



### PRODUCT INFORMATION

**Product Name:**

PROCEEDx<sup>TM</sup>FLOQ<sup>®</sup> SARS-CoV-2 P.1 Swab Positive Sample

**Catalogue Number:**

VP-S-19-05

**Product Description:**

This product contains whole genome SARS-CoV-2 P.1 cDNA and human fibroblast cells desiccated on a swab.

### SPECIFICATIONS

**Genetic material:**

SARS-CoV-2 P.1 whole genome cDNA

**Storage:**

Store this preparation at 2 °C to 30 °C.

**Shelf Life:**

1 year from manufacturing date.

### USE

**Instructions For Use:**

When including the PROCEEDx<sup>TM</sup> FLOQ<sup>®</sup> SARS-CoV-2 Swab Positive Sample in a test run, the exact same procedure for unknown specimens collected in on a swab must be used. Refer to the manufacturer supplied instructions for use provided with the SARS-CoV-2 test kit.

**Intended Use:**

The product is to be used **for nucleic acid** test instrument (device) verification/validation, manufacturing QMS, educational and R&D purposes.

**NOT FOR USE IN DIAGNOSTIC PROCEDURES. FOR RESEARCH USE ONLY.**

### ASSITANCE

If you have any questions regarding the production, testing or use of this antigen, please send them together with any relevant data to Microbix Technical Services, at [customer.service@microbix.com](mailto:customer.service@microbix.com) or fax 905-361-8911. Your complete satisfaction with the performance of this product is important to us.

### HAZARDS

There is no specific hazards associated with this product. Please refer to the Safety Data Sheet (SDS).

### SPECIAL HANDLING

- Elute the PROCEEDx<sup>TM</sup> FLOQ<sup>®</sup> SARS-CoV-2 P.1 Swab Positive Sample by referring to the preferred technique and volumes described in the assay instructions for use (usually 1-3 mL).
- Use 100-1000 µL from the eluted swab PROCEEDx<sup>TM</sup> FLOQ<sup>®</sup> SARS-CoV-2 P.1 Swab Positive Sample for the nucleic acid extraction step.
- After extraction, proceed with RT-PCR by using the eluted nucleic acid test volume specified in the assay instruction for use (usually 5-20 µL from the eluted purified nucleic acid volume).

## QUALITY CONTROL INFORMATION

| Target         | Result   |
|----------------|----------|
| SARS-CoV-2     | Positive |
| Human DNA (RP) | Positive |







### Mutations map:

| SARS-CoV-2 P.1 Variant (Brazil) |  |            |
|---------------------------------|--|------------|
| Gene                            | Nucleotide                                     | Amino acid |
| ORF1ab                          | C3828T   | S1188L     |
|                                 | C5648A   | K1795Q     |
|                                 | 11288-11296 deletion<br>SGF 3675-3677 deletion |            |
| Spike                           | C21614T  | L18F       |
|                                 | C21621A  | T20N       |
|                                 | C21638T  | P26S       |
|                                 | G21974T  | D138Y      |
|                                 | G22132T  | R190S      |
|                                 | A22812C  | K417T      |
|                                 | G23012A  | E484K      |
|                                 | A23063T  | N501Y      |
|                                 | A23403G  | D614G      |
|                                 | C23525T  | H655Y      |
|                                 | C24642T  | T1027I     |
| ORF8                            | G28167A  | E92K       |
|                                 | 28254-8 insertion                              |            |
| N                               | C28512G  | P80R       |

\*Confirmed by NGS

## EXPECTED RESULTS

Testing of the product in PCR-based assays for SARS-CoV-2 including such assays where the presence of human DNA is required for the determination of a positive result, should result in a positive finding for SARS-CoV-2.

|   |                          |
|---|--------------------------|
|  <b>RUO</b>                    | <b>Research Use Only</b> |
|  <b>REF</b>                    | <b>Catalog Number</b>    |
|  <b>LOT</b>                    | <b>Lot Number</b>        |
|  <b>Temperature Limitation</b> |                          |
|  <b>Expiration Date</b>        |                          |
|  <b>Single Use Only</b>        |                          |

