



BIOFIRE® FILMARRAY® PNEUMONIA (PN) PANEL

1 Test. 33 Targets. ~1 Hour.

BACTERIA (Semi-Quantitative)

*Acinetobacter calcoaceticus-
baumannii* complex
Enterobacter cloacae complex
Escherichia coli
Haemophilus influenzae
Klebsiella aerogenes
Klebsiella oxytoca
Klebsiella pneumoniae group
Moraxella catarrhalis
Proteus spp.
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Streptococcus agalactiae
Streptococcus pneumoniae
Streptococcus pyogenes

ATYPICAL BACTERIA (Qualitative)

Chlamydia pneumoniae
Legionella pneumophila
Mycoplasma pneumoniae

VIRUSES

Adenovirus
Coronavirus
Human metapneumovirus
Human rhinovirus/enterovirus
Influenza A virus
Influenza B virus
Parainfluenza virus
Respiratory syncytial virus

ANTIMICROBIAL RESISTANCE GENES

Carbapenemases

IMP
KPC
NDM
OXA-48-like
VIM

ESBL

CTX-M

Methicillin Resistance

mecA/C and MREJ (MRSA)

Overall Performance: BAL-like: 96.2% sensitivity, 98.3% specificity
Sputum-like: 96.3% sensitivity, 97.2% specificity¹

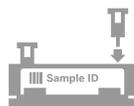
US FDA-cleared | CE₂₇₉₇

Fast. Easy. Comprehensive.

Syndromic testing provides a streamlined workflow and fast, comprehensive results.



Approximately 0.2mL
Sputum-like or BAL-like
sample retrieved using
the included swab



2 minutes
hands-on time



Results in about
an hour



Comprehensive
results in a single
report



Semi-quantitative results to
help distinguish pathogens of
interest from normal flora

Antimicrobial Stewardship

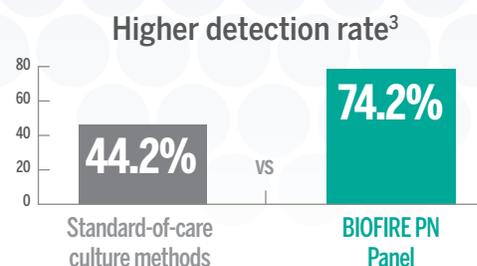
A study of 259 BAL specimens run on the BIOFIRE® PN Panel assessed hypothetical changes to antimicrobial therapy.²



- Up to **50%** of patients could have been de-escalated
- The BIOFIRE PN Panel could have saved over **18,000 hours** of antibiotic use
- Antibiotics could have been removed **3-4 days earlier**, including 62 courses of vancomycin

Detects More Organisms Than Culture

Due to the fundamental differences between PCR and culture, the BIOFIRE PN Panel detects more organisms than culture in lower respiratory tract samples.³



Semi-Quantitative Results

Copy number was strongly related to standard semi-quantitative growth on plates reported by the laboratory (e.g. 1+, 2+, 3+ growth), and was significantly higher in those specimens that grew a potential pathogen. Both higher copy number and bacterial detections found by the BIOFIRE PN Panel, but not found in culture, were strongly positively related to the level of WBC reported in the initial Gram-stain.⁴

Panel Information

Storage Conditions: all kit components stored at room temperature (15-25 °C)

BIOFIRE PN Panel Reagent Kit (30 Pouches): RFIT-ASY-0144



Scan the QR code for more information.

Learn more about the BIOFIRE range of commercially-available panels for syndromic infectious disease diagnostics.



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References

1. Overall performance based on prospective clinical study for the BIOFIRE® FILMARRAY® Pneumonia Panel, data on file, BioFire Diagnostics.
2. Buchan B.W., et al. J Clin Micro. April 2020. doi:10.1128/JCM.00135-20.
3. Enne et al. Thorax 2022;0:1-9. doi:10.1136/thoraxjnl-2021-216990.
4. Rand et. al. Open Forum Infectious Diseases. 2020 Nov 29;8(1):ofaa560. doi: 10.1093/ofid/ofaa560.

Product availability varies by country. Consult your bioMérieux representative.

Learn more: biomerieux.com

PIONEERING DIAGNOSTICS