



## SPOTFIRE® RSP Negative Control

### INTENDED USE:

SPOTFIRE® RSP Negative Control is intended for use (as applicable) as a reference material to monitor performance of *in vitro* laboratory nucleic acid testing procedures for the qualitative detection of *Bordetella parapertussis*, *Bordetella pertussis*, *Chlamydia pneumoniae*, *Mycoplasma pneumoniae*, *Streptococcus dysgalactiae* (Group C/G Strep), *Streptococcus pyogenes* (Group A Strep), Adenovirus, seasonal Coronavirus, Coronavirus SARS-CoV-2, Human Metapneumovirus, Human Rhinovirus/Enterovirus, Influenza A Subtype H1-2009, Influenza A Subtype H3, Influenza B, Parainfluenza Virus and Respiratory Syncytial Virus using the BIOFIRE® SPOTFIRE Respiratory (R) Panel (SPOTFIRE R Panel), BIOFIRE SPOTFIRE Respiratory (R) Panel Mini (SPOTFIRE R Panel Mini) and BIOFIRE SPOTFIRE Respiratory Sore Throat Panel (SPOTFIRE R/ST Panel) assays performed on the BIOFIRE SPOTFIRE System. SPOTFIRE RSP Negative Control is comprised of a solution that does not contain target analytes and is designed for and intended to be used solely with the SPOTFIRE R Panel, SPOTFIRE R Panel Mini and SPOTFIRE R/ST Panel assays. This product is not intended to replace manufacturer internal controls provided with the device.

Quality control materials should be used in accordance with local, state, federal regulations, and accreditation requirements.

### PRODUCT SUMMARY and PRINCIPLE:

SPOTFIRE RSP Negative Control contains no nucleic acid and does not contain any sequence corresponding to genome segments of pathogens listed as detected in Tables 1, 2 and 3.

Quality controls can be used for routine monitoring of test systems, validation, verification, proficiency assessment, and training procedures. Routine use of quality controls assists the laboratory in identifying shifts, trends, and increased frequency of random errors caused by variations in the test system, such as failing reagents or malfunctioning equipment. Early investigation can prevent failed assay runs.

### COMPOSITION:

SPOTFIRE RSP Negative Control kit is comprised of 6 single use tubes, 300µL each, containing a non-infectious solution of buffers and preservatives. There is no DNA or RNA in the SPOTFIRE RSP Negative Control.

### INSTRUCTIONS FOR USE:

1. The controls may be shipped on dry ice or cold packs and placed at room temperature (18° – 25°C), or refrigerated (2° – 8°C) upon receipt.
2. Allow the control to come completely to room temperature (18° – 25°C) before use, approximately 30 minutes if frozen due to dry ice shipping.
3. Use the control as provided. Do Not Dilute.
4. Immediately before use, mix the control thoroughly by first flicking the tubes 3 times followed by inverting at least 3 times. Tap the tube 3 times on the bench to remove any control caught in the cap before opening the tube.
5. Refer to the Quality Control Testing section of the SPOTFIRE R Panel, SPOTFIRE R Panel Mini, or SPOTFIRE R/ST Panel Quick Guide to prepare, hydrate and load the SPOTFIRE R Panel Pouch, SPOTFIRE R Panel Mini Pouch, or SPOTFIRE R/ST Panel Pouch and to test the QC sample.  
*Note: It is important to thoroughly mix the QC sample with the Sample Buffer by inverting the Sample Injection Vial 3 times, as described in the Quick Guide.*
6. Discard after use according to your local and federal regulations.

For complete SPOTFIRE R Panel, SPOTFIRE R Panel Mini or SPOTFIRE R/ST Panel instructions, refer to the appropriate Quick Guide or Instruction Booklet provided by BioFire Diagnostics, LLC.

### STORAGE and STABILITY:

SPOTFIRE RSP Negative Control can be shipped on dry ice or cold packs, and stored at room temperature (18° – 25°C) or refrigerated (2° – 8°C) upon receipt. The controls are stable through the expiration date printed on the kit label. SPOTFIRE RSP Negative Control kit components are for single use. Discard after use according to your local and federal regulations.

### PRECAUTIONS and WARNINGS:

- Do not dilute. Use the control as provided.
- This product is intended for *in vitro* analytical testing and is provided for Research Use only, not for use in diagnostic procedures.
- SPOTFIRE RSP Negative Control is for use with the SPOTFIRE R Panel, SPOTFIRE R Panel Mini or SPOTFIRE R/ST Panel assays on the BIOFIRE SPOTFIRE System.
- Appearance: Negative control is clear.
- This product does not contain any biological material of human or animal origin. Universal Precautions are NOT required when handling this product.
- SPOTFIRE RSP Negative Control cannot be cloned, sold, or transferred without the explicit written consent of MMQCI.

### EXPECTED VALUES:

The expected results when the SPOTFIRE RSP Negative Control is tested as a Quality Control (QC icon) with SPOTFIRE R Panel (Table 1), SPOTFIRE R Panel Mini (Table 2) and SPOTFIRE R/ST Panel (Table 3).

Table 1. SPOTFIRE R Panel Results

Negative QC Test	
PASS	
<b>Bacteria</b>	<b>Viruses</b>
Negative <i>Bordetella parapertussis</i>	Negative Adenovirus
Negative <i>Bordetella pertussis</i>	Negative Coronavirus SARS-CoV-2
Negative <i>Chlamydia pneumoniae</i>	Negative Coronavirus (seasonal)
Negative <i>Mycoplasma pneumoniae</i>	Negative Human Metapneumovirus
	Negative Human Rhinovirus/Enterovirus
	Negative Influenza A Virus
	Negative Influenza A virus A/H1-2009
	Negative Influenza A virus A/H3
	Negative Influenza B Virus
	Negative Parainfluenza Virus
	Negative Respiratory Syncytial Virus

Table 2. SPOTFIRE R Panel Mini Results

Negative QC Test	
PASS	
<b>Viruses</b>	
Negative Coronavirus SARS-CoV-2	
Negative Human Rhinovirus	
Negative Influenza A Virus	
Negative Influenza B Virus	
Negative Respiratory Syncytial Virus	

Table 3. SPOTFIRE R/ST Panel Results

Negative QC Test	
PASS	
<b>Bacteria</b>	<b>Viruses</b>
Negative <i>Bordetella parapertussis</i>	Negative Adenovirus
Negative <i>Bordetella pertussis</i>	Negative Coronavirus SARS-CoV-2
Negative <i>Chlamydia pneumoniae</i>	Negative Coronavirus (seasonal)
Negative <i>Mycoplasma pneumoniae</i>	Negative Human Metapneumovirus
Negative <i>Streptococcus dysgalactiae</i> (group C/G Strep)	Negative Human Rhinovirus/Enterovirus
Negative <i>Streptococcus pyogenes</i> (group A Strep)	Negative Influenza A Virus
	Negative Influenza A virus A/H1-2009
	Negative Influenza A virus A/H3
	Negative Influenza B Virus
	Negative Parainfluenza Virus
	Negative Respiratory Syncytial Virus

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### ORDERING INFORMATION:

SPOTFIRE RSP Negative Control

Part Number: M42738, 6 tubes x 300µL

SPOTFIRE RSP Pos & Neg Controls

Part Number: M425, 2 boxes: 1 box each of M42638 & M42738