||GeneXpert PC^GeneXpert^6.6.0||||LIS|P|1394-97|20260324132106  
P|1||||  
O|1|Xpert GI\_CEIVD2#NoResults||^GI PANEL|R|20260323023443||||||ORH|||||||F  
R|1|^GI PANEL^^CAMP^Xpert GI Panel CE-IVD^2^Campylobacter^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|2|^GI PANEL^^SALMONELLA^Xpert GI Panel CE-IVD^2^Salmonella^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|3|^GI PANEL^^SALMONELLA^^Salmonella^|NO RESULT^||  
R|4|^GI PANEL^^SALMONELLA^^Salmonella^Ct|^0.0||  
R|5|^GI PANEL^^SALMONELLA^^Salmonella^EndPt|^0.0||  
R|6|^GI PANEL^^STX1^Xpert GI Panel CE-IVD^2^STEC stx1^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|7|^GI PANEL^^STX2^Xpert GI Panel CE-IVD^2^STEC stx2^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|8|^GI PANEL^^EIEC^Xpert GI Panel CE-IVD^2^Shigella EIEC^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|9|^GI PANEL^^EIEC^^Shigella EIEC^|NO RESULT^||  
R|10|^GI PANEL^^EIEC^^Shigella EIEC^Ct|^0.0||  
R|11|^GI PANEL^^EIEC^^Shigella EIEC^EndPt|^1.0||  
R|12|^GI PANEL^^VCHOL^Xpert GI Panel CE-IVD^2^V. cholerae^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|13|^GI PANEL^^VPARA^Xpert GI Panel CE-IVD^2^V. parahaemolyticus^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|14|^GI PANEL^^YERSINIA^Xpert GI Panel CE-IVD^2^Yersinia^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|15|^GI PANEL^^CRYPTO^Xpert GI Panel CE-IVD^2^Cryptosporidium^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|16|^GI PANEL^^CRYPTO^^Cryptosporidium^|NO RESULT^||  
R|17|^GI PANEL^^CRYPTO^^Cryptosporidium^Ct|^0.0||  
R|18|^GI PANEL^^CRYPTO^^Cryptosporidium^EndPt|^2.0||  
R|19|^GI PANEL^^GIARDIA^Xpert GI Panel CE-IVD^2^Giardia^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-

111O43F^745494^210078172^0^10201^  
R|20|^GI PANEL ^^GIARDIA^^^Giardia^|NO RESULT^|||  
R|21|^GI PANEL ^^GIARDIA^^^Giardia^Ct|^0.0|||  
R|22|^GI PANEL ^^GIARDIA^^^Giardia^EndPt|^1.0|||  
R|23|^GI PANEL ^^NORO^Xpert GI Panel CE-IVD^2^Norovirus^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|24|^GI PANEL ^^NORO^^^Norovirus^|NO RESULT^|||  
R|25|^GI PANEL ^^NORO^^^Norovirus^Ct|^0.0|||  
R|26|^GI PANEL ^^NORO^^^Norovirus^EndPt|^3.0|||  
R|27|^GI PANEL ^^INV^Xpert GI Panel CE-IVD^2^INVALID^|NO RESULT^||||F||support|20260323023443|20260323034051|DESKTOP-111O43F^745494^210078172^0^10201^  
R|28|^GI PANEL ^^INV^^^SPC^|NO RESULT^|||  
R|29|^GI PANEL ^^INV^^^SPC^Ct|^33.2|||  
R|30|^GI PANEL ^^INV^^^SPC^EndPt|^113.0|||  
R|31|^GI PANEL ^^INV^^^IC^|NO RESULT^|||  
R|32|^GI PANEL ^^INV^^^IC^Ct|^29.5|||  
R|33|^GI PANEL ^^INV^^^IC^EndPt|^255.0|||  
R|34|^GI PANEL ^^INV^^^Salmonella^|NO RESULT^|||  
R|35|^GI PANEL ^^INV^^^Salmonella^Ct|^0.0|||  
R|36|^GI PANEL ^^INV^^^Salmonella^EndPt|^0.0|||  
R|37|^GI PANEL ^^INV^^^Shigella EIEC^|NO RESULT^|||  
R|38|^GI PANEL ^^INV^^^Shigella EIEC^Ct|^0.0|||  
R|39|^GI PANEL ^^INV^^^Shigella EIEC^EndPt|^1.0|||  
R|40|^GI PANEL ^^INV^^^Cryptosporidium^|NO RESULT^|||  
R|41|^GI PANEL ^^INV^^^Cryptosporidium^Ct|^0.0|||  
R|42|^GI PANEL ^^INV^^^Cryptosporidium^EndPt|^2.0|||  
R|43|^GI PANEL ^^INV^^^Giardia^|NO RESULT^|||  
R|44|^GI PANEL ^^INV^^^Giardia^Ct|^0.0|||  
R|45|^GI PANEL ^^INV^^^Giardia^EndPt|^1.0|||  
R|46|^GI PANEL ^^INV^^^Norovirus^|NO RESULT^|||  
R|47|^GI PANEL ^^INV^^^Norovirus^Ct|^0.0|||  
R|48|^GI PANEL ^^INV^^^Norovirus^EndPt|^3.0|||  
L|1|N

**ERROR**

H|@^|\GXM-84106485023||GeneXpert PC^GeneXpert^6.6.0||||LIS||P|1394-97|20260324132101  
P|1|||  
O|1|Xpert GI\_CEIVD2#Error2|^GI PANEL|R|20260323024217||||||ORH|||||||F  
R|1|^GI PANEL ^^CAMP^Xpert GI Panel CE-IVD^2^Campylobacter^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^  
C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of

45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|2|^GI PANEL^^SALMONELLA^Xpert GI Panel CE-IVD^2^Salmonella^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^  
C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|3|^GI PANEL^^SALMONELLA^^Salmonella^|NO RESULT^|||  
R|4|^GI PANEL^^SALMONELLA^^Salmonella^Ct|^0.0|||  
R|5|^GI PANEL^^SALMONELLA^^Salmonella^EndPt|^0.0|||  
R|6|^GI PANEL^^STX1^Xpert GI Panel CE-IVD^2^STEC stx1^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^  
C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|7|^GI PANEL^^STX2^Xpert GI Panel CE-IVD^2^STEC stx2^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^  
C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|8|^GI PANEL^^EIEC^Xpert GI Panel CE-IVD^2^Shigella EIEC^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^  
C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|9|^GI PANEL^^EIEC^^Shigella EIEC^|NO RESULT^|||  
R|10|^GI PANEL^^EIEC^^Shigella EIEC^Ct|^0.0|||  
R|11|^GI PANEL^^EIEC^^Shigella EIEC^EndPt|^0.0|||  
R|12|^GI PANEL^^VCHOL^Xpert GI Panel CE-IVD^2^V. cholerae^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^  
C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|13|^GI PANEL^^VPARA^Xpert GI Panel CE-IVD^2^V. parahaemolyticus^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^  
C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N

C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|14|^GI PANEL^^YERSINIA^Xpert GI Panel CE-IVD^2^Yersinia^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^

C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|15|^GI PANEL^^CRYPTO^Xpert GI Panel CE-IVD^2^Cryptosporidium^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^

C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|16|^GI PANEL^^CRYPTO^^Cryptosporidium^|NO RESULT^|||  
R|17|^GI PANEL^^CRYPTO^^Cryptosporidium^Ct|^0.0|||  
R|18|^GI PANEL^^CRYPTO^^Cryptosporidium^EndPt|^0.0|||  
R|19|^GI PANEL^^GIARDIA^Xpert GI Panel CE-IVD^2^Giardia^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^

C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|20|^GI PANEL^^GIARDIA^^Giardia^|NO RESULT^|||  
R|21|^GI PANEL^^GIARDIA^^Giardia^Ct|^0.0|||  
R|22|^GI PANEL^^GIARDIA^^Giardia^EndPt|^0.0|||  
R|23|^GI PANEL^^NORO^Xpert GI Panel CE-IVD^2^Norovirus^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^

C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|24|^GI PANEL^^NORO^^Norovirus^|NO RESULT^|||  
R|25|^GI PANEL^^NORO^^Norovirus^Ct|^0.0|||  
R|26|^GI PANEL^^NORO^^Norovirus^EndPt|^0.0|||  
R|27|^GI PANEL^^INV^Xpert GI Panel CE-IVD^2^INVALID^|ERROR^||||F||support|20260323024217|20260323031205|DESKTOP-111O43F^745495^210015133^0^10201^

C|1||Error^5007^Post-run analysis error^Error 5007: [QC1] probe check failed. Probe check value of 6 for reading number 2 was below the minimum of 45^20260323031205|N  
C|2||Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of -1 for reading number 2 was below the valid level of 5^20260323031205|N  
R|28|^GI PANEL^^INV^^SPC^|NO RESULT^|||  
R|29|^GI PANEL^^INV^^SPC^Ct|^0.0|||

R|30|^GI PANEL^^INV^^SPC^EndPt|^0.0||  
R|31|^GI PANEL^^INV^^IC^|NO RESULT^||  
R|32|^GI PANEL^^INV^^IC^Ct|^0.0||  
R|33|^GI PANEL^^INV^^IC^EndPt|^0.0||  
R|34|^GI PANEL^^INV^^Salmonella^|NO RESULT^||  
R|35|^GI PANEL^^INV^^Salmonella^Ct|^0.0||  
R|36|^GI PANEL^^INV^^Salmonella^EndPt|^0.0||  
R|37|^GI PANEL^^INV^^Shigella EIEC^|NO RESULT^||  
R|38|^GI PANEL^^INV^^Shigella EIEC^Ct|^0.0||  
R|39|^GI PANEL^^INV^^Shigella EIEC^EndPt|^0.0||  
R|40|^GI PANEL^^INV^^Cryptosporidium^|NO RESULT^||  
R|41|^GI PANEL^^INV^^Cryptosporidium^Ct|^0.0||  
R|42|^GI PANEL^^INV^^Cryptosporidium^EndPt|^0.0||  
R|43|^GI PANEL^^INV^^Giardia^|NO RESULT^||  
R|44|^GI PANEL^^INV^^Giardia^Ct|^0.0||  
R|45|^GI PANEL^^INV^^Giardia^EndPt|^0.0||  
R|46|^GI PANEL^^INV^^Norovirus^|NO RESULT^||  
R|47|^GI PANEL^^INV^^Norovirus^Ct|^0.0||  
R|48|^GI PANEL^^INV^^Norovirus^EndPt|^0.0||  
L|1|N

**INVALID**

H|@^|\GXM-50454104332||GeneXpert PC^GeneXpert^6.6.0||||LIS||P|1394-97|20260324132059  
P|1||||  
O|1|Xpert GI\_CEIVD2#Invalid||^GI PANEL|R|20260323024520||||||ORH|||||||F  
R|1|^GI PANEL^^CAMP^Xpert GI Panel CE-IVD^2^Campylobacter^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^  
R|2|^GI PANEL^^SALMONELLA^Xpert GI Panel CE-IVD^2^Salmonella^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^  
R|3|^GI PANEL^^SALMONELLA^^Salmonella^|NEG^||  
R|4|^GI PANEL^^SALMONELLA^^Salmonella^Ct|^0.0||  
R|5|^GI PANEL^^SALMONELLA^^Salmonella^EndPt|^-1.0||  
R|6|^GI PANEL^^STX1^Xpert GI Panel CE-IVD^2^STEC stx1^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^  
R|7|^GI PANEL^^STX2^Xpert GI Panel CE-IVD^2^STEC stx2^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^  
R|8|^GI PANEL^^EIEC^Xpert GI Panel CE-IVD^2^Shigella EIEC^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^  
R|9|^GI PANEL^^EIEC^^Shigella EIEC^|NEG^||  
R|10|^GI PANEL^^EIEC^^Shigella EIEC^Ct|^0.0||  
R|11|^GI PANEL^^EIEC^^Shigella EIEC^EndPt|^-1.0||

R|12|^GI PANEL^^VCHOL^Xpert GI Panel CE-IVD^2^V. cholerae^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^

R|13|^GI PANEL^^VPARA^Xpert GI Panel CE-IVD^2^V. parahaemolyticus^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^

R|14|^GI PANEL^^YERSINIA^Xpert GI Panel CE-IVD^2^Yersinia^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^

R|15|^GI PANEL^^CRYPTO^Xpert GI Panel CE-IVD^2^Cryptosporidium^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^

R|16|^GI PANEL^^CRYPTO^^^Cryptosporidium^|NEG^|||

R|17|^GI PANEL^^CRYPTO^^^Cryptosporidium^Ct|^0.0|||

R|18|^GI PANEL^^CRYPTO^^^Cryptosporidium^EndPt|^1.0|||

R|19|^GI PANEL^^GIARDIA^Xpert GI Panel CE-IVD^2^Giardia^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^

R|20|^GI PANEL^^GIARDIA^^^Giardia^|NEG^|||

R|21|^GI PANEL^^GIARDIA^^^Giardia^Ct|^0.0|||

R|22|^GI PANEL^^GIARDIA^^^Giardia^EndPt|^0.0|||

R|23|^GI PANEL^^NORO^Xpert GI Panel CE-IVD^2^Norovirus^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^

R|24|^GI PANEL^^NORO^^^Norovirus^|NEG^|||

R|25|^GI PANEL^^NORO^^^Norovirus^Ct|^0.0|||

R|26|^GI PANEL^^NORO^^^Norovirus^EndPt|^4.0|||

R|27|^GI PANEL^^INV^Xpert GI Panel CE-IVD^2^INVALID^|INVALID^||||F||support|20260323024520|20260323040253|DESKTOP-111043F^745495^210082095^0^10201^

R|28|^GI PANEL^^INV^^^SPC^|NEG^|||

R|29|^GI PANEL^^INV^^^SPC^Ct|^43.1|||

R|30|^GI PANEL^^INV^^^SPC^EndPt|^104.0|||

R|31|^GI PANEL^^INV^^^IC^|NEG^|||

R|32|^GI PANEL^^INV^^^IC^Ct|^43.6|||

R|33|^GI PANEL^^INV^^^IC^EndPt|^173.0|||

R|34|^GI PANEL^^INV^^^Salmonella^|NEG^|||

R|35|^GI PANEL^^INV^^^Salmonella^Ct|^0.0|||

R|36|^GI PANEL^^INV^^^Salmonella^EndPt|^1.0|||

R|37|^GI PANEL^^INV^^^Shigella EIEC^|NEG^|||

R|38|^GI PANEL^^INV^^^Shigella EIEC^Ct|^0.0|||

R|39|^GI PANEL^^INV^^^Shigella EIEC^EndPt|^1.0|||

R|40|^GI PANEL^^INV^^^Cryptosporidium^|NEG^|||

R|41|^GI PANEL^^INV^^^Cryptosporidium^Ct|^0.0|||

R|42|^GI PANEL^^INV^^^Cryptosporidium^EndPt|^1.0|||

R|43|^GI PANEL^^INV^^^Giardia^|NEG^|||

R|44|^GI PANEL^^INV^^^Giardia^Ct|^0.0|||

R|45|^GI PANEL^^INV^^^Giardia^EndPt|^0.0|||

R|46|^GI PANEL^^INV^^^Norovirus^|NEG^|||

R|47|^GI PANEL^^INV^^^Norovirus^Ct|^0.0|||

```
R|48|^GI PANEL^^INV^^^Norovirus^EndPt|^4.0||  
R|49|^GI PANEL^^INV^^^SPC Melt^Tm|^72.7||  
R|50|^GI PANEL^^INV^^^SPC Melt^PkJgt|^5.5||  
L|1|N
```

## 2.2 HL7 Example Messages

### 2.2.1 HL7 Order Messages

#### **GX sent the order query with Sample ID “123”**

```
MSH|^~\&|GeneXpert PC^GeneXpert^6.6.0||LIS||20260330125636||QBP^Z03^QBP_Z03|GXM-42517182721|P|2.5  
QPD|Z03^HOST QUERY|GXM-42517182721||123|  
RCP||
```

#### **LIS sent the order to GX with test code “GI PANEL”**

```
MSH|^~\&|LIS||GeneXpert PC^GeneXpert^6.6.0||20260330125434||RSP^Z02|884f57dac18748fc805d94995f477275|P|2.5|||  
MSA|AA|GXM-42517182721|  
QAK|GXM-42517182721|OK|Z03^HOST QUERY  
QPD|Z03^HOST QUERY|GXM-42517182721||123|  
PID|1|||^^^U||U||  
PV1|1|||  
ORC|OC|1|||20260330124551  
OBR|1||GI PANEL|||A  
TQ1|||R  
SPM|1|123^|ORH|||P
```

### 2.2.2 HL7 Result Messages

#### **6 TARGETS POSITIVE, 5 TARGETS NEGATIVE (CO-INFECTION SCENARIO) \***

```
MSH|^~\&|System Name^GeneXpert^6.5||LIS||20251204095733||ORU^R32^ORU_R30|GXM-67356177675|P|2.5  
PID|1|||  
ORC|RE|1|||20250707015724  
OBR|1||GI PANEL|||F  
TQ1|||20250707015724|20250707031601|R  
OBX|1|ST|GI PANEL&CAMP&Xpert GI Panel CE-  
IVD&1|Campylobacter&|NEGATIVE^|||F|||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
OBX|2|ST|GI PANEL&SALMONELLA&Xpert GI Panel CE-  
IVD&1|Salmonella&|NEGATIVE^|||F|||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
OBX|3|ST|GI PANEL&SALMONELLA|Salmonella&|NEG^|
```

OBX|4|ST|GI PANEL&SALMONELLA|Salmonella&Ct|^0.0||  
 OBX|5|ST|GI PANEL&SALMONELLA|Salmonella&EndPt|^4.0||  
 OBX|6|ST|GI PANEL&STX1&Xpert GI Panel CE-IVD&1|STEC stx1&|NEGATIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|7|ST|GI PANEL&STX2&Xpert GI Panel CE-IVD&1|STEC stx2&|NEGATIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|8|ST|GI PANEL&EIEC&Xpert GI Panel CE-IVD&1|Shigella EIEC&|POSITIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|9|ST|GI PANEL&EIEC|Shigella EIEC&|POS^||  
 OBX|10|ST|GI PANEL&EIEC|Shigella EIEC&Ct|^27.6||  
 OBX|11|ST|GI PANEL&EIEC|Shigella EIEC&EndPt|^367.0||  
 OBX|12|ST|GI PANEL&VCHOL&Xpert GI Panel CE-IVD&1|V. cholerae&|POSITIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|13|ST|GI PANEL&VCHOL|V. cholerae&Tm|^61.3||  
 OBX|14|ST|GI PANEL&VCHOL|V. cholerae&PKHgt|^19.6||  
 OBX|15|ST|GI PANEL&VPARA&Xpert GI Panel CE-IVD&1|V. para  
 haemolyticus&|NEGATIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|16|ST|GI PANEL&YERSINIA&Xpert GI Panel CE-IVD&1|Yersinia&|NEGATIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|17|ST|GI PANEL&CRYPTO&Xpert GI Panel CE-IVD&1|Cryptosporidium&|NEGATIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|18|ST|GI PANEL&CRYPTO|Cryptosporidium&|NEG^||  
 OBX|19|ST|GI PANEL&CRYPTO|Cryptosporidium&Ct|^0.0||  
 OBX|20|ST|GI PANEL&CRYPTO|Cryptosporidium&EndPt|^11.0||  
 OBX|21|ST|GI PANEL&GIARDIA&Xpert GI Panel CE-IVD&1|Giardia&|POSITIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|22|ST|GI PANEL&GIARDIA|Giardia&|POS^||  
 OBX|23|ST|GI PANEL&GIARDIA|Giardia&Ct|^23.8||  
 OBX|24|ST|GI PANEL&GIARDIA|Giardia&EndPt|^551.0||  
 OBX|25|ST|GI PANEL&NORO&Xpert GI Panel CE-IVD&1|Norovirus&|POSITIVE^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|26|ST|GI PANEL&NORO|Norovirus&|POS^||  
 OBX|27|ST|GI PANEL&NORO|Norovirus&Ct|^29.2||  
 OBX|28|ST|GI PANEL&NORO|Norovirus&EndPt|^210.0||  
 OBX|29|ST|GI PANEL&INV&Xpert GI Panel CE-IVD&1|INVALID&|^||||F||||^<None>||~11651~0~210015287~723164~WinDev2006Eval  
 OBX|30|ST|GI PANEL&INV|SPC&|POS^||  
 OBX|31|ST|GI PANEL&INV|SPC&Ct|^30.0||  
 OBX|32|ST|GI PANEL&INV|SPC&EndPt|^183.0||  
 OBX|33|ST|GI PANEL&INV|IC&|POS^||  
 OBX|34|ST|GI PANEL&INV|IC&Ct|^29.1||  
 OBX|35|ST|GI PANEL&INV|IC&EndPt|^296.0||  
 OBX|36|ST|GI PANEL&INV|Salmonella&|NEG^||  
 OBX|37|ST|GI PANEL&INV|Salmonella&Ct|^0.0||  
 OBX|38|ST|GI PANEL&INV|Salmonella&EndPt|^4.0||  
 OBX|39|ST|GI PANEL&INV|Shigella EIEC&|POS^||  
 OBX|40|ST|GI PANEL&INV|Shigella EIEC&Ct|^27.6||  
 OBX|41|ST|GI PANEL&INV|Shigella EIEC&EndPt|^367.0||  
 OBX|42|ST|GI PANEL&INV|Cryptosporidium&|NEG^||  
 OBX|43|ST|GI PANEL&INV|Cryptosporidium&Ct|^0.0||  
 OBX|44|ST|GI PANEL&INV|Cryptosporidium&EndPt|^11.0||

OBX|45|ST|GI PANEL&INV|Giardia&|POS^||  
OBX|46|ST|GI PANEL&INV|Giardia&Ct|^23.8||  
OBX|47|ST|GI PANEL&INV|Giardia&EndPt|^551.0||  
OBX|48|ST|GI PANEL&INV|Norovirus&|POS^||  
OBX|49|ST|GI PANEL&INV|Norovirus&Ct|^29.2||  
OBX|50|ST|GI PANEL&INV|Norovirus&EndPt|^210.0||  
OBX|51|ST|GI PANEL&INV|SPC Melt&Tm|^71.9||  
OBX|52|ST|GI PANEL&INV|SPC Melt&PkHgt|^13.0||  
OBX|53|ST|GI PANEL&INV|V. cholerae&Tm|^61.3||  
OBX|54|ST|GI PANEL&INV|V. cholerae&PkHgt|^19.6||  
SPM|1|LIS\_CE\_IVD\_Co\_infection^||ORH|||||P

***\*Different combinations of coinfections are possible with more than one target being POSITIVE***

**ALL TARGETS POSITIVE**

MSH|^~&|GeneXpert PC^GeneXpert^6.6.0||LIS||20260324131620||ORU^R32^ORU\_R30|GXM-07417575642|P|2.5  
PID|1|||||||  
ORC|RE|1|||||20260323035600  
OBR|1||GI PANEL|||||||||||||F  
TQ1|||||20260323035600|20260323051340|R  
OBX|1|ST|GI PANEL&CAMP&Xpert GI Panel CE-IVD&2|Campylobacter&|POSITIVE^|||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
OBX|2|ST|GI PANEL&CAMP|Campylobacter&Tm|^60.6||  
OBX|3|ST|GI PANEL&CAMP|Campylobacter&PkHgt|^21.7||  
OBX|4|ST|GI PANEL&SALMONELLA&Xpert GI Panel CE-IVD&2|Salmonella&|POSITIVE^|||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
OBX|5|ST|GI PANEL&SALMONELLA|Salmonella&|POS^||  
OBX|6|ST|GI PANEL&SALMONELLA|Salmonella&Ct|^28.5||  
OBX|7|ST|GI PANEL&SALMONELLA|Salmonella&EndPt|^234.0||  
OBX|8|ST|GI PANEL&STX1&Xpert GI Panel CE-IVD&2|STEC stx1&|POSITIVE^|||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
OBX|9|ST|GI PANEL&STX1|STEC stx1&Tm|^74.8||  
OBX|10|ST|GI PANEL&STX1|STEC stx1&PkHgt|^49.4||  
OBX|11|ST|GI PANEL&STX2&Xpert GI Panel CE-IVD&2|STEC stx2&|POSITIVE^|||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
OBX|12|ST|GI PANEL&STX2|STEC stx2&Tm|^76.9||  
OBX|13|ST|GI PANEL&STX2|STEC stx2&PkHgt|^26.1||  
OBX|14|ST|GI PANEL&EIEC&Xpert GI Panel CE-IVD&2|Shigella EIEC&|POSITIVE^|||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
OBX|15|ST|GI PANEL&EIEC|Shigella EIEC&|POS^||  
OBX|16|ST|GI PANEL&EIEC|Shigella EIEC&Ct|^25.6||  
OBX|17|ST|GI PANEL&EIEC|Shigella EIEC&EndPt|^284.0||  
OBX|18|ST|GI PANEL&VCHOL&Xpert GI Panel CE-IVD&2|V. cholerae&|POSITIVE^|||||F||||^support||~10201~0~210081369~745495~DESKTOP-

111O43F  
 OBX|19|ST|GI PANEL&VCHOL|V. cholerae&Tm|^60.9||  
 OBX|20|ST|GI PANEL&VCHOL|V. cholerae&PkJgt|^17.7||  
 OBX|21|ST|GI PANEL&VPARA&Xpert GI Panel CE-IVD&2|V. parahaemolyticus&|POSITIVE^||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
 OBX|22|ST|GI PANEL&VPARA|V. parahaemolyticus&Tm|^66.5||  
 OBX|23|ST|GI PANEL&VPARA|V. parahaemolyticus&PkJgt|^25.0||  
 OBX|24|ST|GI PANEL&YERSINIA&Xpert GI Panel CE-IVD&2|Yersinia&|POSITIVE^||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
 OBX|25|ST|GI PANEL&YERSINIA|Yersinia&Tm|^61.7||  
 OBX|26|ST|GI PANEL&YERSINIA|Yersinia&PkJgt|^15.7||  
 OBX|27|ST|GI PANEL&CRYPTO&Xpert GI Panel CE-IVD&2|Cryptosporidium&|POSITIVE^||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
 OBX|28|ST|GI PANEL&CRYPTO|Cryptosporidium&|POS^||  
 OBX|29|ST|GI PANEL&CRYPTO|Cryptosporidium&Ct|^17.1||  
 OBX|30|ST|GI PANEL&CRYPTO|Cryptosporidium&EndPt|^333.0||  
 OBX|31|ST|GI PANEL&GIARDIA&Xpert GI Panel CE-IVD&2|Giardia&|POSITIVE^||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
 OBX|32|ST|GI PANEL&GIARDIA|Giardia&|POS^||  
 OBX|33|ST|GI PANEL&GIARDIA|Giardia&Ct|^21.0||  
 OBX|34|ST|GI PANEL&GIARDIA|Giardia&EndPt|^322.0||  
 OBX|35|ST|GI PANEL&NORO&Xpert GI Panel CE-IVD&2|Norovirus&|POSITIVE^||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
 OBX|36|ST|GI PANEL&NORO|Norovirus&|POS^||  
 OBX|37|ST|GI PANEL&NORO|Norovirus&Ct|^20.7||  
 OBX|38|ST|GI PANEL&NORO|Norovirus&EndPt|^322.0||  
 OBX|39|ST|GI PANEL&INV&Xpert GI Panel CE-IVD&2|INVALID&|^||||F||||^support||~10201~0~210081369~745495~DESKTOP-111O43F  
 OBX|40|ST|GI PANEL&INV|SPC&|POS^||  
 OBX|41|ST|GI PANEL&INV|SPC&Ct|^34.1||  
 OBX|42|ST|GI PANEL&INV|SPC&EndPt|^129.0||  
 OBX|43|ST|GI PANEL&INV|IC&|POS^||  
 OBX|44|ST|GI PANEL&INV|IC&Ct|^31.4||  
 OBX|45|ST|GI PANEL&INV|IC&EndPt|^232.0||  
 OBX|46|ST|GI PANEL&INV|Salmonella&|POS^||  
 OBX|47|ST|GI PANEL&INV|Salmonella&Ct|^28.5||  
 OBX|48|ST|GI PANEL&INV|Salmonella&EndPt|^234.0||  
 OBX|49|ST|GI PANEL&INV|Shigella EIEC&|POS^||  
 OBX|50|ST|GI PANEL&INV|Shigella EIEC&Ct|^25.6||  
 OBX|51|ST|GI PANEL&INV|Shigella EIEC&EndPt|^284.0||  
 OBX|52|ST|GI PANEL&INV|Cryptosporidium&|POS^||  
 OBX|53|ST|GI PANEL&INV|Cryptosporidium&Ct|^17.1||  
 OBX|54|ST|GI PANEL&INV|Cryptosporidium&EndPt|^333.0||  
 OBX|55|ST|GI PANEL&INV|Giardia&|POS^||  
 OBX|56|ST|GI PANEL&INV|Giardia&Ct|^21.0||  
 OBX|57|ST|GI PANEL&INV|Giardia&EndPt|^322.0||

OBX|58|ST|GI PANEL&INV|Norovirus&|POS^||  
OBX|59|ST|GI PANEL&INV|Norovirus&Ct|^20.7||  
OBX|60|ST|GI PANEL&INV|Norovirus&EndPt|^322.0||  
OBX|61|ST|GI PANEL&INV|SPC Melt&Tm|^71.7||  
OBX|62|ST|GI PANEL&INV|SPC Melt&PkJgt|^10.5||  
OBX|63|ST|GI PANEL&INV|Campylobacter&Tm|^60.6||  
OBX|64|ST|GI PANEL&INV|Campylobacter&PkJgt|^21.7||  
OBX|65|ST|GI PANEL&INV|STEC stx1&Tm|^74.8||  
OBX|66|ST|GI PANEL&INV|STEC stx1&PkJgt|^49.4||  
OBX|67|ST|GI PANEL&INV|STEC stx2&Tm|^76.9||  
OBX|68|ST|GI PANEL&INV|STEC stx2&PkJgt|^26.1||  
OBX|69|ST|GI PANEL&INV|V. cholerae&Tm|^60.9||  
OBX|70|ST|GI PANEL&INV|V. cholerae&PkJgt|^17.7||  
OBX|71|ST|GI PANEL&INV|V. parahaemolyticus&Tm|^66.5||  
OBX|72|ST|GI PANEL&INV|V. parahaemolyticus&PkJgt|^25.0||  
OBX|73|ST|GI PANEL&INV|Yersinia&Tm|^61.7||  
OBX|74|ST|GI PANEL&INV|Yersinia&PkJgt|^15.7||  
SPM|1|Xpert GI\_CEIVD2#Positive2^||ORH|||||P

**ALL TARGETS NEGATIVE**

MSH|^~&|GeneXpert PC^GeneXpert^6.6.0||LIS||20260324131754||ORU^R32^ORU\_R30|GXM-38363178518|P|2.5  
PID|1|||||||  
ORC|RE|1|||||20260323023335  
OBR|1||GI PANEL|||||||F  
TQ1|||||20260323023335|20260323035134|R  
OBX|1|ST|GI PANEL&CAMP&Xpert GI Panel CE-IVD&2|Campylobacter&|NEGATIVE^|||||F||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|2|ST|GI PANEL&SALMONELLA&Xpert GI Panel CE-IVD&2|Salmonella&|NEGATIVE^|||||F||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|3|ST|GI PANEL&SALMONELLA|Salmonella&|NEG^||  
OBX|4|ST|GI PANEL&SALMONELLA|Salmonella&Ct|^0.0||  
OBX|5|ST|GI PANEL&SALMONELLA|Salmonella&EndPt|^3.0||  
OBX|6|ST|GI PANEL&STX1&Xpert GI Panel CE-IVD&2|STEC stx1&|NEGATIVE^|||||F||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|7|ST|GI PANEL&STX2&Xpert GI Panel CE-IVD&2|STEC stx2&|NEGATIVE^|||||F||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|8|ST|GI PANEL&EIEC&Xpert GI Panel CE-IVD&2|Shigella EIEC&|NEGATIVE^|||||F||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|9|ST|GI PANEL&EIEC|Shigella EIEC&|NEG^||  
OBX|10|ST|GI PANEL&EIEC|Shigella EIEC&Ct|^0.0||  
OBX|11|ST|GI PANEL&EIEC|Shigella EIEC&EndPt|^-1.0||  
OBX|12|ST|GI PANEL&VCHOL&Xpert GI Panel CE-IVD&2|V. cholerae&|NEGATIVE^|||||F||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|13|ST|GI PANEL&VPARA&Xpert GI Panel CE-IVD&2|V. parahaemolyticus&|NEGATIVE^|||||F||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|14|ST|GI PANEL&YERSINIA&Xpert GI Panel CE-IVD&2|Yersinia&|NEGATIVE^|||||F||||^support||~10201~0~887365~709862~DESKTOP-111043F

OBX|15|ST|GI PANEL&CRYPTO&Xpert GI Panel CE-IVD&2|Cryptosporidium&|NEGATIVE^|||||F|||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|16|ST|GI PANEL&CRYPTO|Cryptosporidium&|NEG^||  
OBX|17|ST|GI PANEL&CRYPTO|Cryptosporidium&Ct|^0.0||  
OBX|18|ST|GI PANEL&CRYPTO|Cryptosporidium&EndPt|^6.0||  
OBX|19|ST|GI PANEL&GIARDIA&Xpert GI Panel CE-IVD&2|Giardia&|NEGATIVE^|||||F|||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|20|ST|GI PANEL&GIARDIA|Giardia&|NEG^||  
OBX|21|ST|GI PANEL&GIARDIA|Giardia&Ct|^0.0||  
OBX|22|ST|GI PANEL&GIARDIA|Giardia&EndPt|^2.0||  
OBX|23|ST|GI PANEL&NORO&Xpert GI Panel CE-IVD&2|Norovirus&|NEGATIVE^|||||F|||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|24|ST|GI PANEL&NORO|Norovirus&|NEG^||  
OBX|25|ST|GI PANEL&NORO|Norovirus&Ct|^0.0||  
OBX|26|ST|GI PANEL&NORO|Norovirus&EndPt|^7.0||  
OBX|27|ST|GI PANEL&INV&Xpert GI Panel CE-IVD&2|INVALID&|^|||||F|||||^support||~10201~0~887365~709862~DESKTOP-111043F  
OBX|28|ST|GI PANEL&INV|SPC&|POS^||  
OBX|29|ST|GI PANEL&INV|SPC&Ct|^31.9||  
OBX|30|ST|GI PANEL&INV|SPC&EndPt|^161.0||  
OBX|31|ST|GI PANEL&INV|IC&|POS^||  
OBX|32|ST|GI PANEL&INV|IC&Ct|^29.4||  
OBX|33|ST|GI PANEL&INV|IC&EndPt|^276.0||  
OBX|34|ST|GI PANEL&INV|Salmonella&|NEG^||  
OBX|35|ST|GI PANEL&INV|Salmonella&Ct|^0.0||  
OBX|36|ST|GI PANEL&INV|Salmonella&EndPt|^3.0||  
OBX|37|ST|GI PANEL&INV|Shigella EIEC&|NEG^||  
OBX|38|ST|GI PANEL&INV|Shigella EIEC&Ct|^0.0||  
OBX|39|ST|GI PANEL&INV|Shigella EIEC&EndPt|^-1.0||  
OBX|40|ST|GI PANEL&INV|Cryptosporidium&|NEG^||  
OBX|41|ST|GI PANEL&INV|Cryptosporidium&Ct|^0.0||  
OBX|42|ST|GI PANEL&INV|Cryptosporidium&EndPt|^6.0||  
OBX|43|ST|GI PANEL&INV|Giardia&|NEG^||  
OBX|44|ST|GI PANEL&INV|Giardia&Ct|^0.0||  
OBX|45|ST|GI PANEL&INV|Giardia&EndPt|^2.0||  
OBX|46|ST|GI PANEL&INV|Norovirus&|NEG^||  
OBX|47|ST|GI PANEL&INV|Norovirus&Ct|^0.0||  
OBX|48|ST|GI PANEL&INV|Norovirus&EndPt|^7.0||  
OBX|49|ST|GI PANEL&INV|SPC Melt&Tm|^71.8||  
OBX|50|ST|GI PANEL&INV|SPC Melt&PkHgt|^11.8||  
SPM|1|Xpert GI\_CEIVD2#Negative^||ORH|||||P

**NO RESULT**

MSH|^~\&|System Name^GeneXpert^6.5||LIS||20251204095734||ORU^R32^ORU\_R30|GXM-11372642162|P|2.5  
PID|1|||||

ORC|RE|1|||||20250707015701  
OBR|1||GI PANEL|||||||F  
TQ1|||||20250707015701|20250707015832|R  
OBX|1|ST|GI PANEL&CAMP&Xpert GI Panel CE-IVD&1|Campylobacter&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|2|ST|GI PANEL&SALMONELLA&Xpert GI Panel CE-IVD&1|Salmonella&|NO  
RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|3|ST|GI PANEL&SALMONELLA|Salmonella&|NO RESULT^||  
OBX|4|ST|GI PANEL&SALMONELLA|Salmonella&Ct|^0.0||  
OBX|5|ST|GI PANEL&SALMONELLA|Salmonella&EndPt|^0.0||  
OBX|6|ST|GI PANEL&STX1&Xpert GI Panel CE-IVD&1|STEC stx1&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|7|ST|GI PANEL&STX2&Xpert GI Panel CE-IVD&1|STEC stx2&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|8|ST|GI PANEL&EIEC&Xpert GI Panel CE-IVD&1|Shigella EIEC&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|9|ST|GI PANEL&EIEC|Shigella EIEC&|NO RESULT^||  
OBX|10|ST|GI PANEL&EIEC|Shigella EIEC&Ct|^0.0||  
OBX|11|ST|GI PANEL&EIEC|Shigella EIEC&EndPt|^0.0||  
OBX|12|ST|GI PANEL&VCHOL&Xpert GI Panel CE-IVD&1|V. cholerae&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|13|ST|GI PANEL&VPARA&Xpert GI Panel CE-IVD&1|V. parahaemolyticus&|NO  
RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|14|ST|GI PANEL&YERSINIA&Xpert GI Panel CE-IVD&1|Yersinia&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|15|ST|GI PANEL&CRYPTO&Xpert GI Panel CE-IVD&1|Cryptosporidium&|NO  
RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|16|ST|GI PANEL&CRYPTO|Cryptosporidium&|NO RESULT^||  
OBX|17|ST|GI PANEL&CRYPTO|Cryptosporidium&Ct|^0.0||  
OBX|18|ST|GI PANEL&CRYPTO|Cryptosporidium&EndPt|^0.0||  
OBX|19|ST|GI PANEL&GIARDIA&Xpert GI Panel CE-IVD&1|Giardia&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|20|ST|GI PANEL&GIARDIA|Giardia&|NO RESULT^||  
OBX|21|ST|GI PANEL&GIARDIA|Giardia&Ct|^0.0||  
OBX|22|ST|GI PANEL&GIARDIA|Giardia&EndPt|^0.0||  
OBX|23|ST|GI PANEL&NORO&Xpert GI Panel CE-IVD&1|Norovirus&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|24|ST|GI PANEL&NORO|Norovirus&|NO RESULT^||  
OBX|25|ST|GI PANEL&NORO|Norovirus&Ct|^0.0||  
OBX|26|ST|GI PANEL&NORO|Norovirus&EndPt|^0.0||  
OBX|27|ST|GI PANEL&INV&Xpert GI Panel CE-IVD&1|INVALID&|NO RESULT^|||||F||||^<None>||~11651~0~912927~723164~WinDev2006Eval  
OBX|28|ST|GI PANEL&INV|SPC&|NO RESULT^||  
OBX|29|ST|GI PANEL&INV|SPC&Ct|^0.0||  
OBX|30|ST|GI PANEL&INV|SPC&EndPt|^0.0||  
OBX|31|ST|GI PANEL&INV|IC&|NO RESULT^||  
OBX|32|ST|GI PANEL&INV|IC&Ct|^0.0||  
OBX|33|ST|GI PANEL&INV|IC&EndPt|^0.0||  
OBX|34|ST|GI PANEL&INV|Salmonella&|NO RESULT^||  
OBX|35|ST|GI PANEL&INV|Salmonella&Ct|^0.0||  
OBX|36|ST|GI PANEL&INV|Salmonella&EndPt|^0.0||  
OBX|37|ST|GI PANEL&INV|Shigella EIEC&|NO RESULT^||

OBX|38|ST|GI PANEL&INV|Shigella EIEC&Ct|^0.0||  
OBX|39|ST|GI PANEL&INV|Shigella EIEC&EndPt|^0.0||  
OBX|40|ST|GI PANEL&INV|Cryptosporidium&|NO RESULT^||  
OBX|41|ST|GI PANEL&INV|Cryptosporidium&Ct|^0.0||  
OBX|42|ST|GI PANEL&INV|Cryptosporidium&EndPt|^0.0||  
OBX|43|ST|GI PANEL&INV|Giardia&|NO RESULT^||  
OBX|44|ST|GI PANEL&INV|Giardia&Ct|^0.0||  
OBX|45|ST|GI PANEL&INV|Giardia&EndPt|^0.0||  
OBX|46|ST|GI PANEL&INV|Norovirus&|NO RESULT^||  
OBX|47|ST|GI PANEL&INV|Norovirus&Ct|^0.0||  
OBX|48|ST|GI PANEL&INV|Norovirus&EndPt|^0.0||  
SPM|1|LIS\_CE IVD\_No result^||ORH|||||P

**ERROR**

MSH|^~&|GeneXpert PC^GeneXpert^6.6.0||LIS||20260324131655||ORU^R32^ORU\_R30|GXM-27470270876|P|2.5  
PID|1|||||||  
ORC|RE|1|||||20260323023722  
OBR|1||GI PANEL|||||||||||||F  
TQ1|||||20260323023722|20260323030711|R  
OBX|1|ST|GI PANEL&CAMP&Xpert GI Panel CE-IVD&2|Campylobacter&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|2|ST|GI PANEL&SALMONELLA&Xpert GI Panel CE-IVD&2|Salmonella&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|3|ST|GI PANEL&SALMONELLA|Salmonella&|NO RESULT^||  
OBX|4|ST|GI PANEL&SALMONELLA|Salmonella&Ct|^0.0||  
OBX|5|ST|GI PANEL&SALMONELLA|Salmonella&EndPt|^0.0||  
OBX|6|ST|GI PANEL&STX1&Xpert GI Panel CE-IVD&2|STEC stx1&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|7|ST|GI PANEL&STX2&Xpert GI Panel CE-IVD&2|STEC stx2&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level

of 5^20260323030711  
OBX|8|ST|GI PANEL&EIEC&Xpert GI Panel CE-IVD&2|Shigella EIEC&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|9|ST|GI PANEL&EIEC|Shigella EIEC&|NO RESULT^||  
OBX|10|ST|GI PANEL&EIEC|Shigella EIEC&Ct|^0.0||  
OBX|11|ST|GI PANEL&EIEC|Shigella EIEC&EndPt|^0.0||  
OBX|12|ST|GI PANEL&VCHOL&Xpert GI Panel CE-IVD&2|V. cholerae&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|13|ST|GI PANEL&VPARA&Xpert GI Panel CE-IVD&2|V. parahaemolyticus&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|14|ST|GI PANEL&YERSINIA&Xpert GI Panel CE-IVD&2|Yersinia&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|15|ST|GI PANEL&CRYPTO&Xpert GI Panel CE-IVD&2|Cryptosporidium&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|16|ST|GI PANEL&CRYPTO|Cryptosporidium&|NO RESULT^||  
OBX|17|ST|GI PANEL&CRYPTO|Cryptosporidium&Ct|^0.0||  
OBX|18|ST|GI PANEL&CRYPTO|Cryptosporidium&EndPt|^0.0||  
OBX|19|ST|GI PANEL&GIARDIA&Xpert GI Panel CE-IVD&2|Giardia&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|20|ST|GI PANEL&GIARDIA|Giardia&|NO RESULT^||  
OBX|21|ST|GI PANEL&GIARDIA|Giardia&Ct|^0.0||  
OBX|22|ST|GI PANEL&GIARDIA|Giardia&EndPt|^0.0||  
OBX|23|ST|GI PANEL&NORO&Xpert GI Panel CE-IVD&2|Norovirus&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F

NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|24|ST|GI PANEL&NORO|Norovirus&|NO RESULT^||  
OBX|25|ST|GI PANEL&NORO|Norovirus&Ct|^0.0||  
OBX|26|ST|GI PANEL&NORO|Norovirus&EndPt|^0.0||  
OBX|27|ST|GI PANEL&INV&Xpert GI Panel CE-IVD&2|INVALID&|ERROR^|||||F||||^support||~10201~0~907153~745494~DESKTOP-111O43F  
NTE|1|L|Error^5017^Post-run analysis error^Error 5017: [QC1] probe check failed. Probe check value of 1 for reading number 2 was below the valid level of 5^20260323030711  
NTE|2|L|Error^5017^Post-run analysis error^Error 5017: [QC2] probe check failed. Probe check value of 0 for reading number 2 was below the valid level of 5^20260323030711  
OBX|28|ST|GI PANEL&INV|SPC&|NO RESULT^||  
OBX|29|ST|GI PANEL&INV|SPC&Ct|^0.0||  
OBX|30|ST|GI PANEL&INV|SPC&EndPt|^0.0||  
OBX|31|ST|GI PANEL&INV|IC&|NO RESULT^||  
OBX|32|ST|GI PANEL&INV|IC&Ct|^0.0||  
OBX|33|ST|GI PANEL&INV|IC&EndPt|^0.0||  
OBX|34|ST|GI PANEL&INV|Salmonella&|NO RESULT^||  
OBX|35|ST|GI PANEL&INV|Salmonella&Ct|^0.0||  
OBX|36|ST|GI PANEL&INV|Salmonella&EndPt|^0.0||  
OBX|37|ST|GI PANEL&INV|Shigella EIEC&|NO RESULT^||  
OBX|38|ST|GI PANEL&INV|Shigella EIEC&Ct|^0.0||  
OBX|39|ST|GI PANEL&INV|Shigella EIEC&EndPt|^0.0||  
OBX|40|ST|GI PANEL&INV|Cryptosporidium&|NO RESULT^||  
OBX|41|ST|GI PANEL&INV|Cryptosporidium&Ct|^0.0||  
OBX|42|ST|GI PANEL&INV|Cryptosporidium&EndPt|^0.0||  
OBX|43|ST|GI PANEL&INV|Giardia&|NO RESULT^||  
OBX|44|ST|GI PANEL&INV|Giardia&Ct|^0.0||  
OBX|45|ST|GI PANEL&INV|Giardia&EndPt|^0.0||  
OBX|46|ST|GI PANEL&INV|Norovirus&|NO RESULT^||  
OBX|47|ST|GI PANEL&INV|Norovirus&Ct|^0.0||  
OBX|48|ST|GI PANEL&INV|Norovirus&EndPt|^0.0||  
SPM|1|Xpert GI\_CEIVD2#Error^||ORH|||||P

**INVALID**

MSH|^~\&|GeneXpert PC^GeneXpert^6.6.0||LIS||20260324131644||ORU^R32^ORU\_R30|GXM-53670354428|P|2.5  
PID|1|||||||  
ORC|RE|1||||||20260323024520  
OBR|1||GI PANEL|||||||||||||F  
TQ1||||||20260323024520|20260323040253|R  
OBX|1|ST|GI PANEL&CAMP&Xpert GI Panel CE-IVD&2|Campylobacter&|INVALID^|||||F||||^support||~10201~0~210082095~745495~DESKTOP-

111043F  
 OBX|2|ST|GI PANEL&SALMONELLA&Xpert GI Panel CE-IVD&2|Salmonella&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|3|ST|GI PANEL&SALMONELLA|Salmonella&|NEG^||  
 OBX|4|ST|GI PANEL&SALMONELLA|Salmonella&Ct|^0.0||  
 OBX|5|ST|GI PANEL&SALMONELLA|Salmonella&EndPt|^-1.0||  
 OBX|6|ST|GI PANEL&STX1&Xpert GI Panel CE-IVD&2|STEC stx1&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|7|ST|GI PANEL&STX2&Xpert GI Panel CE-IVD&2|STEC stx2&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|8|ST|GI PANEL&EIEC&Xpert GI Panel CE-IVD&2|Shigella EIEC&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|9|ST|GI PANEL&EIEC|Shigella EIEC&|NEG^||  
 OBX|10|ST|GI PANEL&EIEC|Shigella EIEC&Ct|^0.0||  
 OBX|11|ST|GI PANEL&EIEC|Shigella EIEC&EndPt|^-1.0||  
 OBX|12|ST|GI PANEL&VCHOL&Xpert GI Panel CE-IVD&2|V. cholerae&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|13|ST|GI PANEL&VPARA&Xpert GI Panel CE-IVD&2|V. parahaemolyticus&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|14|ST|GI PANEL&YERSINIA&Xpert GI Panel CE-IVD&2|Yersinia&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|15|ST|GI PANEL&CRYPTO&Xpert GI Panel CE-IVD&2|Cryptosporidium&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|16|ST|GI PANEL&CRYPTO|Cryptosporidium&|NEG^||  
 OBX|17|ST|GI PANEL&CRYPTO|Cryptosporidium&Ct|^0.0||  
 OBX|18|ST|GI PANEL&CRYPTO|Cryptosporidium&EndPt|^1.0||  
 OBX|19|ST|GI PANEL&GIARDIA&Xpert GI Panel CE-IVD&2|Giardia&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|20|ST|GI PANEL&GIARDIA|Giardia&|NEG^||  
 OBX|21|ST|GI PANEL&GIARDIA|Giardia&Ct|^0.0||  
 OBX|22|ST|GI PANEL&GIARDIA|Giardia&EndPt|^0.0||  
 OBX|23|ST|GI PANEL&NORO&Xpert GI Panel CE-IVD&2|Norovirus&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|24|ST|GI PANEL&NORO|Norovirus&|NEG^||  
 OBX|25|ST|GI PANEL&NORO|Norovirus&Ct|^0.0||  
 OBX|26|ST|GI PANEL&NORO|Norovirus&EndPt|^-4.0||  
 OBX|27|ST|GI PANEL&INV&Xpert GI Panel CE-IVD&2|INVALID&|INVALID^||||F||||^support||~10201~0~210082095~745495~DESKTOP-111043F  
 OBX|28|ST|GI PANEL&INV|SPC&|NEG^||  
 OBX|29|ST|GI PANEL&INV|SPC&Ct|^43.1||  
 OBX|30|ST|GI PANEL&INV|SPC&EndPt|^104.0||  
 OBX|31|ST|GI PANEL&INV|IC&|NEG^||  
 OBX|32|ST|GI PANEL&INV|IC&Ct|^43.6||  
 OBX|33|ST|GI PANEL&INV|IC&EndPt|^173.0||  
 OBX|34|ST|GI PANEL&INV|Salmonella&|NEG^||  
 OBX|35|ST|GI PANEL&INV|Salmonella&Ct|^0.0||  
 OBX|36|ST|GI PANEL&INV|Salmonella&EndPt|^-1.0||  
 OBX|37|ST|GI PANEL&INV|Shigella EIEC&|NEG^||  
 OBX|38|ST|GI PANEL&INV|Shigella EIEC&Ct|^0.0||

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OBX|39|ST|GI PANEL&INV|Shigella EIEC&EndPt|^-1.0||
OBX|40|ST|GI PANEL&INV|Cryptosporidium&|NEG^||
OBX|41|ST|GI PANEL&INV|Cryptosporidium&Ct|^0.0||
OBX|42|ST|GI PANEL&INV|Cryptosporidium&EndPt|^1.0||
OBX|43|ST|GI PANEL&INV|Giardia&|NEG^||
OBX|44|ST|GI PANEL&INV|Giardia&Ct|^0.0||
OBX|45|ST|GI PANEL&INV|Giardia&EndPt|^0.0||
OBX|46|ST|GI PANEL&INV|Norovirus&|NEG^||
OBX|47|ST|GI PANEL&INV|Norovirus&Ct|^0.0||
OBX|48|ST|GI PANEL&INV|Norovirus&EndPt|^-4.0||
OBX|49|ST|GI PANEL&INV|SPC Melt&Tm|^72.7||
OBX|50|ST|GI PANEL&INV|SPC Melt&PkJgt|^5.5||
SPM|1|Xpert GI_CEIVD2#Invalid^||ORH|||||P
    
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### 3 Observation Language Translations Table

The table below provides a consolidated translation of the analyte value strings for all the languages supported by the GeneXpert Systems.

| #  | Language   | POSITIVE      | NEGATIVE      | ERROR     | INVALID          | NO RESULT        |
|----|------------|---------------|---------------|-----------|------------------|------------------|
| 1  | English    | POSITIVE      | NEGATIVE      | ERROR     | INVALID          | NO RESULT        |
| 2  | French     | POSITIF       | NÉGATIF       | ERREUR    | NON VALIDE       | PAS DE RÉSULTAT  |
| 3  | German     | POSITIV       | NEGATIV       | FEHLER    | UNGÜLTIG         | KEIN ERGEBNIS    |
| 4  | Spanish    | POSITIVO      | NEGATIVO      | ERROR     | NO VÁLIDO        | SIN RESULTADO    |
| 5  | Italian    | POSITIVO      | NEGATIVO      | ERRORE    | INVALIDO         | NESSUN RISULTATO |
| 6  | Portuguese | POSITIVO      | NEGATIVO      | ERRO      | INVÁLIDO         | SEM RESULTADO    |
| 7  | Russian    | ПОЛОЖИТЕЛЬНЫЙ | ОТРИЦАТЕЛЬНЫЙ | ОШИБКА    | НЕДЕЙСТВИТЕЛЬНЫЙ | НЕТ РЕЗУЛЬТАТА   |
| 8  | Ukrainian  | ВИЯВЛЕНО      | НЕ ВИЯВЛЕНО   | НЕДІЙСНИЙ | НЕДІЙСНИЙ        | НЕМАЄ РЕЗУЛЬТАТУ |
| 9  | Japanese   | ポジティブ         | ネガティブ         | ERROR     | INVALID          | NO RESULT        |
| 10 | Chinese    | 阳性            | 阴性            | 错误        | 无效               | 无结果              |

