

# virotype<sup>®</sup> PRRSV PRO Primers/Probes

Jan 2025 | EN

**REF** 100 reactions (cat. no. PR282345)

Contents	Volume	Storage conditions
virotype PRRSV PRO Primers/Probes (100)	1x 210 µl	-30°C to -15°C

## Intended use

The virotype PRRSV PRO Primers/Probes contain primers and probes for the amplification of RNA from Type 1 (European) and Type 2 (North American) genotypes of *Porcine Reproductive and Respiratory Syndrome Virus* (PRRSV) for multiplex real-time RT-PCR.

**For research use only. This product is not intended for the diagnosis, prevention or treatment of a disease.**

## Preparation of PCR setup

- Thaw the virotype PRRSV PRO Primers/Probes on ice and protect from light.
- Invert the virotype PRRSV PRO Primers/Probes 5 times or until mixed thoroughly.
- Centrifuge briefly to remove droplets from the cap.
- A recommendation for a prepared RT-PCR reaction is provided in Table 1. For instance, on ice, use a sterile tube to prepare the master mix using 2 µL of the virotype PRRSV PRO Primers/Probes per 25 µL PCR reaction.

Table 1. Example of an RT-PCR reaction mix

Component	Volume per reaction
Real-time RT-PCR Master Mix, e.g., IndiMix JOE (cat. no. MX299945, MX299947) or IndiMix TAMRA (cat. no. MX299985, MX299987)	15 µL
virotype PRRSV PRO Primers/Probes	2 µL
Sample nucleic acid	8 µL
<b>Total volume of PCR reaction</b>	<b>25 µL</b>

- Invert the prepared master mix 5-10 times or until mixed thoroughly, then centrifuge briefly to remove the droplets from the cap.
- Collect the master mix and transfer it to the appropriate PCR tubes/wells, handle in a PCR cooling rack or on ice.
- Add the correct volume of sample based on the real-time RT-PCR Master Mix to the PCR tubes/wells.
- Close the tubes or seal the plate and invert 5 times or until mixed thoroughly.
- Spin for 5 seconds to centrifuge the droplets to the bottom of the PCR tube/wells.
- Run the thermal cycler program as indicated by the real-time RT-PCR Master Mix.

## Filter settings

Target	Reporter
PRRSV RNA, NA genotype	FAM™
PRRSV RNA, EU genotype	Cy®5
Internal Control RNA	JOE™ or TAMRA™

## Analysis recommendations

- For the FAM reporter a manual threshold setting at 3.5 % of the maximum amplification signal of the Positive Control is recommended.
- For the Cy5 reporter a manual threshold setting at 4 % of the maximum amplification signal of the Positive Control is recommended.
- For the JOE or TAMRA reporter a manual threshold setting at 4 % of the maximum amplification signal of the Positive Control is recommended.

The threshold should be analyzed independently for each reporter and determined based on the laboratory's criteria for each PCR run.

## Storage and handling

Upon receipt, store the material at –30°C to –15°C, away from any sources of contaminating DNA or RNA, especially amplified DNA products and material used for PCR master mixes.

Protect from light during storage and handling. Use aerosol barrier pipet tips for pipetting. Do not use after the expiration date printed on the label. Avoid repeated thawing and freezing because this may reduce performance. If used intermittently, aliquot the material and freeze.

## Quality control

Each lot of this product was manufactured and released in accordance with INDICAL's ISO-certified Quality Management System.

## Safety information

When working with chemicals, always wear a suitable lab coat, disposable gloves and protective goggles. For more information, please consult the appropriate safety data sheets (SDSs). These are available from your regional sales manager or at [compliance@indical.com](mailto:compliance@indical.com).

All sample residues and objects that have come into contact with samples must be decontaminated or disposed of as potentially infectious material. Dispose of all materials in accordance with national and local regulations.

## Change index

Product Sheet	Version	Change
HB-2672-EN-001	Jan 2025	Product launch

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INDICAL BIOSCIENCE GmbH, Deutscher Platz 5b, 04103 Leipzig, Germany

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Ordering:  
Technical Support:

Worldwide:  
orders@indical.com  
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