

## QAPs™ Product Lines

### RED<sup>®</sup> controls    RED<sup>®</sup>FLOQ<sup>®</sup>



**RED<sup>™</sup>** products are unassayed controls used for evaluating laboratory testing performance, procedures, and workflows.

**Certifications:**  
ISO 13485, IVD, CE

### PROCEED<sup>®</sup>    PROCEED<sup>®</sup>FLOQ<sup>®</sup>



**PROCEED<sup>™</sup>** products are used for assay verification/validation, training, and R&D purposes. Products are for RESEARCH USE ONLY!

**Certifications:**  
ISO 9001, ISO 13485

### ONBOARD<sup>®</sup> kit



**ONBOARD<sup>™</sup>** are all-encompassing sample kits for assay verification / validation, instrument qualification and operator training. Kits contain positive and negative samples from the PROCEED<sup>x</sup> product line. Products are for RESEARCH USE ONLY!

**Certifications:**  
ISO 9001, ISO 13485

## Designed with your lab in mind

*Evaluate laboratory testing performance, procedures, and daily workflow*

### Optimal results for laboratories performing high-multiplex PCR testing

- Research Labs
- Universities and training/teaching centers
- Institutions that perform clinical lab testing
  - Assessments
  - Routine device
  - Equipment performance
  - Validation and verification
  - Training of personnel
  - LDTs (Laboratory Developed Tests) and/or
  - IQCP (Individualized quality control plans)

### Why Choose Microbix's QAPs™?

- Easy-to-use and Cost-Effective
- Control can be run same as patient samples\*
- Compatible with immunoassays and nucleic acid assays
- Tested against leading commercially available assays
- Liquid ready-to-use
- Pathogens are inactivated and non-hazardous
- Stored at 2-8°C (vial) and 2-30°C (swab)
- Stable for up to 2 years
- Negative samples designed to meet molecular assay requirements

\*Manufactured from native pathogens or synthetic whole-genome materials to simulate patient samples.

SARS COMPLETE PANEL	PROCEEDx™	REDx™	COMPATIBILITY
<b>Single Analyte Products</b>			
SARS-CoV-2 Positive Sample	VP-19-01	RED-19-01	MDx
SARS-CoV-2 Positive Swab	VP-S-19-01	RED-S-19-01	MDx
Respiratory NAAT SARS-CoV-2 Positive Swab (Ultra Low)	VP-S-19-L1	-	MDx
SARS-CoV-2 Ag Positive Swab	VP-S-19-02	RED-S-19-02	Immuno
SARS-CoV-2 B.1.1.7 Positive Swab	VP-S-19-03	RED-S-19-03	MDx
SARS-CoV-2 B.1.351 Positive Swab	VP-S-19-04	RED-S-19-04	MDx
SARS-CoV-2 P.1 Positive Swab	VP-S-19-05	RED-S-19-05	MDx
SARS-CoV-2 B.1.617 Positive Swab	VP-S-19-06	RED-S-19-06	MDx
SARS-CoV-2 B.1.1.529 Positive Swab	VP-S-19-07	RED-S-19-07	MDx
<b>Multi-Analyte Products</b>			
SARS-CoV-2/FluA&B/RSV Positive Swab	VP-S-19-M1	RED-S-19-M1	MDx
Respiratory NAAT Influenza A & SARS-CoV-2 Positive Swab	VP-S-13-M4	RED-S-13-M4	MDx
Respiratory NAAT Influenza B & SARS-CoV-2 Positive Swab	VP-S-14-M3	RED-S-14-M3	MDx
Respiratory NAAT RSV & SARS-CoV-2 Positive Swab	VP-S-07-M2	RED-S-07-M2	MDx
RESPIRATORY VIRAL PANEL	PROCEEDx™	REDx™	COMPATIBILITY
<b>Single Analyte Products</b>			
Influenza A Positive Swab	VP-S-13-01	RED-S-13-01*	MDx, Immuno
Influenza A NAAT Positive Swab	VP-S-13-M1	RED-S-13-M1*	MDx
Influenza A NAAT Positive Swab (Low Level)	VP-S-13- M1L	RED-S-13- M1L*	MDx
Influenza A NAAT Positive Swab (Ultra Low)	VP-S-13-L1	-	MDx
Influenza B Positive Swab	VP-S-14-01	RED-S-14-01*	MDx, Immuno
Influenza B NAAT Positive Swab	VP-S-14-M1	RED-S-M1*	MDx
Influenza B NAAT Positive Swab (Low Level)	VP-S-14- M1L	RED-S-14- M1L*	MDx
Influenza B NAAT Positive Swab (Ultra Low)	VP-S-14-L1	-	MDx
RSV Positive Swab	VP-S-07-01	RED-S-07-01*	MDx, Immuno
RSV NAAT Positive Swab	VP-S-07-M1	RED-S-07-M1*	MDx
RSV NAAT Positive Swab (Low Level)	VP-S-07- M1L	RED-S-07- M1L*	MDx
Respiratory NAAT RSV Positive Swab (Ultra Low)	VP-S-07-L1	-	MDx
Influenza A Positive Sample	VP-13-01	RED-13-01*	MDx, Immuno
Influenza B Positive Sample	VP-14-01	RED-14-01*	MDx, Immuno
Respiratory Syncytial Virus (RSV) Positive Sample	VP-07-01	RED-07-01*	MDx, Immuno
Adenovirus Positive Sample	VP-15-01	-	MDx†, Immuno
Parainfluenza 3 Positive Sample	VP-10-M1	-	MDx
<b>Multi-Analyte Products</b>			
Respiratory NAAT Influenza A and Influenza B Positive Swab	VP-S-13-M2	RED-S-13-M2*	MDx
Respiratory NAAT Influenza A and RSV Positive Swab	VP-S-13-M3	RED-S-13-M3*	MDx
Respiratory NAAT Influenza A and SARS-CoV-2 Positive Swab	VP-S-13-M4	RED-S-13-M4*	MDx
Respiratory NAAT Influenza B and RSV Positive Swab	VP-S-14-M2	RED-S-14-M2*	MDx
Respiratory NAAT Influenza B and SARS-CoV-2 Positive Swab	VP-S-14-M3	RED-S-14-M3*	MDx
Respiratory NAAT RSV and SARS-CoV-2 Positive Swab	VP-S-07-M2	RED-S-07-M2*	MDx
Influenza A + B Positive Sample	VP-13-02	RED-13-02*	MDx, Immuno
Influenza A + RSV Positive Sample	VP-13-03	-	MDx, Immuno
Influenza A + Rotavirus Positive Sample	VP-13-05	-	MDx‡, Immuno
Influenza A + Adenovirus Positive Sample	VP-13-04	-	MDx‡, Immuno
Influenza B + RSV Positive Sample	VP-14-02	-	-
Influenza B + Rotavirus Positive Sample	VP-14-04	-	MDx‡, Immuno
Influenza B + Adenovirus Positive Sample	VP-14-03	-	MDx‡, Immuno
Adenovirus + RSV Positive Sample	VP-07-02	-	MDx‡, Immuno
RSV+ Rotavirus Positive Sample	VP-07-03	-	MDx‡, Immuno
Adenovirus + Rotavirus Sample	VP-15-02	-	MDx‡, Immuno
RESPIRATORY BACTERIAL PANEL	PROCEEDx™	REDx™	COMPATIBILITY
<b>Single Analyte Products</b>			
Group A Streptococcus Positive Swab (M1) Low Level	VP-S-70-M1	RED-S-70-M1*	MDx
Group A Streptococcus Positive Swab (M2) Medium Level	VP-S-70-M2	RED-S-70-M2*	MDx
Group A Streptococcus Positive Swab High Level	VP-S-70-01	RED-S-70-01*	Immuno

GASTROINTESTINAL PANEL	PROCEEDx™	REDx™	COMPATIBILITY
<b>Single Analyte Products</b>			
<i>C. difficile</i> GDH Positive Swab	VP-S-39-01	-	Immuno
<i>C. difficile</i> GDH/Toxin A/ Toxin B Positive Swab	VP-S-39-02	-	Immuno
Campylobacter OMP Positive Swab	VP-S-40-01	-	Immuno
<i>H. pylori</i> Positive Swab	VP-S-27-01	Coming soon	Immuno
<i>Cryptosporidium parvum</i> Positive Sample	VP-37-01	RED-37-01*	MDx‡, Immuno
<i>Giardia lamblia</i> Positive Sample	VP-38-01	RED-38-01*	MDx‡, Immuno
Rotavirus Positive Sample	VP-35-01	RED-35-01*	MDx‡, Immuno
<b>Multi-Analyte Products</b>			
<i>Cryptosporidium parvum</i> + <i>Giardia lamblia</i> Positive Sample	VP-37-02	RED-37-02*	MDx‡, Immuno



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HPV PANEL	PROCEEDx™	REDx™	COMPATIBILITY
<b>Single-Analyte Products</b>			
HPV 16 Positive Sample	VP-62-16	RED-62-16	MDx
HPV 18 Positive Sample	VP-62-18	RED-62-18	MDx
HPV 31 Positive Sample	VP-62-31	RED-62-31	MDx
HPV 33 Positive Sample	VP-62-33	RED-62-33	MDx
HPV 39 Positive Sample	VP-62-39	RED-62-39	MDx
HPV 45 Positive Sample	VP-62-45	RED-62-45	MDx
HPV 51 Positive Sample	VP-62-51	RED-62-51	MDx
HPV 52 Positive Sample	VP-62-52	RED-62-52	MDx
HPV 66 Positive Sample	VP-62-66	RED-62-66	MDx
HPV 16 Positive Swab	VP-S-62-16	Coming soon	MDx
HPV 18 Positive Swab	VP-S-62-18	Coming soon	MDx
HPV 45 Positive Swab	VP-S-62-45	Coming soon	MDx
<b>Multi-Analyte Products</b>			
HPV 16/18/45 Positive Sample	VP-62-M1	RED-62-M1	MDx
HPV 31/33/66 Positive Sample	VP-62-M2	RED-62-M2	MDx
HPV 39/51/52 Positive Sample	VP-62-M3	RED-62-M3	MDx
HPV 16/18/45 Positive Swab	VP-S-62-M1	Coming soon	MDx

GENITAL ULCER DISEASE PANEL	PROCEEDx™	REDx™	COMPATIBILITY
<b>Single Analyte Products</b>			
HSV 1 Positive Swab	VP-S-02-01	RED-S-02-01†	MDx, IMMUNO†
HSV 1 Positive Swab (Low Level)	VP-S-02-L1	-	MDx
HSV 2 Positive Swab	VP-S-23-01	RED-S-23-01†	MDx, IMMUNO†
HSV 2 Positive Swab (Low Level)	VP-S-23-L1	-	MDx
<i>T. pallidum</i> Positive Swab	VP-S-80-01	RED-S-80-01†	MDx
<i>T. pallidum</i> 47kDa Positive Swab	VP-S-80-02	-	MDx
Varicella Zoster Virus Positive Swab	VP-S-03-01	RED-S-03-01†	MDx, IMMUNO†
Varicella Zoster Virus Positive Swab (Low Level)	VP-S-03-L1	-	MDx
Monkeypox West African Positive Swab	VP-S-81-02	Coming soon	MDx
<b>Multi-Analyte Products</b>			
HSV 1 and HSV 2 Positive Swab	VP-S-02-M2	RED-S-02-M2*	MDx, IMMUNO†
HSV 1 and VZV Positive Swab	VP-S-02-M3	RED-S-02-M3*	MDx, IMMUNO†
HSV 1 and <i>T. pallidum</i> Positive Swab	VP-S-02-M4	RED-S-02-M4*	MDx
HSV 2 and VZV Positive Swab	VP-S-23-M2	RED-S-23-M2*	MDx, IMMUNO†
HSV 2 and <i>T. pallidum</i> Positive Swab	VP-S-23-M3	RED-S-23-M3*	MDx
<i>T. pallidum</i> and VZV Positive Swab	VP-S-80-M2	RED-S-80-M2*	MDx
HSV1 / HSV2 / VZV Positive Swab	VP-S-02-M5	RED-S-02-M5*	MDx, IMMUNO†
HSV1 & 2 / VZV / <i>T. pallidum</i> Positive Swab	VP-S-03-M1	RED-S-03-M1	MDx

STI PANEL	PROCEEDx™	REDx™	COMPATIBILITY
<b>Single Analyte Products</b>			
<i>Chlamydia trachomatis</i> Positive Sample (MDx)	VP-12-M1	RED-12-M1*	MDx
<i>Chlamydia trachomatis</i> Positive Sample	VP-12-01	RED-12-01*	MDx, Immuno
<i>Neisseria gonorrhoeae</i> Positive Sample	VP-17-M1	RED-17-M1*	MDx
<i>Trichomonas vaginalis</i> Positive Sample	VP-61-01	RED-61-01*	MDx Immuno
<i>Trichomonas vaginalis</i> Positive Sample (MDx)	VP-61-02	-	MDx
<i>Mycoplasma genitalium</i> Positive Sample	VP-63-01	RED-63-01	MDx
<i>Chlamydia trachomatis</i> Positive Swab	VP-S-12-M1	RED-S-12-M1*	MDx
<i>Neisseria gonorrhoeae</i> Positive Swab	VP-S-17-M1	RED-S-17-M1*	MDx
<i>Trichomonas vaginalis</i> Positive Swab	VP-S-61-M1	RED-S-61-M1*	MDx
<i>Mycoplasma genitalium</i> Positive Swab	VP-S-63-M1	RED-S-63-M1*	MDx
<i>M. genitalium</i> A2059G Positive Swab	VP-S-63-02	RED-S-63-02	MDx
<i>M. genitalium</i> A2058G Positive Swab	VP-S-63-03	RED-S-63-03	MDx
<i>M. genitalium</i> A2059C Positive Swab	VP-S-63-04	RED-S-63-04	MDx
<i>M. genitalium</i> A2058T Positive Swab	VP-S-63-05	RED-S-63-05	MDx
<i>M. genitalium</i> A2058C Positive Swab	VP-S-63-06	RED-S-63-06	MDx
<b>Multi-Analyte Products</b>			
<i>Chlamydia trachomatis</i> + <i>Neisseria gonorrhoeae</i> Positive Sample	VP-12-M2	RED-12-M2*	MDx
<i>Chlamydia trachomatis</i> + <i>Neisseria gonorrhoeae</i> Positive Swab	VP-S-12-M2	RED-S-12-M2*	MDx
<i>Trichomonas vaginalis</i> + <i>Mycoplasma genitalium</i> Positive Swab	VP-S-61-M2	RED-S-61-M2*	MDx
CT/NG/TV Positive Swab	VP-S-12-M4	RED-S-12-M4*	MDx
CT/NG/TV/MG Positive Swab	VP-S-12-M5	RED-S-12-M5*	MDx

NEGATIVE PRODUCTS	PROCEEDx™	REDx™	COMPATIBILITY
SARS-CoV-2 Negative Sample	VP-99-M3	RED-99-M3	MDx
SARS-CoV-2 Negative Swab (IVD) NAAT Negative Swab (RUO)	VP-S-99-M4	RED-S-99-M4	MDx
Respiratory Negative Swab (IVD) Negative Swab (RUO)	VP-S-99-01	RED-S-99-01	Immuno
Negative Sample	VP-99-01	-	Immuno
Negative Sample (MDx)	VP-99-M2	-	MDx, Immuno
STI Negative Sample (IVD) Negative Sample (RUO)	VP-99-M1	RED-99-M1	MDx

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KIT CATALOGUE NUMBER	KIT COMPONENTS	COMPATIBILITY
ONBOARDx™ SARS-CoV-2 Kit <b>VP-K-COV2-01</b>	PROCEEDx™ SARS-CoV-2 Positive (0.5ml) vial <b>x8</b> PROCEEDx™ SARS-CoV-2 Negative (0.5ml) vial <b>x4</b>	MDx
ONBOARDx™ FLOQ® SARS-COV-2 Swab Kit <b>VP-SK-COV2-01</b>	PROCEEDx™ FLOQ® SARS-COV-2 Positive swab <b>x8</b> PROCEEDx™ FLOQ® NAAT Negative Swab <b>x4</b>	MDx
ONBOARDx™ FLOQ® SARS-CoV-2 Variant Swab Kit <b>VP-SK-CVAR-01</b>	PROCEEDx™ FLOQ® SARS-COV-2 B.1.1.7 Positive swab <b>x3</b> PROCEEDx™ FLOQ® SARS-COV-2 B.1.351 Positive swab <b>x3</b> PROCEEDx™ FLOQ® SARS-COV-2 P.1 Positive swab <b>x3</b> PROCEEDx™ FLOQ® SARS-COV-2 Positive swab <b>x3</b>	MDx
ONBOARDx™ FLOQ® SARS-CoV-2 Variant Swab Kit <b>VP-SK-CVAR-02</b>	PROCEEDx™ FLOQ® SARS-COV-2 B.1.1.7 Positive swab <b>x3</b> PROCEEDx™ FLOQ® SARS-COV-2 B.1.351 Positive swab <b>x3</b> PROCEEDx™ FLOQ® SARS-COV-2 P.1 Positive swab <b>x3</b> PROCEEDx™ FLOQ® SARS-COV-2 B.1.617 Positive swab <b>x3</b> PROCEEDx™ FLOQ® SARS-COV-2 Positive swab <b>x3</b>	MDx
ONBOARDx™ FLOQ® SARS-CoV-2 Antigen Swab Kit <b>VP-SK-COV2AG-01</b>	PROCEEDx™ FLOQ® SARS-COV-2 Antigen Positive swab <b>x10</b> PROCEEDx™ FLOQ® Negative swab <b>x2</b>	Immuno
ONBOARDx™ FLOQ® SARS-CoV-2 Antigen Swab Kit <b>VP-SK-COV2AG-02</b>	PROCEEDx™ FLOQ® SARS-COV-2 Antigen Positive swab <b>x15</b> PROCEEDx™ FLOQ® Negative swab <b>x5</b>	Immuno
ONBOARDx™ Respiratory Kit <b>VP-K-RESP-01</b>	PROCEEDx™ SARS-CoV-2 Positive (0.5ml) vial <b>x3</b> PROCEEDx™ Influenza A Positive (1 ml) vial <b>x3</b> PROCEEDx™ Influenza B Positive (1 ml) vial <b>x3</b> PROCEEDx™ RSV Positive (1 ml) vial <b>x3</b>	MDx
ONBOARDx™ FLOQ® Respiratory Swab Kit <b>VP-SK-RESP-01</b>	PROCEEDx™ FLOQ® SARS-CoV-2 Positive swab <b>x3</b> PROCEEDx™ FLOQ® Influenza A Positive swab <b>x3</b> PROCEEDx™ FLOQ® Influenza B Positive swab <b>x3</b> PROCEEDx™ FLOQ® RSV Positive swab <b>x3</b>	MDx
ONBOARDx™ FLOQ® RESPIRATORY Swab Kit <b>VP-SK-RESPAG-02</b>	PROCEEDx™ FLOQ® SARS-CoV-2 Antigen Positive swab <b>x5</b> PROCEEDx™ FLOQ® Influenza A Positive swab <b>x5</b> PROCEEDx™ FLOQ® Influenza B Positive swab <b>x5</b> PROCEEDx™ FLOQ® RSV Positive swab <b>x5</b>	Immuno
ONBOARDx™ FLOQ® FLU Swab Kit <b>VP-SK-FLU-01</b>	PROCEEDx™ FLOQ® Influenza A Positive swab <b>x10</b> PROCEEDx™ FLOQ® Influenza B Positive swab <b>x10</b> PROCEEDx™ FLOQ® Negative swab <b>x4</b>	MDx, Immuno
ONBOARDx™ FLOQ® RVP Swab Kit <b>VP-SK-RVP-01</b>	PROCEEDx™ FLOQ® SARS-CoV-2/Flu A&B/RSV Positive swab <b>x8</b> PROCEEDx™ FLOQ® Negative swab <b>x16</b>	MDx
ONBOARDx™ FLOQ® RVP Swab Kit <b>VP-SK-RVP-02</b>	PROCEEDx™ FLOQ® Respiratory NAAT SARS-CoV-2 Positive <b>x5</b> (Ultra Low) PROCEEDx™ FLOQ® Respiratory NAAT RSV Positive swab <b>x5</b> (Ultra Low) PROCEEDx™ FLOQ® Respiratory NAAT Influenza A Positive <b>x5</b> swab (Ultra Low) PROCEEDx™ FLOQ® Respiratory NAAT Influenza B Positive <b>x5</b> swab (Ultra Low) PROCEEDx™ FLOQ® NAAT Swab Negative Sample <b>x4</b>	MDx
ONBOARDx™ FLOQ® RSV Swab Kit <b>VP-SK-RSV-01</b>	PROCEEDx™ FLOQ® RSV Positive swab <b>x10</b> PROCEEDx™ FLOQ® Negative swab <b>x2</b>	MDx, Immuno
ONBOARDx™ FLOQ® RSV Swab Kit <b>VP-SK-RSV-02</b>	PROCEEDx™ FLOQ® RSV Positive swab <b>x20</b> PROCEEDx™ FLOQ® Negative swab <b>x4</b>	MDx, Immuno
ONBOARDx™ High-Risk HPV Kit <b>VP-K-HPV-02</b>	PROCEEDx™ HPV16/18/45 Positive Sample (1ml) Vial <b>x3</b> PROCEEDx™ HPV 39/51/52 Positive Sample (1ml) Vial <b>x3</b> PROCEEDx™ HPV 31/33/66 Positive Sample (1ml) Vial <b>x3</b>	MDx
ONBOARDx™ HPV Positive Sample Kit <b>VP-K-HPV-04</b>	PROCEEDx™ HPV 16 Positive Sample (1ml) Vial <b>x3</b> PROCEEDx™ HPV 18 Positive Sample (1ml) Vial <b>x3</b> PROCEEDx™ HPV 45 Positive Sample (1ml) Vial <b>x3</b> PROCEEDx™ HPV Negative Sample (1 ml) Vial <b>x3</b>	MDx

FLOQ® is a registered trademark of Copan Italia spa



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