

The *Pneum* Dx<sup>®</sup>  
range

Developing the future of  
fungal diagnostics

Asp Dx<sup>®</sup> Cand Dx<sup>®</sup> Pneum Dx<sup>®</sup>

OLM<sup>®</sup>  
diagnostics

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 *Pneum*ID<sup>®</sup>

qPCR kit for the detection of  
*Pneumocystis jirovecii*

CE IVD

OLM<sup>®</sup>  
diagnostics

# PneumID<sup>®</sup> (Code OLM2008)

*Pneumocystis jirovecii* is a common cause of life-threatening pneumonia in individuals with impaired immune systems. **PneumID<sup>®</sup>** is a multiplex qPCR test designed to detect genomic DNA of *Pneumocystis jirovecii* from human respiratory samples within 45 minutes of DNA extraction.

**PneumID<sup>®</sup>** is being targeted for use as an aid in the diagnosis of respiratory infections caused by *Pneumocystis jirovecii*.

## PneumID<sup>®</sup>

- 50 reactions
- Detection of *Pneumocystis jirovecii*
- Detection of human  $\beta$ -globin gene



**Rapid diagnostics**  
Test results within  
**45 minutes**

### Kit contents

- Primer/Probe mix
- qPCR master mix
- RNase/DNase-free water
- Positive Control
- IEC template

Now available with quantification standards (copy numbers/ml).  
Email [info@olmdiagnosics.com](mailto:info@olmdiagnosics.com) for more information

### Targets

- *Pneumocystis jirovecii*
- Human  $\beta$ -globin gene
- IEC

### Validation

- Validated on DNA extracts from confirmed clinical *Pneumocystis jirovecii* Pneumonia (PCP) cases

### Features and benefits

- Direct detection in clinical nucleic acid extracts
- **Results within 45 minutes** of nucleic acid extraction
- **Internal extraction control (IEC)** included
- Human  $\beta$ -globin gene detection assay included as an endogenous internal control (IC) for assessment of specimen quality and nucleic acid extraction
- The only commercial *Pneumocystis* qPCR assay to include simultaneous detection of both *Pneumocystis* and a human DNA target from a respiratory sample extract
- Positive control included
- **'Ready to use' reagents** – no resuspension/dilution steps required
- Suitable for real-time PCR instruments
- From DNA extract to PCR result in **4 simple steps**

### Performance characteristics

- Under optimal PCR conditions the primers in OLM's **PneumID<sup>®</sup>** kits result in **amplification efficiencies of >90%**
- Broad dynamic detection range of at least **six orders of magnitude**
- Sensitive to a single *Pneumocystis* genome

### Quality assurance

**PneumID<sup>®</sup>** was developed, optimised and validated in strict compliance with the **MIQE guidelines** and is suitable for real-time PCR instruments, using hydrolysis probe detection chemistry.

#### **OLM's promise to you;**

- Assays professionally designed by an expert
- Assays scientifically validated in our laboratory
- Guaranteed high quality reagents
- Exceptional value for money

