FluoroType® CDiff and GenoType CDiff

Reliable and comprehensive *Clostridium difficile* diagnostics ...

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 *tdcC*. 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!**

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