

BIOMÉRIEUX

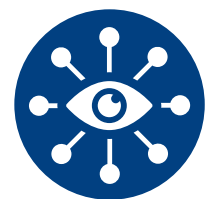
# WATCHFIRE™ SOLUTION

WASTEWATER & ENVIRONMENTAL SURVEILLANCE. SIMPLIFIED.

## TREND FASTER. ACT EARLIER.



BIOFIRE®  
FIREWORKS™



# WATCHFIRE™ SOLUTION

A BIOFIRE® SOLUTION FOR WASTEWATER & ENVIRONMENTAL SURVEILLANCE

## TREND FASTER. ACT EARLIER.

### WHAT IF YOU COULD ALERT EARLIER FOR POTENTIAL DISEASE OUTBREAKS?

As a frontliner for wastewater or environmental surveillance, you need to quickly identify pathogens and ensure public health authorities and communities are informed early to respond to potential disease outbreaks.

That's a challenge!

Informed decisions must be based on real-time data that can also be standardized over time to monitor trends. You need fast, multiple answers from decentralized testing to avoid potential sample quality degradation while remaining cost-efficient.

### YOUR WATCHFIRE™ SOLUTION

#### Near-Source, Multiplex PCR Wastewater & Environmental Surveillance

Optimize wastewater surveillance with real-time, on-site data to address potential public health risks proactively. By choosing the WATCHFIRE™ solution, you are joining a global movement for safer, healthier communities. Be part of the change with the WATCHFIRE™ solution – advancing public health worldwide.



#### Informed Decisions

- From one sample, several PCR results in ~1 hour
- Cost-efficient, near-source testing
- Easy-to-use, approximately 2 minutes hands-on-time



#### Cost-effective, Operational Efficiency

- Plug and play with fast-time-to-result to optimize lab performance
- Small footprint to fit in all labs and scalable to meet your growing needs
- Minimum training required



#### Data Ownership

- Easily accessible, exportable data even from multiple sites
- Intuitive software with customizable KPI set-up
- Real-time results with web-hosted, centralized 24/7 availability
- Compatible with clinical lab data to support epidemiological trending



#### Committed Service Partner

- Worldwide support and network
- Flexible maintenance & VILINK® connectable for less instrument down time
- Unique supplier for reagents, software, instruments

## OPERATIONAL EFFICIENCY

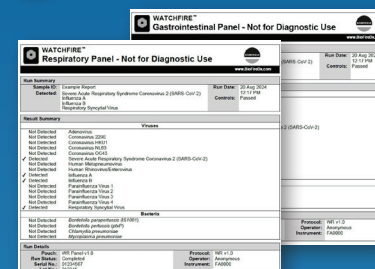
### 1 Sample Preparation



### 2 Automated Testing



### 3 Results in ~1 Hour



### 4 Data Trending & Analysis



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Normalized Cp values together with other aggregated data play a role in the ability to effectively measure the rate of change of signal for a target pathogen.

## WATCHFIRE™ PANELS



### WATCHFIRE™ RESPIRATORY PANEL

1 Test. 22 Targets. ~1 Hour.

Identify the most common viral and bacterial pathogens—including SARS-CoV-2, Respiratory Syncytial Virus, Influenza—in wastewater, that cause respiratory tract infections. They are chosen to fit public health surveillance needs which could correlate to clinical surveillance testing data.



### WATCHFIRE™ GASTROINTESTINAL PANEL

1 Test. 22 Targets. ~1 Hour.

Detect and trend a comprehensive range of bacterial, viral, and parasitic pathogens in wastewater, that can cause gastrointestinal infections. One single panel for multiple pathogens means cost-effective testing and more comprehensive alerts for emerging risks.



## BIOFIRE® FIREWORKS™

### Boost efficiency, improve productivity with data-powered insights for BIOFIRE® Systems

A centralized data management web portal, BIOFIRE® FIREWORKS™ delivers comprehensive insights and analytics on WATCHFIRE™ performance, test results, utilization, pathogen surveillance, workflow management, and more. Information at your fingertips—anytime, anywhere—to deliver data-driven decisions efficiently that are safe, secure and private.







## WATCHFIRE™ RESPIRATORY PANEL

1 Test. 22 Targets. ~1 Hour.

Ref. 424922

### VIRUSES

Adenovirus  
Coronavirus 229E  
Coronavirus HKU1  
Coronavirus NL63  
Coronavirus OC43  
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)  
Human metapneumovirus  
Human rhinovirus/enterovirus

Influenza A virus  
Influenza A virus A/H1  
Influenza A virus A/H3  
Influenza A virus A/H1-2009  
Influenza B virus  
Parainfluenza virus 1  
Parainfluenza virus 2  
Parainfluenza virus 3  
Parainfluenza virus 4  
Respiratory syncytial virus

### BACTERIA

*Bordetella parapertussis*  
*Bordetella pertussis*  
*Chlamydia pneumoniae*  
*Mycoplasma pneumoniae*



## WATCHFIRE™ GASTROINTESTINAL PANEL

1 Test. 22 Targets. ~1 Hour.

Ref. 424923

### BACTERIA

*Campylobacter* (*C. jejuni*/*C. coli*/*C. upsaliensis*)  
*Clostridioides* (*Clostridium*) *difficile* (toxin A/B)  
*Plesiomonas shigelloides*  
*Salmonella*  
*Vibrio* (*V. parahaemolyticus*/*V. vulnificus*/*V. cholerae*)  
*Vibrio cholerae*  
*Yersinia enterocolitica*

Diarrheagenic *Escherichia coli*/*Shigella*  
Enterohaggregative *E. coli* (EAEC)  
Enteropathogenic *E. coli* (EPEC)  
Enterotoxigenic *E. coli* (ETEC) *lt/st*  
Shiga-like toxin-producing *E. coli* (STEC) *stx1/stx2*  
*E. coli* O157  
*Shigella*/Enteroinvasive *E. coli* (EIEC)

### VIRUSES

Adenovirus F40/41  
Astrovirus  
Norovirus GI/GII  
Rotavirus A  
Sapovirus (I, II, IV, and V)

### PARASITES

*Cryptosporidium*  
*Cyclospora cayentanensis*  
*Entamoeba histolytica*  
*Giardia lamblia*

Consult your local bioMérieux representative for availability in your country.

## BIOFIRE® FILMARRAY® TORCH SPECIFICATIONS



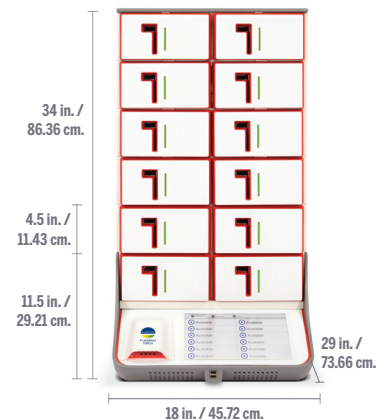
Supported by the BIOFIRE® cutting edge multiplex PCR technology in clinical use



Scalable configuration with a modular design from 1 to 12 modules



Near source testing device



## WATCHFIRE™ SOLUTION

When it comes to wastewater and environmental surveillance, the quicker you identify pathogen trends in the community, the earlier you can act. The WATCHFIRE™ Solution from bioMérieux allows you to do just that!

Be part of advancing public health worldwide with the WATCHFIRE™ Solution.

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