Xpert® C. difficile

Detection of Clostridium difficile
In Just Over 30 Minutes*.  

Rapid and Accurate. It’s About Time.

* For Positive Results
The alarming rise in the incidence of Clostridium difficile infection (CDI) highlights the need for rapid and accurate diagnostic solutions. Today’s testing methodologies have forced clinicians to choose between solutions that deliver either speed or accuracy.

**THE NEED**

The alarming rise in the incidence of *Clostridium difficile* infection (CDI) highlights the need for rapid and accurate diagnostic solutions:

- Sensitivity of current available rapid diagnostic tests are unacceptably low[^1]
- Additional length of stay increase caused by *C. difficile* infection is 5.6 days[^1]
- Incremental costs due to *C. difficile* infection can be as high as $7,179[^1] per patient
- Testing of all suspected CDI cases directly with PCR is cost effective[^2]

**THE SOLUTION**

Today’s testing methodologies have forced clinicians to choose between solutions that deliver either speed or accuracy. Cepheid’s Xpert® *C. difficile* delivers both in just over 30 minutes:

- Superior test accuracy eliminates the need for additional or repeat testing
- Testing of all suspected CDI cases directly with PCR is cost effective[^2]
- Rapid identification of infected patient helps infection control efforts
- Timely reporting enables clinicians to administer appropriate therapy thereby improving patient management

Cepheid’s Xpert *C. difficile* test provides on-demand results you can trust and empowers your clinical team to better manage patients.

[^1]: Reference 1
[^2]: Reference 2
PERFORMANCE

Performance characteristics of Xpert® C. difficile were determined in a prospective investigation study by comparing Xpert C. difficile on the GeneXpert® System with broth enriched toxigenic culture.

Performance Characteristics of Xpert C. difficile as Compared to Toxigenic Culture

<table>
<thead>
<tr>
<th>TOXIGENIC CULTURE</th>
<th>C. difficile POS</th>
<th>NEGATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xpert C. difficile</td>
<td>316</td>
<td>117</td>
</tr>
<tr>
<td>Toxin B+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xpert C. difficile</td>
<td>22</td>
<td>1841</td>
</tr>
<tr>
<td>Negative</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sensitivity: 93.5%
Specificity: 94.0%

ACCURACY

Management of CDI requires rapid and accurate diagnosis. Cepheid’s Xpert C. difficile delivers both while enabling clinicians to optimize patient management and reduce length of stay.


* Test performance assessments based on independent peer reviewed publication. Performance assessments do not represent “head” to “head” comparisons.
WORKFLOW:
3 EASY STEPS
Total hands-on time: <1 Minute

1. Insert swab into Elution reagent vial and break at score
2. Vortex and dispense Sample into Port S
3. Insert Cartridge and start assay

Ordering Information

Xpert C. difficile (10 tests) ........................................... Catalog No. GXCDIFFICILE-10
Xpert C. difficile (120 tests) ......................................... Catalog No. GXCDIFFICILE-120

References:
1. Sloan et al., JCM 2008
2. Larson et al., JCM 2010

For In Vitro Diagnostic Use.

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