



TM
REDx FLOQ®

MICROBIX

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control



Microbix Biosystems Inc.
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Cat#: RED-S-13-M4

FLOQ® is a trademark of Copan Italia Spa



About this package insert

Thank you for your interest in this REDx™ quality control product.

This package insert consists of two pages.

- The first page contains the product name and an explanation of the symbols used on the labeling.
- The second page contains the complete package insert text.

If the package insert you view or print does not contain two pages, or if you experience any problems, please email us at customer.service@microbix.com.

By phone: US customers call +1-800-794-6694; International customers call collect +1-905-361-8910.

A printed package insert will be sent to you upon request.

P/N RED-S-13-M4.5R0

Explanation of symbols used in Microbix product labeling



Upper limit
of temperature



Temperature
limitation



*In Vitro Diagnostic
Medical Device*



Single-use only



Positive control



Use By



"Caution, consult
accompanying documents"



Catalogue
number



Batch code



Manufacturer

EN

WARNING: THESE REAGENTS MUST NOT BE
SUBSTITUTED FOR THE MANDATORY
POSITIVE AND NEGATIVE SAMPLE REAGENTS
PROVIDED WITH MANUFACTURED TEST KITS.

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control

REDx™
FLOQ®

FOR IVD USE.

INTENDED USE

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control is a desiccated, unassayed control intended to monitor laboratory testing performance, procedures, and workflows with nucleic acid amplification tests (NAAT) that detect Influenza A virus and SARS-CoV-2 in human nasopharyngeal, oropharyngeal, nasal mid-terminate, anterior nares, and lower respiratory samples, collected on swabs.

PRODUCT DESCRIPTION

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control is formulated with inactivated native Influenza A virus, SARS-CoV-2 whole genome cDNA and human fibroblast cells desiccated on a Copan FLOQSwab®. REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control can be utilized as an external sample to monitor the processes of nucleic acid detection assays, including sample extraction and purification, amplification, and detection¹.

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control does not have an assigned value ("unassayed"). Laboratories are required to establish an acceptance range for each lot of REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control with all assay procedures that the control is intended to be used with, prior to routine use in the laboratory^{2,3}.

PRINCIPLES OF THE PROCEDURE

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control is designed as an external independent sample for use with laboratory testing of Influenza A and SARS-CoV-2 nucleic acid targets, according to ISO15189 and CLIA regulations.

REAGENTS

Cat. No RED-S-13-M4; 1 swab containing inactivated native Influenza A virus, SARS-CoV-2 whole genome cDNA and human fibroblast cells.

LIMITATIONS OF THE PROCEDURE

REDx™ CONTROLS MUST NOT BE SUBSTITUTED FOR THE POSITIVE AND NEGATIVE CONTROL REAGENTS PROVIDED WITH THE MANUFACTURED TEST KITS.

TEST PROCEDURES and INTERPRETATION OF RESULTS provided by manufacturers of test kits must be followed closely.

Deviations from procedures recommended by test kit manufacturers may produce unreliable results. REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control DOES NOT HAVE AN ASSIGNED VALUE and may not be suitable for use with all Influenza A and SARS-CoV-2 test kits and procedures. Procedures for implementing a quality assurance program and monitoring test performance on a routine basis must be established by each individual laboratory. Each laboratory should establish its own range of acceptable values^{2,3}.

Controls are not calibrators and should not be used for assay calibration.

Adverse shipping and storage conditions or use of outdated samples may produce erroneous results.

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control might not be suitable for NAAT without an extraction step.

WARNINGS AND PRECAUTIONS

For IVD use.

For Professional and Trained Laboratory Personnel Use Only

Safety Precautions

1. Raw material used for REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control preparation is inactivated.
2. Use Centers for Disease Control and Prevention (CDC) recommended universal precautions for handling the samples and human specimens⁴.
3. REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control must be disposed of by following RCRA ID#D001 guidelines for ignitable waste⁵.
4. Keep REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control pouch closed when not in use.

HANDLING PRECAUTIONS

1. Do not use controls beyond the expiration date.
2. Avoid contamination of controls when opening the swab pouches.

STORAGE INSTRUCTIONS

Store REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control at 2-30°C until use.

Once opened, REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control should not be reused.

MATERIALS PROVIDED

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control – 1 swab

MATERIALS REQUIRED, BUT NOT PROVIDED

Refer to the Instructions For Use supplied by the test kit manufacturer.

PROCEDURE

When including the REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control in a test run, the exact same procedure for unknown specimens collected on a swab must be used. Refer to the manufacturer's supplied Instructions For Use provided with the test kit.

1. Elute the REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control by referring to the preferred technique and volumes described in the assay's Instructions For Use (usually 1-3 mL).
2. Use 100-1000 µL from the eluted REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control for the nucleic acid extraction step.
3. After extraction, proceed with the NAAT by using the eluted nucleic acid test volume specified in the assay's Instruction For Use (usually 5-20 µL from the eluted purified nucleic acid volume).

NOTE: Controls must NOT be substituted for the internal kit positive and negative controls supplied with the test kit.

Since the REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control does not have an assigned value, the laboratory must establish an acceptance range for each lot of the REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control.

TROUBLESHOOTING

When REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control results are outside of the established laboratory acceptance range for internal controls, it may be an indication of unsatisfactory test performance.

Possible sources of error include deterioration of test kit reagents, operator error, faulty performance of equipment, or contamination of reagents; internal laboratory procedures should be followed.

REFERENCES

1. *Accurate Results in the Clinical Laboratory 2013*, ISBN: 978-0-12-415783-5
2. Kirns H, Pitkin S, Housley D, et al. *J Clin Pathol* 2013;66:1027-1032.
3. *Statistical Quality Sample for Quantitative Measurements: Principles and Definitions; Approved Guideline– Second Edition*. NCCLS document C24-A2, 1999.
4. *CDC Recommendations for prevention of HIV transmission in health care settings*. MMWR 36 (suppl. 2), 1987.
5. *Treatment standards for hazardous waste; 40 CFR 268.40 Subpart D. D001: Ignitable characteristics of waste*.

For assistance, contact Microbix Technical Support at +1-905-361-8910.



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P/N RED-S-13-M4.5R0
29 May, 2023



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RED FLOQ®

CERTIFICATE OF ANALYSIS

REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control

Product Information

Product Name	REDx™FLOQ® Respiratory NAAT Influenza A and SARS-CoV-2 Swab Positive Control
Catalogue Number	RED-S-13-M4
Strain/Cell line	Influenza A/H1N1 Subtype; NC_045512 genome; MRC-5 cells
Lot number	13M40001A4
Analyte Value	Unassayed. Value not assigned by the manufacturer
Product Description	Unassayed qualitative positive control for the detection of Influenza A and SARS-CoV-2. Contains human cells.
Elution Volume	1-3 mL
Storage conditions	2-30°C
Expiry Date	30 Nov 2027
Intended Use	For <i>In vitro</i> Diagnostic Use.

Quality Control Information

Test method	Xpert® Xpress SARS-CoV-2/Flu/RSV Assay CDC 2019-Novel Coronavirus (2019-nCoV) based RT-PCR
Test Result	Observed Result
SARS-CoV-2	Positive
Influenza A	Positive
Influenza B	Negative
RSV	Negative
RNase P	Positive
Inactivation	Inactivated

This product is an unassayed control. The reported QC information is not intended to represent product specifications in any commercial or lab developed test. The laboratory should establish its own analyte value and ranges.



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IVD

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CONTROL +

REF

LOT



20°C
30°C



Information



Please ensure that your institution is consulted before recycling an item.



Quality Assurance Signature:

jenn Lee

Date: 10 Nov 2025

MICROBIX

P/N RED-S-13-M4.7R0