IVD

Hain Lifescience – a Bruker Company

FluoroType® Bordetella

Reliable identification of *Bordetella pertussis* and *Bordetella parapertussis*

Molecular genetic test system for detection of *B. pertussis* and *B. parapertussis* from swabs.

Your benefits of using FluoroType® Bordetella

- **High sensitivity and specificity:** Reliable identification of *B. pertussis* and *B. parapertussis* by the detection of the IS elements IS*481* and IS*1001*.
- **Rapid and reliable:** Results are available in approximately 2.5 hours. Internal controls monitor test performance from sample preparation to amplification for reliable results.
- **User-friendly:** Minimal hands-on-time with rapid and simple manual DNA extraction. Amplification and detection are performed with the FluoroCycler® instrument. The user-friendly FluoroSoftware® performs result evaluation and interpretation.
- **Best solution for every need:** Analysis of up to 12 samples with FluoroCycler® 12. A universal test protocol allows for combination with several other parameters of our portfolio.
- **CE-marked:** No need for elaborate validation.

Facts

Whooping cough (pertussis) is a highly contagious infectious disease caused by the bacterium *B. pertussis*. In children the disease usually begins with flu-like symptoms and then continues with paroxysmal cough. *B. parapertussis* causes similar but milder disease. Pertussis in adolescents and adults is generally characterized by prolonged cough without coughing spasms and remains therefore often undetected. The most severe symptoms occur in newborns and infants which are at highest risk in developing severe complications. That's why timely and reliable diagnosis is important to start an effective treatment and minimize risk of transmission.

Test principle of FluoroType® Bordetella

DNA extraction from swabs | **Amplification and detection** | **Results in approx. 2.5 hours**

Fast and reliable diagnostics with FluoroType® Bordetella

The PCR-based test system FluoroType® Bordetella allows for rapid and reliable identification of *B. pertussis* and *B. parapertussis* by the detection of the IS elements IS*481* and IS*1001*. Bacterial DNA is extracted from sample material using the isolation kit BLyse followed by automated amplification and detection in the FluoroCycler® instrument. An Internal Control monitors test performance from sample preparation to valid results. Evaluation of results is performed automatically by the innovative FluoroSoftware®, for reliable test results within approximate 2.5 hours. Thus, FluoroType® Bordetella can be easily implemented in your laboratory routine allowing for efficient pertussis diagnostics.

FluoroType® Bordetella – At a glance

Detection of: *B. pertussis* and *B. parapertussis* by IS elements IS*481* and IS*1001*
Sample material: nasopharyngeal, nasal or throat swabs (transystem® 160C)
Nucleic acid extraction: manual DNA extraction with BLyse
Controls: Internal Control, positive control (negative control recommended!)
Technology: FluoroType® technology, melting curve analysis
Amplification and detection: automatically in FluoroCycler® 12
Throughput: 1 to 12 samples
Test duration: approx. 2.5 hours

Please contact your local representative for availability in your country. Not for sale in the USA.

Hain Lifescience GmbH

Hardwiesenstrasse 1
72147 Nehren - Germany
Phone +49 (0) 7473-9451-0

CE IVD

info.mdx.de@bruker.com - www.hain-lifescience.de

© Bruker 01-2020 L_JN0420008_1874337