BIOMÉRIEUX

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% specificity[1]

US FDA-cleared | CE 2797

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

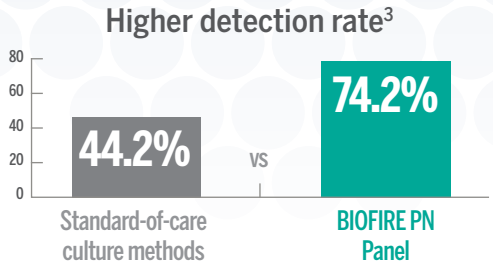
Antimicrobial Stewardship

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.

Contact Us

bioMérieux S.A.
69280 Marcy l'Etoile
France
Tel: +33 (0) 4 78 87 20 00
Fax: +33 (0) 4 78 87 20 90
biomerieux.com

Manufactured by:
BioFire Diagnostics, LLC
515 Colorow Drive
Salt Lake City, UT 84108 USA
Tel: +1-801-736-6354
biofiredx.com

References

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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.

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