

Reliable quality controls

For your diagnostics



REDx™ (CE)

Ensuring the daily consistency of an analysis process. They serve as an aid to reliable patient results.

PROCEEDx™ (RUO)

Used for assay verification/validation, training, and R&D purposes.

ONBOARDx™ (RUO)

For assay verification/validation, instrument qualification and operator training. Consists of various PROCEEDx™ controls.

Quality controls from Microbix to support any laboratory

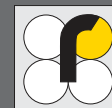
With the help of quality controls it is possible to find and correct errors in the analysis processes of a laboratory in time and thus to ensure the delivery of accurate results. The controls are included into the overall workflow in the same way as a patient sample, pass through all process steps, and thus indicate a possible deviation from the usual quality at an early stage if used regularly.

Microbix's Quality Assessment Products (QAPs) portfolio currently offers quality controls under the brands PROCEEDx™, ONBOARDx™ and REDx™, which can be used together with tests for molecular and immunological diagnosis of bacterial and viral diseases in the areas of respiratory infections, gastrointestinal infections and sexually transmitted diseases.

Product	Format	Test compatibility	Art. No.	
Respiratory infections			PROCEEDx™	REDx™ Controls
Adenovirus Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-15-01	
Adenovirus + Rotavirus Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-15-02	
Influenza A Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-13-01	
	Swab	Nucleic acid; Immunoassay	VP-S-13-01	
Influenza A + Adenovirus Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-13-04	
Influenza A + Rotavirus Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-13-05	
Influenza A + RSV Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-13-03	
Influenza A + B Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-13-02	
	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-14-01	
Influenza B Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-14-03	
	Swab	Nucleic acid; Immunoassay	VP-S-14-01	
Influenza B + Adenovirus Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-14-04	
Influenza B + Rotavirus Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-14-02	
Influenza B + RSV Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-10-M1	
Parainfluenza 3 Positive	Vial (1.0 ml)	Nucleic acid	VP-07-01	
RSV Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-07-02	
	Swab	Nucleic acid; Immunoassay	VP-S-07-01	
RSV + Adenovirus Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-07-03	
RSV + Rotavirus Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-99-M3	RED-99-M3
	Swab	Nucleic acid	VP-S-99-M4	RED-S-99-M4
SARS-CoV-2 Negative	Vial (0.5 ml)	Nucleic acid	VP-19-01	RED-19-01
	Swab	Nucleic acid	VP-S-19-01	RED-S-19-01
SARS-CoV-2 Positive	Vial (0.5 ml)	Nucleic acid	VP-19-02	RED-S-19-02
	Swab	Immunoassay	VP-S-19-02	RED-S-19-02
SARS-CoV-2 P.1 Swab Positive	Swab	Nucleic acid	VP-S-19-05	RED-S-19-05
SARS-CoV-2 B.1.1.7 Swab Positive	Swab	Nucleic acid	VP-S-19-03	RED-S-19-03
SARS-CoV-2 B.1.351 Swab Positive	Swab	Nucleic acid	VP-S-19-04	RED-S-19-04
SARS-CoV-2 B.1.617 Swab Positive	Swab	Nucleic acid	VP-S-19-06	RED-S-19-06
SARS-CoV-2 + Influenza A + Influenza B + RSV Positive	Swab	Nucleic acid	VP-S-19-M1	RED-S-19-M1
Respiratory Swab Negative Control	Swab	Nucleic acid; Immunoassay	VP-S-99-01	RED-S-99-01

* Products are compatible with nucleic acid tests by design and QC released only by immunological tests

Product	Format	Test compatibility	Kit components	Art. No.
Kompatibel für Molekulare Diagnostik				ONBOARDx™ Kit
SARS-CoV-2 Vial Kit 01	Vial (0.5 ml)	Nucleic acid	8 x SARS-CoV-2 Positive 4 x SARS-CoV-2 Negative	VP-K-CoV2-01
SARS-CoV-2 Swab Kit 01	Swab	Nucleic acid	8 x SARS-CoV-2 Positive 4 x SARS-CoV-2 Negative	VP-SK-CoV2-01
Respiratory Vial Kit	Vial (0.5 ml)*/(1.0 ml)	Nucleic acid	3 x SARS-CoV-2 Positive Sample* 3 x Influenza A Positive Sample 3 x Influenza B Positive Sample 3 x RSV Positive Sample	VP-K-RESP-01



SARS-CoV-2 Ag Swab Kit	Swab	Immunoassay	10 x SARS-CoV-2 Ag Positive swab 2 x Respiratory Negative swab	VP-SK-COV2AG-01
SARS-CoV-2 Ag Swab Kit B	Swab	Immunoassay	15 x Sars-CoV-2 AG Positive swab 5 x Respiratory Negative swab	VP-SK-COV2AG-02
Respiratory Swab Kit B	Swab	Immunoassay	5 x SARS-CoV-2 Ag Positive swab 5 x Influenza A Positive swab 5 x Influenza B Positive swab 5 x RSV Positive swab	VP-SK-RESPAG-02
SARS-CoV-2 Variant Swab Kit	Swab	Nucleic acid	3 x SARS-CoV-2 B.1.1.7 Positive 3 x SARS-CoV-2 B.1.351 Positive 3 x SARS-CoV-2 P.1 Positive 3 x SARS-CoV-2 WT Positive	VP-SK-CVAR-01
SARS-CoV-2 Variant Swab Kit 2	Swab	Nucleic acid	3 x SARS-CoV-2 B.1.1.7 Positive 3 x SARS-CoV-2 B.1.351 Positive 3 x SARS-CoV-2 P.1 Positive 3 x SARS-CoV-2 B.1.617 Positive 3 x SARS-CoV-2 WT Positive	VP-SK-CVAR-02
Respiratory Swab Kit	Swab	Nucleic acid	3 x SARS-CoV-2 Positive 3 x Influenza A Positive 3 x Influenza B Positive 3 x RSV Positive	VP-SK-RESP-01
FLU Swab Kit	Swab	Nucleic acid; Immunoassay	10 x Influenza A Positive swab 10 x Influenza B Positive swab 4 x Respiratory Negative swab	VP-SK-FLU-01
FLU Swab Kit	Swab	Nucleic acid; Immunoassay	20 x Influenza A Positive swab 20 x Influenza B Positive swab 8 x Respiratory Negative swab	VP-SK-FLU-02
RSV Swab Kit	Swab	Nucleic acid; Immunoassay	10 x RSV Positive swab 2 x Respiratory Negative swab	VP-SK-RSV-01
RSV Swab Kit	Swab	Nucleic acid; Immunoassay	20 x RSV Positive swab 4 x Respiratory Negative swab	VP-SK-RSV-02

Product	Format	Test compatibility	Art. No.	
Sexually transmitted infections			PROCEEDx™	REDx™ Controls
<i>Chlamydia trachomatis</i> Positive	Vial (1.0 ml)	Nucleic acid	VP-12-M1	
	Vial (1.0 ml)	Immunoassay	VP-12-01	
<i>Chlamydia trachomatis</i> + <i>Neisseria gonorrhoeae</i> Positive	Vial (1.0 ml)	Nucleic acid	VP-12-M2	
<i>Neisseria gonorrhoeae</i> Positive	Vial (1.0 ml)	Nucleic acid	VP-17-M1	
<i>Trichomonas vaginalis</i> Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-61-01	
<i>Mycoplasma genitalium</i>	Vial (1.0 ml)	Nucleic acid	VP-63-01	RED-63-01
<i>M. genitalium</i> A2059 Swab Positive	Swab	Nucleic acid	VP-S-63-02	RED-S-63-02
<i>M. genitalium</i> A2058G Swab Positive	Swab	Nucleic acid	VP-S-63-03	RED-S-63-03
<i>M. genitalium</i> A2059C Swab Positive	Swab	Nucleic acid	VP-S-63-04	RED-S-63-04
<i>M. genitalium</i> A2058T Swab Positive	Swab	Nucleic acid	VP-S-63-05	RED-S-63-05
<i>M. genitalium</i> A2058C Swab Positive	Swab	Nucleic acid	VP-S-63-06	RED-S-63-06
HPV 16 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-16	RED-62-16
HPV 18 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-18	RED-62-18
HPV 31 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-31	RED-62-31
HPV 33 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-33	RED-62-33
HPV 39 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-39	RED-62-39
HPV 45 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-45	RED-62-45
HPV 51 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-51	RED-62-51
HPV 52 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-52	RED-62-52
HPV 66 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-66	RED-62-66
HPV 67 Positive (hr Negative)	Vial (1.0 ml)	Nucleic acid	VP-62-67	RED-62-67
HPV 16/18/45 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-M1	RED-62-M1
HPV 31/33/66 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-M2	RED-62-M2
HPV 39/51/52 Positive	Vial (1.0 ml)	Nucleic acid	VP-62-M3	RED-62-M3

Continued from page 3

Product	Format	Test compatibility	Art. No.	
Sexually transmitted infections			PROCEEDx™	REDx™ Controls
HSV 1 Positive	Vial (1.0 ml)	Nucleic acid	VP-02-M1	
HSV 2 Positive	Vial (1.0 ml)	Nucleic acid	VP-23-M1	
HSV 1 & 2 Positive	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-02-M2	
HSV1&2/VZV/Syphilis Swab Positive	Control Swab	Nucleic acid	VP-S-03-M1	RED-S-03-M1
MDx Negative ¹	Vial (1.0 ml)	Nucleic acid	VP-99-M1	
STI Negative Control ²	Vial (1.0 ml)	Nucleic acid		RED-99-M1

¹ Negative for *Chlamydia trachomatis* and *Neisseria gonorrhoeae*

² Negative for HPV, *Mycoplasma genitalium*, *Trichomonas vaginalis* and *Neisseria gonorrhoeae*

Product	Format	Test compatibility	Art. No.	
Gastrointestinal infections			PROCEEDx™	REDx™ Controls
<i>Cryptosporidium parvum</i> Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-37-01	
<i>Giardia lamblia</i> Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-38-01	
<i>Cryptosporidium parvum</i> + <i>Giardia lamblia</i> Positive	Vial (1.0 ml)	Immunoassay	VP-37-02	
Rotavirus Positive	Vial (1.0 ml)	Nucleic acid*; Immunoassay	VP-35-01	
MDx Negative ³	Vial (1.0 ml)	Nucleic acid; Immunoassay	VP-99-01	

³ Negative for RSV, Influenza A/B, Adenovirus, Rotavirus and *Chlamydia trachomatis*

* Products are compatible with nucleic acid tests by design and QC released only by immunological tests

What are the special features of the Microbix controls?

- In clinically relevant matrix
- Produced from native pathogens when possible
- Very similar to patient samples
- Not infectious
- Cross-assay and cross-instrument compatible
- Applicable in conjunction with nucleic acid based and immunodiagnostic assays
- Positive and negative controls available
- Room temperature stability with the swab based QAPs
- Point-of-Care-Testing compatibility

Important information on handling Microbix controls

- Stable for up to two years
- Swabs and/or liquid aliquots (ready to use)
- Stored at 2 - 8 °C (vial) and 2 - 30 °C (swab)

