

## QAPs™ Product Lines



**Description:** REDx™ products are unassayed controls used for evaluating laboratory testing performance, procedures, and workflows

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

RED™ controls  
RED™ FLOQ®



**Description:** PROCEEDx™ products are used for assay verification/validation, training, and R&D purposes. Products are for RESEARCH USE ONLY!

**Certifications:** ISO 9001, ISO 13485

PROCEED™  
PROCEED™ FLOQ®



**Description:** PTDx™ products are used as challenge samples in laboratory proficiency testing (PT) and external quality assessment (EQA) programs.

**Certifications:** ISO 9001, ISO 13485

PTD™



**Description:** ONBOARDx™ are all-encompassing sample kits for assay verification/validation, instrument qualification and operator training. Kits contain positive and negative samples from the PROCEEDx product line. Products are for RESEARCH USE ONLY!

**Certifications:** ISO 9001, ISO 13485

ONBOARD™ kit

## Why Choose Microbix's QAPs™?

- Manufactured from native pathogens or synthetic whole-genome materials to simulate patient samples
- Pathogens are inactivated and non-hazardous
- Available as liquid and swab (Copan FLOQSwab®)
- Stored at 2-8°C (vial) and 2-30°C (Copan FLOQSwab®)
- Stable for up to 2 years
- Compatible with immunoassays and nucleic acid assays
- Cross-platform compatible; Verified performance against leading IVD assays
- Negative samples designed to meet molecular assay requirements

## Copan Partnership



Product Name	Catalogue Number			Assay compatibility
	PTD <sup>3</sup>	PROCEED <sup>3</sup>	RED <sup>3</sup> controls	
SARS Complete Panel				
Single Analyte Products				
SARS-CoV-2 Positive	PT-19-01	VP-19-01	RED-19-01	MDx
SARS-CoV-2 Positive Swab	PT-S-19-01	VP-S-19-01	RED-S-19-01	MDx
SARS-CoV-2 Ag Positive Swab	PT-S-19-02	VP-S-19-02	RED-S-19-02	Immuno
SARS-CoV-2 B.1.1.7 Positive Swab	PT-S-19-03	VP-S-19-03	RED-S-19-03	MDx
SARS-CoV-2 B.1.351 Positive Swab	PT-S-19-04	VP-S-19-04	RED-S-19-04	MDx
SARS-COV-2 P.1 Positive Swab	PT-S-19-05	VP-S-19-05	RED-S-19-05	MDx
SARS-CoV-2 B.1.617 Positive Swab	PT-S-19-06	VP-S-19-06	RED-S-19-06	MDx
SARS-CoV-2 B.1.1.529 Positive Swab	PT-S-19-07	VP-S-19-07	RED-S-19-07	MDx
Multiple Analyte Products				
SARS-CoV-2/FluA&B/RSV Positive Swab	PT-S-19-M1	VP-S-19-M1	RED-S-19-M1	MDx
Negative Products				
SARS-CoV-2 Negative	PT-99-M3	VP-99-M3	RED-99-M3	MDx
SARS-CoV-2 Negative Swab (REDx <sup>TM</sup> FLOQ®)	PT-S-99-M4	VP-S-99-M4	RED-S-99-M4	MDx
NAAT Negative Swab (PTDx <sup>TM</sup> & PROCEEDx <sup>TM</sup> FLOQ®)				
Respiratory Negative Swab (REDx <sup>TM</sup> FLOQ®)	PT-S-99-01	VP-S-99-01	RED-S-99-01	Immuno
Negative Swab (PTDx <sup>TM</sup> & PROCEEDx <sup>TM</sup> FLOQ®)				
Respiratory Viral Panel				
Single Analyte Products				
Influenza A Positive	PT-13-01	VP-13-01	RED-13-01 <sup>1</sup>	MDx, Immuno
Influenza A Positive Swab	PT-S-13-01	VP-S-13-01	RED-S-13-01 <sup>1</sup>	MDx, Immuno
Influenza A Positive Swab (NAAT)	PT-S-13-M1	Coming soon	Coming soon	MDx
Influenza B Positive	PT-14-01	VP-14-01	RED-14-01 <sup>1</sup>	MDx, Immuno
Influenza B Positive Swab	PT-S-14-01	VP-S-14-01	RED-S-14-01 <sup>1</sup>	MDx, Immuno
Influenza B Positive Swab (NAAT)	PT-S-14-M1	Coming soon	Coming soon	MDx
RSV Positive	PT-07-01	VP-07-01	RED-07-01 <sup>1</sup>	MDx, Immuno
RSV Positive Swab	PT-S-07-01	VP-S-07-01	RED-S-07-01 <sup>1</sup>	MDx, Immuno
RSV Positive Swab (NAAT)	PT-S-07-M1	Coming soon	Coming soon	MDx
Adenovirus Positive	PT-15-01 <sup>2</sup>	VP-15-01 <sup>2</sup>	Coming soon	MDx, Immuno
Parainfluenza 3 Positive	PT-10-M1	VP-10-M1	Coming soon	MDx
Multiple Analyte Products				
Influenza A + B Positive	PT-13-02	VP-13-02	RED-13-02 <sup>1</sup>	MDx, Immuno
Influenza A + RSV Positive	PT-13-03	VP-13-03	Coming soon	MDx, Immuno
Influenza A + Rotavirus Positive	PT-13-05 <sup>2</sup>	VP-13-05 <sup>2</sup>	Coming soon	MDx, Immuno
Influenza A + Adenovirus Positive	PT-13-04 <sup>2</sup>	VP-13-04 <sup>2</sup>	Coming soon	MDx, Immuno
Influenza B + RSV Positive	PT-14-02	VP-14-02	Coming soon	MDx, Immuno
Influenza B + Rotavirus Positive	PT-14-04 <sup>2</sup>	VP-14-04 <sup>2</sup>	Coming soon	MDx, Immuno
Influenza B + Adenovirus Positive	PT-14-03 <sup>2</sup>	VP-14-03 <sup>2</sup>	Coming soon	MDx, Immuno
Adenovirus + RSV Positive	PT-07-02 <sup>2</sup>	VP-07-02 <sup>2</sup>	Coming soon	MDx, Immuno
Adenovirus + Rotavirus	PT-15-02 <sup>2</sup>	VP-15-02 <sup>2</sup>	Coming soon	MDx, Immuno
RSV + Rotavirus Positive	PT-07-03 <sup>2</sup>	VP-07-03 <sup>2</sup>	Coming soon	MDx, Immuno
Negative Products				
Respiratory Negative Swab (REDx <sup>TM</sup> FLOQ®)	PT-S-99-01	VP-S-99-01	RED-S-99-01	Immuno
Negative Swab (PTDx <sup>TM</sup> & PROCEEDx <sup>TM</sup> FLOQ®)				
Negative Sample	PT-99-01	VP-99-01	Coming soon	MDx, Immuno
Respiratory Bacterial Panel				
Single Analyte Products				
Group A Streptococcus Positive Swab (M1)	Coming soon	Coming soon	Coming soon	MDx, Immuno
Group A Streptococcus Positive Swab (M2)	Coming soon	Coming soon	Coming soon	MDx, Immuno
Group A Streptococcus Positive Swab (L1)	Coming soon	Coming soon	Coming soon	Immuno
Group A Streptococcus Positive Swab (L2)	Coming soon	Coming soon	Coming soon	Immuno
<sup>1</sup> Products are only for sale in Canada and United States				
<sup>2</sup> Products are QC- released with immunoassays but also compatible with molecular assays.				
<sup>3</sup> Registration in process: Coming soon				

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HPV Panel				
Single Analyte Products				
HPV 16 Positive	PT-62-16	VP-62-16	RED-62-16	MDx
HPV 18 Positive	PT-62-18	VP-62-18	RED-62-18	MDx
HPV 31 Positive	PT-62-31	VP-62-31	RED-62-31	MDx
HPV 33 Positive	PT-62-33	VP-62-33	RED-62-33	MDx
HPV 39 Positive	PT-62-39	VP-62-39	RED-62-39	MDx
HPV 45 Positive	PT-62-45	VP-62-45	RED-62-45	MDx
HPV 51 Positive	PT-62-51	VP-62-51	RED-62-51	MDx
HPV 52 Positive	PT-62-52	VP-62-52	RED-62-52	MDx
HPV 66 Positive	PT-62-66	VP-62-66	RED-62-66	MDx
High-risk HPV Negative (HPV 67)	PT-62-67	VP-62-67	RED-62-67	MDx
HPV 16 Positive Swab	Coming soon	Coming soon	Coming soon	MDx
HPV 18 Positive Swab	Coming soon	Coming soon	Coming soon	MDx
HPV 45 Positive Swab	Coming soon	Coming soon	Coming soon	MDx
Multiple Analyte Products				
HPV 16/18/45 Positive	PT-62-M1	VP-62-M1	RED-62-M1	MDx
HPV 31/33/66 Positive	PT-62-M2	VP-62-M2	RED-62-M2	MDx
HPV 39/51/52 Positive	PT-62-M3	VP-62-M3	RED-62-M3	MDx
HPV 16/18/45 Positive Swab	Coming soon	Coming soon	Coming soon	MDx
Negative Analyte Products				
STI Negative	PT-99-M1	VP-99-M1	RED-99-M1	MDx
Genital Ulcer Disease Panel				
Single Analyte Products				
HSV 1 Positive	PT-02-M1 <sup>3</sup>	VP-02-M1 <sup>3</sup>	RED-02-M1 <sup>1,3</sup>	MDx, Immuno
HSV 2 Positive	PT-23-M1 <sup>3</sup>	VP-23-M1 <sup>3</sup>	RED-23-M1 <sup>1,3</sup>	MDx, Immuno
HSV 1 Positive Swab	PT-S-02-01 <sup>3</sup>	Coming soon	Coming soon	MDx, Immuno
HSV 2 Positive Swab	PT-S-23-01 <sup>3</sup>	Coming soon	Coming soon	MDx, Immuno
<i>T. pallidum</i> Positive Swab	PT-S-80-01	Coming soon	Coming soon	MDx
Varicella Zoster Virus Positive Swab	PT-S-03-01 <sup>3</sup>	Coming soon	Coming soon	MDx, Immuno
Monkeypox Congo Basin Positive Swab	Coming soon	Coming soon	Coming soon	MDx
Monkeypox West African Positive swab	Coming soon	Coming soon	Coming soon	MDx
Multiple Analyte Products				
HSV1&2/VZV/Syphilis Positive Swab	PT-S-03-M1	VP-S-03-M1	RED-S-03-M1	MDx
HSV 1 + HSV 2 Positive	PT-02-M2 <sup>3</sup>	VP-02-M2 <sup>3</sup>	Coming soon	MDx, Immuno
STI Panel				
Single Analyte Products				
Chlamydia trachomatis Positive (MDx)	PT-12-M1	VP-12-M1	RED-12-M1 <sup>1</sup>	MDx
Chlamydia trachomatis Positive	PT-12-01	VP-12-01	RED-12-01 <sup>1</sup>	MDx, Immuno
Neisseria gonorrhoeae Positive	PT-17-M1	VP-17-M1	RED-17-M1 <sup>1</sup>	MDx
Trichomonas vaginalis Positive	PT-61-01	VP-61-01	RED-61-01 <sup>1</sup>	MDx, Immuno
Trichomonas vaginalis Positive	PT-61-02	VP-61-02	Coming soon	MDx
<i>M. genitalium</i> Positive	PT-63-01	VP-63-01	RED-63-01	MDx
<i>M. genitalium</i> A2059G Positive Swab	PT-S-63-02	VP-S-63-02	RED-S-63-02 <sup>4</sup>	MDx
<i>M. genitalium</i> A2058G Positive Swab	PT-S-63-03	VP-S-63-03	RED-S-63-03	MDx
<i>M. genitalium</i> A2059C Positive Swab	PT-S-63-04	VP-S-63-04	RED-S-63-04 <sup>4</sup>	MDx
<i>M. genitalium</i> A2058T Positive Swab	PT-S-63-05	VP-S-63-05	RED-S-63-05 <sup>4</sup>	MDx
<i>M. genitalium</i> A2058C Positive Swab	PT-S-63-06	VP-S-63-06	RED-S-63-06 <sup>4</sup>	MDx
Multiple Analyte Products				
Chlamydia trachomatis + Neisseria gonorrhoeae Positive	PT-12-M2	VP-12-M2	RED-12-M2 <sup>1</sup>	MDx
CT/NG/TV/MG Positive Swab	PT-S-12-M3	VP-S-12-M3	Coming soon	MDx
Negative Products				
STI Negative	PT-99-M1	VP-99-M1	RED-99-M1	MDx
Gastrointestinal Panel				
Single Analyte Products				
Cryptosporidium parvum Positive	PT-37-01 <sup>2</sup>	VP-37-01 <sup>2</sup>	RED-37-01 <sup>1,2</sup>	MDx, Immuno
Giardia lamblia Positive	PT-38-01 <sup>2</sup>	VP-38-01 <sup>2</sup>	RED-38-01 <sup>1,2</sup>	MDx, Immuno
Rotavirus Positive	PT-35-01 <sup>2</sup>	VP-35-01 <sup>2</sup>	RED-35-01 <sup>1,2</sup>	MDx, Immuno
<i>C. difficile</i> GDH Positive Swab	PT-S-39-01	VP-S-39-01	Coming soon	Immuno
<i>C. difficile</i> GDH/Toxin A/ Toxin B Positive Swab	PT-S-39-02	VP-S-39-02	Coming soon	Immuno
Campylobacter OMP Positive Swab	PT-S-40-01	VP-S-40-01	Coming soon	Immuno
Multiple Analyte Products				
Cryptosporidium parvum + Giardia lamblia Positive	PT-37-02 <sup>2</sup>	VP-37-02 <sup>2</sup>	RED-37-02 <sup>1,2</sup>	MDx, Immuno
Negative Products				
Negative Sample	PT-99-01	VP-99-01	Coming soon	MDx, Immuno

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Kit Catalogue Number	Kit Components <b>ONBOARD<sup>™</sup></b> kit	Assay 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® SARS-COV-2 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® SARS-COV-2 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® SARS-COV-2 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>10</b> PROCEEDx™ FLOQ® Respiratory 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® Respiratory Negative swab <b>x16</b>	MDx
ONBOARDx™ FLOQ® RSV Swab Kit <b>VP-SK-RSV-01</b>	PROCEEDx™ FLOQ® RSV Positive swab <b>x10</b> PROCEEDx™ FLOQ® Respiratory 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® Respiratory 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 31/33/66 Positive Sample (1mL) Vial <b>x3</b> PROCEEDx™ HPV 39/51/52 Positive Sample (1mL) Vial <b>x3</b>	MDx
ONBOARDx™ HPV Kit 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 (1mL) Vial <b>x3</b>	MDx

FLOQ® is a registered trademark of Copan Italia spa

