

virotype[®] PEDV/TGEV/PDCoV Primers/Probes

May 2023| EN

96 reactions (cat. no. PR286685)
480 reactions (cat. no. PR283687)
4800 reactions (cat. no. PR283689)

virotype PEDV/TGEV/PDCoV Primers/Probes	(96)	(480)	(4800)
Cat. no.	PR286685	PR283687	PR283689
Number of reactions	96	480	4800
PEDV/TGEV/PDCoV Primers/Probes	1 x 210 µl	5 x 210 µl	50 x 210 µl

Intended use

The virotype PEDV/TGEV/PDCoV Primers/Probes contains primers and probes for amplification of RNA from *Porcine Epidemic Diarrhea Virus* (PEDV), *Transmissible Gastroenteritis Virus* (TGEV), and *Porcine Deltacoronavirus* (PDCoV) for multiplex real-time RT-PCR.

Preparation of PCR setup

- Thaw the virotype PEDV/TGEV/PDCoV Primers/Probes on ice and protect from light.
- Invert the virotype PEDV/TGEV/PDCoV Primers/Probes 5 times or until mixed thoroughly.
- Centrifuge briefly to remove droplets from the cap.
- On ice, use a sterile tube to prepare the master mix using 2 µl of the virotype PEDV/TGEV/PDCoV Primers/Probes per 25 µl PCR reaction.
- 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.

Filter settings

Target	Reporter
PEDV RNA	FAM™
TGEV RNA	JOE™
PDCoV RNA	Cy [®] 5

Analysis Recommendations

- A threshold setting of 2 % of the maximum amplification signal in the positive amplification control with a Manual Threshold setting is suggested for the FAM reporter.
- A threshold setting of 5 % of the maximum amplification signal in the positive amplification control with a Manual Threshold setting is suggested for the JOE reporter.
- A threshold setting of 5 % of the maximum amplification signal in the positive amplification control with a Manual Threshold setting is suggested for the Cy5 reporter.

For each PCR run, the threshold should be analyzed independently for each reporter and determined based on the laboratories criteria.

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

Please consult the appropriate safety data sheets (SDSs) for this product. For more information, the SDSs are available from your regional sales manager or can be provided by emailing compliance@indical.com. When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles.

Change index

Product Sheet	Version	Change
HB-2204-EN-005	May 2023	Editorial changes (2-pager design), corrected cat. no.
HB-2204-EN-004	May 2020	Implementation additional product size
HB-2204-003	May 2018	INDICAL design

For molecular biology applications. This product is not intended for the diagnosis, prevention, or treatment of a disease.

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