MICROBIX

RED™ controls

REDx™ Influenza B Positive Control

Microbix Biosystems Inc.
265 Watline Avenue
Mississauga, Ontario,
Canada, L4Z 1P3

Cat#: RED-14-01

IVD

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-14-01.5R0

Explanation of symbols used in Microbix product labeling


Upper limit of temperature


Temperature limitation

IVD
In Vitro Diagnostic Medical Device


Single-use only

CONTROL +
Positive control


Use By


"Caution, consult accompanying documents"

REF
Catalogue number

LOT
Batch code


Manufacturer

EN

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

RED™ controls

REDx™ Influenza B Positive Control

FOR IVD USE.

INTENDED USE

REDx™ Influenza B Positive Control is an unassayed control intended to monitor laboratory testing performance, procedures, and workflow with immunoassays and nucleic acid tests (NATs) that detect Influenza B in human nasal swab, nasopharyngeal swab, nasal/nasopharyngeal aspirate, and nasal/ nasopharyngeal wash samples.

PRODUCT DESCRIPTION

REDx™ Influenza B Positive Control is formulated with inactivated native Influenza B virus. REDx™ Influenza B Positive Control can be utilized as an external sample to monitor the processes of (1) respiratory viral immunoassays and (2) respiratory viral nucleic acid detection assays, including sample extraction and purification, amplification, and detection[1].

REDx™ Influenza B Positive Control does not have an assigned value ("unassayed"). Laboratories are required to establish an acceptance range for each lot of REDx™ Influenza B 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™ Influenza B Positive Control is designed as an external independent sample for use with laboratory testing of Influenza B immunoassay and nucleic acid targets, according to ISO 15189 and CLIA regulations.

REAGENTS

Cat. No RED-14-01; 1 vial formulated with inactivated native Influenza B virus.

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™ Influenza B Positive Control DOES NOT HAVE AN ASSIGNED VALUE and may not be suitable for use with all Influenza viral 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™ Influenza B Positive Control might not be suitable for NATs without an extraction step.

WARNINGS AND PRECAUTIONS

For IVD use.

For Professional and Trained Laboratory Personnel Use Only

WARNING: Handle controls as if they are capable of transmitting infectious agents. REDx™ Influenza B Positive Control is manufactured from non-infectious cells that are grown in tissue culture and preserved in a buffered solution.

Safety Precautions

1. Raw material used for REDx™ Influenza B Positive Control is inactivated.
2. Use Centers for Disease Control and Prevention (CDC) recommended universal precautions for handling the samples and human specimens[4].
3. REDx™ Influenza B Positive Control must be disposed of by following RCRA ID#D001 guidelines for ignitable waste[5].
4. Do not pipette by mouth; do not smoke, eat or drink in areas where specimens are being handled. Clean any spillage by immediately wiping up with 0.5% sodium hypochlorite solution. Dispose of all specimens, controls, and materials used in testing as though they contain infectious agents.
5. Keep REDx™ Influenza B Positive Control vial closed when not in use. Avoid direct inhalation of the solution and use with ventilation.

HANDLING PRECAUTIONS

1. Do not use controls beyond the expiration date.
2. Avoid contamination of controls when opening and closing the vials.

STORAGE INSTRUCTIONS

Store REDx™ Influenza B Positive Control at 2-8°C until use.

Once opened, REDx™ Influenza B Positive Control should not be reused. Store the vials upright to prevent leakage.

MATERIALS PROVIDED

REDx™ Influenza B Positive Control – 1mL vial

MATERIALS REQUIRED, BUT NOT PROVIDED

Refer to the instructions supplied by the test kit manufacturer for guidance on how to use the REDx™ Influenza B Positive Control.

PROCEDURE

Before use, the REDx™ Influenza B Positive Control should be thoroughly mixed by vortexing for 30 seconds. When including the REDx™ Influenza B Positive Control in a test run, the exact same procedure for unknown specimens collected in a liquid-based transport medium or swab-based collection device must be used. Refer to the manufacturer's supplied instructions for use provided with the Influenza test kit.

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

Levels of reactivity of REDx™ Influenza B Positive Control may vary with different manufacturers' test kits and different kit lots. Since REDx™ Influenza B Positive Control does not have an assigned value, the laboratory must establish an acceptance range for each lot of REDx™ Influenza B Positive Control.

TROUBLESHOOTING

When REDx™ Influenza B 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. *Kinns 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.

MICROBIX

P/N RED-14-01.5R0
29 August, 2022

PHONE: 905.361.8910 FAX: 905.361.8911 Toll Free (US only): 800.794.6694 www.microbix.com

MICROBIX
265 Watline Ave.
Mississauga, ON
Canada L4Z 1P3
Tel. 905-361-8910
Fax 905-361-8911
microbix.com

RED™ FLOQ®

CERTIFICATE OF ANALYSIS

REDx™FLOQ® Influenza B Swab Positive Control

Product Information

Product Name	REDx™FLOQ® Influenza B Swab Positive Control
Catalogue Number	RED-S-14-01
Strain/Cell line	Influenza B/Hong Kong/5/72. ICTV 00.046.0.04.001
Lot number	14010042A3
Analyte Value	Unassayed. Value not assigned by the manufacturer
Product Description	Unassayed qualitative positive control for the detection of Influenza B virus.
Elution Volume	1-3 mL
Storage conditions	2-30°C
Expiry Date	12 Jun 2027
Intended Use	For *In vitro* Diagnostic Use.

Quality Control Information

Test method(s)	Cepheid Xpert® Xpress SARS-CoV-2/Flu/RSV Assay Quidel Sofia 2 SARS/Flu Assay BinaxNOW Influenza A+B Card
Test Result(s)	Observed Result
SARS-CoV-2	Negative
Influenza A	Negative
Influenza B	Positive
Respiratory Syncytial Virus (RSV)	Negative
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.

Microbix Biosystems Inc.
265 Watline Avenue
Mississauga, Ontario, L4Z 1P3

IVD CONTROL + REF LOT 2C 30C

Information

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

swab 06 PS

pouch 41 ALU

Quality Assurance Signature: **Date: 30 Jun 2026**