Your molecular genetic test system for the identification of toxigenic *Clostridium difficile* and for the differentiation of non-pathogenic, virulent and hypervirulent strains including ribotype 027.

- **FluoroType® CDiff** – »The reliable screening test«
- **GenoType CDiff** – »The comprehensive test for the differentiation of pathogenic strains«

Your benefits of using *C. difficile* diagnostics from Hain Lifescience

- **Time-saving:** FluoroType® CDiff allows a reliable identification of toxigenic *C. difficile* strains within three hours via the detection of *tpi* and toxin B.
- **Comprehensive results:** GenoType CDiff enables the differentiation of virulent and hypervirulent strains like ribotype 027 by detecting toxin A, toxin B, binary toxin, deletions in the regulatory gene *tcdC* and resistance to moxifloxacin.
- **Highly reliable:** Both test systems are characterised by high sensitivity and specificity. Controls ensure valid results.
- **User-friendly:** The simple test procedure can easily be integrated into your daily lab routine.
- **CE-marked:** No need for elaborate validation studies.
**FluoroType® CDiff and GenoType CDiff**

**Facts**

Infections with *Clostridium difficile* can cause diarrhoea, pseudomembranous and fulminant colitis and can even lead to death. These symptoms are caused by the pathogenicity locus, which encodes toxin A and B in virulent *C. difficile* strains. An increase in severe *C. difficile* infections and the mortality rate has been observed in recent years. The reason for this is hypervirulent strains like ribotype 027, which produce a binary toxin in addition to toxin A and toxin B. Furthermore, toxin production is enhanced by deletions in the regulatory gene tcdC. Discrimination of other ribotypes is possible by the detection of genes mediating moxifloxacin resistance.

Quick and reliable *C. difficile* diagnostics are essential for the initiation of successful therapy and are needed in order to prevent the spread of the pathogen. FluoroType® CDiff allows a rapid screening for toxigenic *C. difficile*. In a second step, GenoType CDiff can provide more detailed information for characterisation of the pathogenic strain. Based on these results correct and efficient therapy and hygiene measures can be initiated.

**Choose your test system for reliable and comprehensive *C. difficile* diagnostics!**

<table>
<thead>
<tr>
<th>Test name</th>
<th>FluoroType® CDiff</th>
<th>GenoType CDiff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample material</td>
<td>Stool</td>
<td>Stool, culture material, rectal swabs</td>
</tr>
<tr>
<td>Detection</td>
<td><em>C. difficile</em>, toxin B</td>
<td><em>C. difficile</em>, toxin A, toxin B, binary toxin, deletions in regulatory gen, moxifloxacin resistance</td>
</tr>
<tr>
<td>Test principle</td>
<td>FluoroType® technology</td>
<td>DNA•STRIP technology</td>
</tr>
<tr>
<td>Test result</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For further information please contact Hain Lifescience or your local distributor.