

CE-IVD

# TaqPath Menu GeneProof *Bordetella pertussis*/ *parapertussis* PCR Kit

## Molecular diagnostic for respiratory tract infections

**Broad range of reliable and simple PCR-based testing to help diagnosis**

Prompt and early diagnosis of respiratory tract infections (RTIs) is important to enable appropriate treatment and help prevent further transmission. Clinical testing labs require RTI testing solutions that help provide confidence, fast turnaround time, and accurate results. The CE-marked Applied Biosystems™

TaqPath™ Menu | GeneProof™ RTI portfolio supports respiratory health testing and delivers reliable results with excellent sensitivity and specificity. This helps give confidence in diagnostic and treatment decisions, and helps stop the spread of disease.

**Applied Biosystems™ TaqPath™ Menu | GeneProof™ *Bordetella pertussis*/*parapertussis* PCR Kit features:**



### High specificity

- Amplification of the multicopy insertion sequences IS1002 specific for both *Bordetella pertussis* and *B. parapertussis*, and IS1001 specific only for *B. parapertussis*
- No demonstrated false positive results for *Bordetella holmesii*



### Easy-to-use concept

- Single tube ready-to-use Master Mix contains all components for PCR amplification
- No additional pipetting of PCR reagents is necessary



### Contamination reduction

- Master Mix contains uracil-DNA glycosylase (UNG) and dUTPs reducing carryover contamination



### Simple laboratory workflow

- Easily combinable with other PCR kits from the TaqPath Menu | GeneProof RTI portfolio in one workflow



### Compatible with a wide range of real-time PCR devices



### More information with less sample

- Detects and distinguishes *B. pertussis* and *B. parapertussis* in a single reaction tube

**Product details for the TaqPath Menu | GeneProof Bordetella pertussis/parapertussis PCR Kit**

<b>Technology</b>	Qualitative real-time PCR
<b>Target sequence</b>	The multicopy insertion sequences IS1002 (specific for both <i>B. pertussis</i> and <i>B. parapertussis</i> ) and IS10001 (specific only for <i>B. parapertussis</i> )
<b>Sample type</b>	Aspirate, sputum, swab
<b>Analytical specificity</b>	<i>B. pertussis</i> , 100% <i>B. parapertussis</i> , 100%
<b>Analytical sensitivity (LoD)</b>	0.212 cp/μL (on Amplirun Bordetella pertussis DNA Control, Vircell)
<b>Extraction/inhibition control</b>	PCR inhibition and DNA extraction efficiency control by internal control (IC)
<b>Instruments</b>	Applied Biosystems™ 7500 Real-Time PCR System Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System croBEE Real-Time PCR System AMPLilab Real-Time PCR System AriaMx Real-Time PCR System BioQuant-96 Real-Time PCR System CFX96/Dx Real-Time PCR Detection System Gentier 96E/96R Real-Time PCR System LightCycler 480 LineGene 9600/9600 Plus Mic qPCR Cyclers Rotor-Gene 3000/Q/6000 SLAN Real-Time PCR System
<b>Validated extraction methods</b>	Refer to the Instructions for Use (IFU)
<b>Detection channel</b>	FAM, HEX/JOE/VIC, Cy5
<b>External quality assessment</b>	Regularly tested in QCMD and Instand e.V. External Quality Assessment Panels

**Ordering information**

Description	Quantity	Cat. No.
TaqPath Menu   GeneProof Bordetella pertussis/parapertussis PCR Kit	100 reactions	A58208

**Rely on a comprehensive portfolio of Applied Biosystems™ TaqPath™ Menu | GeneProof™ Kits to help meet your lab's clinical testing needs**

- TaqPath Menu | GeneProof Adenovirus PCR Kit
- TaqPath Menu | GeneProof Mycobacterium tuberculosis PCR Kit
- TaqPath Menu | GeneProof Enterovirus PCR Kit
- TaqPath Menu | GeneProof Chlamydia pneumoniae PCR Kit
- TaqPath Menu | GeneProof Mycoplasma pneumoniae PCR Kit



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