

DON'T MISS A **DIAGNOSIS.**

Syndromic BIOFIRE® Panels offer faster time to result in ~1 hour.





Rapid, accurate diagnosis for the right care, the first time.

BIOFIRE® Panels utilize a syndromic approach—simultaneously testing for a wide array of pathogens that can cause similar symptoms—for actionable results in about an hour. This can make a big difference in critical care, where the right information can lead to faster, more informed treatment.

6 Panels. 170+ Targets. ~1 Hour.



BIOFIRE® **BLOOD CULTURE IDENTIFICATION 2 PANEL***,†

43 Targets. ~1 Hour.



BIOFIRE® FILMARRAY® PNEUMONIA PANEL*,† 33 Targets. ~1 Hour.



BIOFIRE® FILMARRAY®

MENINGITIS/ENCEPHALITIS PANEL*,†

14 Targets. ~1 Hour.



BIOFIRE®
RESPIRATORY 2.1 PANEL*
22 Targets. ~45 Minutes.



BIOFIRE® FILMARRAY® **GASTROINTESTINAL PANEL***,†

22 Targets. ~1 Hour.



BIOFIRE®
JOINT INFECTION PANEL*,†
39 Targets. ~1 Hour.

***FDA** cleared [†]**C** €2797

Reduce time to results.

BIOFIRE® Panels may significantly reduce the time to actionable results compared to conventional test methods in critical situations.

Here are some examples of clinical evidence using BIOFIRE Panels:

BIOFIRE® BLOOD CULTURE IDENTIFICATION 2 PANEL





faster for advising on infection prevention and control measures^{1,†}

BIOFIRE® FILMARRAY® PNEUMONIA PANEL



Standard-of-care methods

BIOFIRE® FILMARRAY® MENINGITIS/ENCEPHALITIS PANEL





BIOFIRE ME Panel median time to therapy3

BIOFIRE® RESPIRATORY 2.1 PANEL

7.7 hrs 13.5 hrs standard-of-care standard-of-care

turnaround time for turnaround time for influenza viruses non-influenza viruses 1.7 hrs

BIOFIRE RP Panel turnaround time for influenza viruses

1.5 hrs

BIOFIRE RP Panel turnaround time for non-influenza viruses4

BIOFIRE® FILMARRAY® GASTROINTESTINAL PANEL



71.4 hrs standard-of-care turnaround time



23.4 hrs BIOFIRE GI Panel turnaround time for patients with HIV infection^{5,*}

*For patients with HIV infection.

†Data obtained with the previous version of the BIOFIRE BCID2 Panel.

Improve time to therapy and reduce empiric antibiotic use.



BIOFIRE® Panels may show a significant decrease in time to optimal therapy when combined with appropriate antimicrobial stewardship interventions.

Here are some examples of clinical evidence using BIOFIRE Panels:

BIOFIRE® BLOOD CULTURE IDENTIFICATION 2 PANEL



39.1 hrs

faster time to optimal therapy with an established antimicrobial stewardship program^{6,*}

BIOFIRE® FILMARRAY® PNEUMONIA PANEL



80%

of patients with pneumonia in the ICU received results-directed therapy vs. 29%²



60%

of ventilated pediatric ICU patients suspected of tracheitis or pneumonia had a change in antibiotics⁷

BIOFIRE® FILMARRAY® MENINGITIS/ENCEPHALITIS PANEL



32%

of cases had an earlier discontinuation of empiric therapy8

BIOFIRE® RESPIRATORY 2.1 PANEL



19.1%

less likely to be prescribed empiric antibiotic therapy in hospitalized children less than 18 years old



6.4 hrs

duration of empiric antibiotics vs. 32.9 hrs⁹

BIOFIRE® FILMARRAY® GASTROINTESTINAL PANEL



Demonstrated to avoid unnecessary anti-infective therapy for patients with an HIV infection⁵

^{*}Data obtained with the previous version of the BIOFIRE BCID2 Panel.

Shorten patient stay in the ICU.

BIOFIRE® results may help inform patient management decisions, including optimizing therapy, discharging, or moving the patient into or out of isolation.

Here are some examples of clinical evidence using BIOFIRE Panels:

BIOFIRE® FILMARRAY® MENINGITIS/ENCEPHALITIS PANEL



1.5 day mean reduction in ICU length of stay¹⁰

BIOFIRE® RESPIRATORY 2.1 PANEL



~1.5 day reduction in length of stay in hospitalized patients¹¹

BIOFIRE® FILMARRAY® GASTROINTESTINAL PANEL



17.5 dayslength of stay using standard-of-care methods



7.5 days

length of stay using the BIOFIRE GI Panel for hospitalized liver transplant recipients with diarrhea¹²



Reduce mortality.

BIOFIRE® results may lead to improved patient care and an increased survival rate of patients.

Here are some examples of clinical evidence using BIOFIRE Panels:

BIOFIRE® BLOOD CULTURE IDENTIFICATION 2 PANEL



Significant reduction in in-hospital and 30-day mortality among patients under 65 years old^{13,*}

BIOFIRE® FILMARRAY® MENINGITIS/ENCEPHALITIS PANEL



Rapid diagnosis of bacterial meningitis has been shown to reduce mortality¹⁴

BIOFIRE® RESPIRATORY 2.1 PANEL



7% survival rate increase in adult ICU patients¹⁵

^{*}Data obtained with the previous version of the BIOFIRE BCID2 Panel

Improve economic impact.

The use of BIOFIRE® Panels may lead to reduced antibiotic use, reduced antibiotic duration, and shorter patient length of stay, which contribute to overall cost savings.

Here are some examples of clinical evidence using BIOFIRE Panels:

BIOFIRE® BLOOD CULTURE IDENTIFICATION 2 PANEL



\$3,000

per patient in decreased overall hospital costs16,*

BIOFIRE® FILMARRAY® PNEUMONIA PANEL



\$50 less

per hospitalized patient with community-acquired pneumonia, when comparing BIOFIRE PN Panel and culture with multi-test bundle17

BIOFIRE® FILMARRAY® MENINGITIS/ENCEPHALITIS PANEL



\$12,240 USD decrease per pediatric ICU patient in private costs¹⁸



\$2,916 USD decrease per pediatric ICU patient in public costs¹⁸



\$2,319 CAD

case savings for ICU due to length of stay reduction in adults¹⁰

BIOFIRE® RESPIRATORY 2.1 PANEL



\$8,000 saved per adult ICU patient¹⁵

^{*}Data obtained with the previous version of the BIOFIRE BCID2 Panel.

Increase confidence with accurate results.

All BIOFIRE® Panels are either FDA cleared and/or CE marked. BIOFIRE technology is based on nested multiplex PCR results with high sensitivity and/or specificity.



99.0% sensitivity, 99.8% specificity¹⁹



BAL-like: 96.2 % sensitivity, 98.3% specificity²⁰ Sputum-like: 96.3% sensitivity, 97.2% specificity²⁰



94.2% sensitivity, 99.8% specificity²¹



Overall Performance: 97.1% sensitivity, 99.3% specificity²² SARS-CoV-2 Performance: 98.4% PPA, 98.9% NPA²³



98.5% sensitivity, 99.2% specificity²⁴



91.7% sensitivity, 99.8% specificity²⁵



cleared †C €2797

Introducing the BIOFIRE® Joint Infection (JI) Panel, a new syndromic panel from bioMérieux.

Septic arthritis and prosthetic joint infections can be considered medical emergencies that require rapid diagnosis and treatment. With a turnaround time of ~1 hour and a broad panel menu of 31 pathogens and 8 antimicrobial resistance genes, the BIOFIRE JI Panel can provide fast, accurate results that may aid clinicians in pathogen-guided patient management.



BIOFIRE syndromic testing can improve critical care.

BIOFIRE Panels can make a significant impact on ICU patient care. Syndromic testing provides fast, accurate, and reliable results for better patient management and outcomes in critical situations.





References

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- 19. Overall performance is the aggregate of the prospective, archived, and seeded data from the clinical studies. Data on file, BioFire Diagnostics.
- 20. Overall performance based on prospective clinical study for the BIOFIRE® FILMARRAY® Pneumonia Panel, data on file, BioFire Diagnostics.
- 21. Overall performance based on prospective clinical study for the BIOFIRE® FILMARRAY® Meningitis/Encephalitis Panel, data on file, BioFire Diagnostics.
- 22. Overall performance based on prospective clinical study for the BIOFIRE® FILMARRAY® Respiratory 2 Panel, data on file. BioFire Diagnostics.
- 23. Overall performance based on prospective SARS-CoV-2 clinical study for the BIOFIRE® Respiratory 2.1 Panel in comparison to 3 EUA tests, data on file, BioFire Diagnostics.
- 24. Overall performance based on prospective clinical study for the BIOFIRE® FILMARRAY® Gastrointestinal Panel, data on file, BioFire Diagnostics.
- 25. Overall performance based on prospective clinical study for the BIOFIRE® Joint Infection Panel, data on file, BioFire Diagnostics.







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Product availability varies by country. Please contact your local bioMérieux representative for details