

Microbix Quality Assessment Products (QAPs™) are whole-process, external quality controls that are designed to resemble patient specimens. These products are formulated with native pathogens or protected synthetic whole-genome targets that are inactivated to meet clinical laboratory biosafety requirements. Microbix external quality controls monitor the entire diagnostic workflow, including

preanalytical patient sample collection and processing steps, lysis, extraction, and purification (if applicable), target detection, and analysis. All products are commutable, cross-platform compatible, and have verified performance on leading IVD assays. Microbix offers swab-based and liquid-based QAPs™ formats to meet a variety of end-user needs.



Properties of Swab QAPs™

- Optimal for Point of Care (POC) near-patient testing workflows
- Stable for up to 2 years when stored at 2-30°C
- Desiccated on a Copan FLOQSwab®
- Can be eluted in your choice of media
- Preferable storage conditions for distribution/supply chain logistics
- Excellent lot-to-lot reproducibility

Properties of Liquid QAPs™

- Optimal for high-throughput central laboratory workflows
- Stable for up to 2 years when stored at 2-8°C
- Volume: 0.5 -1.0mL
- Excellent lot-to-lot reproducibility and homogeneity

Maximize your UP TIME!
our controls help detect workflow performance issues before they affect your results



AT THE CORE OF QUALITY

QAPs™ Product Lines Intended Use



RED[®] controls RED[®]FLOQ[™]



REDx™ products are unassayed controls that can be used for ongoing external quality control, benchmarking laboratory testing performance, operator training & competency, and end-to-end workflow evaluation.

PROCEED[®] PROCEED[®]FLOQ[™]



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

PTD[®]



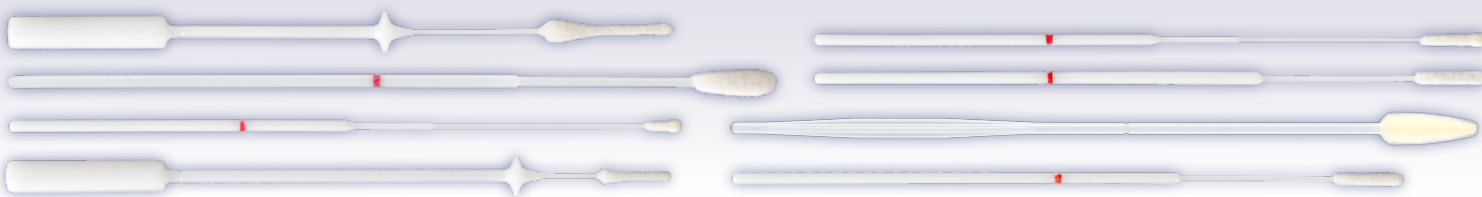
PTDx™ products are used as challenge samples in laboratory Proficiency Testing and External Quality Assessment programs.

ONBOARD[®] kit



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!**

Copan Partnership



PANEL 5: Genital Ulcer Disease Panel



Genital Ulcer Disease Swab QAPs™

» Stable for up to 2 years when stored at 2-30°C

Products	PTDx™	PROCEEDx™ FLOQ®	REDx™ FLOQ®	Assay Compatibility
Single-Target Products				
HSV 1 Positive Swab	PT-S-02-01	VP-S-02-01	RED-S-02-01 ¹	MDx
HSV 1 Positive Swab (Low Level)	PT-S-02-L1	VP-S-02-L1	–	MDx
HSV 2 Positive Swab	PT-S-23-01	VP-S-23-01	RED-S-23-01 ¹	MDx
HSV 2 Positive Swab (Low Level)	PT-S-23-L1	VP-S-23-L1	–	MDx
<i>T. pallidum</i> Positive Swab	PT-S-80-01	VP-S-80-01	RED-S-80-01 ¹	MDx
<i>T. pallidum</i> 47kDa Positive Swab	PT-S-80-02	VP-S-80-02	–	MDx
Varicella Zoster Virus Positive Swab	PT-S-03-01	VP-S-03-01	RED-S-03-01 ¹	MDx
Varicella Zoster Virus Positive Swab (Low Level)	PT-S-03-L1	VP-S-03-L1	–	MDx
Monkeypox West African Positive Swab	PT-S-81-02	VP-S-81-02	Coming soon	MDx
Multi-Target Products				
HSV 1 and HSV 2 Positive Swab	PT-S-02-M2	VP-S-02-M2	RED-S-02-M2 ¹	MDx
HSV 1 and VZV Positive Swab	PT-S-02-M3	VP-S-02-M3	RED-S-02-M3 ¹	MDx
HSV 1 and <i>T. pallidum</i> Positive Swab	PT-S-02-M4	VP-S-02-M4	RED-S-02-M4 ¹	MDx
HSV 2 and VZV Positive Swab	PT-S-23-M2	VP-S-23-M2	RED-S-23-M2 ¹	MDx
HSV 2 and <i>T. pallidum</i> Positive Swab	PT-S-23-M3	VP-S-23-M3	RED-S-23-M3 ¹	MDx
<i>T. pallidum</i> and VZV Positive Swab	PT-S-80-M2	VP-S-80-M2	RED-S-80-M2 ¹	MDx
HSV1/HSV2/VZV Positive Swab	PT-S-02-M5	VP-S-02-M5	RED-S-02-M5 ¹	MDx
HSV1&2/VZV/ <i>T. pallidum</i> Positive Swab	PT-S-03-M1	VP-S-03-M1	RED-S-03-M1	MDx
Negative-Target Products				
SARS-CoV-2 Negative Swab (IVD) ² NAAT Negative Swab (RUO)	PT-S-99-M4	VP-S-99-M4	RED-S-99-M4	MDx

¹ Products are only for sale in Canada and the United States ² Products are formulated with human cells desiccated on a swab and can be used in the context of Genital Ulcer Disease testing

Genital Ulcer Disease Liquid QAPs™

» Stable for 2 years when stored at 2-8°C; 1mL volume

Products	PTDx™	PROCEEDx™	REDx™	Assay Compatibility
Single-Target Products				
HSV 1 Positive Sample	PT-02-M1	VP-02-M1	RED-02-M1 ²	MDx, Immuno ¹
HSV 2 Positive Sample	PT-23-M1	VP-23-M1	RED-23-M1 ²	MDx, Immuno ¹
Multi-Target Products				
HSV 1 and HSV 2 Positive	PT-02-M2	VP-02-M2	–	MDx, Immuno ¹
Negative-Target Products				
STI Negative	PT-99-M1	VP-99-M1	RED-99-M1	MDx

¹ Products are QC-released with molecular assays but are also compatible with immunoassays ² Products are only for sale in Canada and the United States