

INSTRUCTIONS FOR USE



■ 8246 Flu/RSV/SARS-CoV-2 Control Panel (Inactivated Swab)

INTENDED USE

The Flu/RSV/SARS-CoV-2 Control Panel (Inactivated Swab) is intended for use as an external positive and negative quality control to monitor the performance of in vitro laboratory nucleic acid testing procedures for the detection of Influenza A, Influenza B, Respiratory Syncytial Virus, and SARS-CoV-2 virus. The positive control is comprised of cultured and inactivated Influenza A, Influenza B, Respiratory Syncytial Virus, SARS-CoV-2 virus and human A549 lung epithelial cells. The negative control is comprised of cultured and inactivated Coxsackievirus B1 and human A549 lung epithelial cells. This product has no qualitative or quantitative assigned value. This control material is nonautomated and not intended to be used for screening, monitoring, or diagnosis. This control is not intended for any specific patient population or specimen.

SUMMARY AND PRINCIPLES

The Flu/RSV/SARS-CoV-2 Control Panel (Inactivated Swab) can be used to monitor the extraction, amplification and detection of Influenza A, Influenza B, Respiratory Syncytial Virus, and SARS-CoV-2 molecular testing assays. Routine use of quality controls monitors test variation, lot to lot test kit performance, operator performance, and aid in identifying random or systemic error.

COMPOSITION

The Flu/RSV/SARS-CoV-2 Control Panel (Inactivated Swab) consists of 6 individually packaged positive control swabs and 6 individually packaged negative control swabs. The viral particles have been inactivated using irradiation and chemical treatments, and the human cells have been inactivated using thermal treatment. The positive control swabs contain Influenza A (H1N1) Strain California/04/09, Influenza A (H3N2) Virus, Influenza B Virus Strain Hong Kong/5/72, Respiratory Syncytial Virus A Strain Long, Severe Acute Respiratory Syndrome Coronavirus 2 isolate USA/WA1/2020, and human A549 lung epithelial cells. The negative control swabs contain Coxsackievirus B1 and human A549 lung epithelial cells. The organisms are prepared in a buffered solution with materials of plant and animal origin, preservatives and stabilizers. The solution is lyophilized into a ready-to-use swab.

WARNINGS AND PRECAUTIONS

- For In Vitro Diagnostic use only.
- Do not open foil pouch until ready to use.
- This product must be handled in accordance with Biosafety Level 1 practices as described in the United States Department of Health and Human Services Centers for Disease Control and Prevention (CDC) and National Institutes of Health (NIH), Biosafety in Microbiological and Biomedical Laboratories, or other equivalent guidelines. Although this product has been inactivated; there is no known test or inactivation method that can assure that this product will not transmit infection.
- Wear proper personal protective equipment.
- Refer to the Safety Data Sheet (SDS) for more detailed information. The SDS can be located on the Microbiologics website at www.microbiologics.com or by contacting Technical Support at **320.229.7045** or U.S. Toll Free **1.866.286.6691**.
- This product does not contain any hazardous substances listed in 67/548/EEC or listed in 1272/2008/EC.
- This product is not made with natural rubber latex.
- Customer is responsible for ensuring compatibility of the control with the assay or protocol in use.



MATERIALS REQUIRED BUT NOT PROVIDED

- Nucleic acid extraction kit and assay
- Instrumentation for detection
- Rehydration buffer such as nuclease-free water, sample preparation reagent, or transport medium as required by assay to be performed
- Pipettors capable of delivering 0.5-1000 µl volumes
- Nuclease-free aerosol barrier pipette tips
- Vortex (if applicable)

INSTRUCTIONS FOR USE

1. Read assay package insert, instructions for use, or applicable lab protocol. Some instruments and assays are equipped with special QC settings. In these instances, it may be necessary to use the special setting when using QC sets and panels.
2. Tear open pouch at notch. Remove swab from pouch and place into a vial of hydrating fluid.
 - a. Minimum hydration volume of 300 µl is required for complete hydration of the swab. Please note, the swab will absorb some of the hydration fluid
 - b. Note: The swab may be hydrated in liquid or processed directly following diagnostic assay instructions for use.
3. Break the swab by snapping the shaft - lift the swab a few millimeters from the bottom of the tube and pushing against the rim to break it.
4. Recap the vial and vortex or shake vigorously for 10 seconds or until swab is hydrated.
5. Use the appropriate volume for the assay being performed and follow laboratory protocols or manufacturer instructions for processing a sample.
6. Note: Each swab is intended as a single use test. Dilutions may be performed and used immediately.

STORAGE AND EXPIRATION

Store the Flu/RSV/SARS-CoV-2 Control Panel (Inactivated Swab) at 2°C - 25°C in the original packaging up to the indicated expiration date. After opening the foil pouch, use the swab immediately.

Flu/RSV/SARS-CoV-2 Control Panel (Inactivated Swab) should not be used if:

- Stored improperly.
- There is evidence of excessive exposure to heat or moisture.
- The expiration date has passed.














LIMITATIONS

This product may not be suitable for use with all kits and procedures. Customer is responsible for verifying the performance of this product with their chosen instrumentation and assay(s).

MICROBIOLOGICAL STATE

This product was prepared using suitable inactivation methods. While the product has been tested for innocuity, universal laboratory precautions are recommended, and material should be treated as though it was a viable specimen.

KEY OF SYMBOLS

 LOT	Batch Code (Lot)		Manufacturer
 REF	Catalog Number		Temperature Limitation
	Caution, Consult Accompanying Documents		Use By
	Contains sufficient for <n> tests		Refer to Instructions for Use
 IVD	In Vitro Medical Device		Telephone Number
 EC REP	Authorized Representative in the European Community		CE Mark
		 QTY	Quantity

PRODUCT WARRANTY

- These products are warranted to meet the specifications and performance printed and illustrated in product inserts, instructions, and supportive literature.
- The warranty, expressed or implied, is limited when:
 - The procedures employed in the laboratory are contrary to printed and illustrated directions and instructions
 - The products are employed for applications other than the intended use cited in product inserts, instructions, and supportive literature.

NOTICE TO PURCHASERS

The purchase of this product allows the purchaser to use it for Research and Quality Control. No general patents or other license of any kind other than this specific right of use from purchase is granted hereby. No other rights are conveyed expressly, by implication or by estoppel to any other patents. Furthermore, no rights for resale are conferred with the purchase of this product.

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WEBSITE

Visit our website, www.microbiologics.com, for current technical information and product availability.

ACKNOWLEDGEMENTS ---



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ILLUSTRATED INSTRUCTIONS

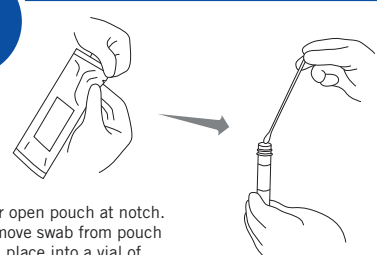
Each kit consists of 6 individually packaged positive control swabs and 6 individually packaged negative control swabs.

1



Read assay package insert, instructions for use, or applicable lab protocol. Some instruments and assays are equipped with special QC settings. In these instances, it may be necessary to use the special setting when using QC sets and panels.

2




Tear open pouch at notch. Remove swab from pouch and place into a vial of hydrating fluid.

Minimum hydration volume of 300 µl is required for complete hydration of the swab. Please note, the swab will absorb some of the hydration fluid.

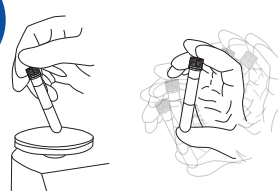
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3



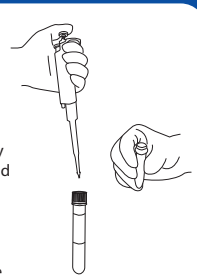
Break the swab by snapping the shaft - lift the swab a few millimeters from the bottom of the vial and pushing against the rim to break it.

4



Recap the vial and vortex or shake vigorously for 10 seconds or until swab is hydrated.

5



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