

virotype® +IC(TAMRA)-RNA

September 2026 | EN

REF 96 reactions (cat. no. MX289955)

REF 480 reactions (cat. no. MX289957)

Contents	Number of vials	Volume	Storage Conditions
virotype Mix +IC(TAMRA)-RNA Mix contains buffer, enzymes, primers and probe for Internal Control and Internal Control RNA	2 (Cat. no. MX289955) 10 (Cat. no. MX289957)	900 µL	-30°C to -15°C

Description

The virotype Mix +IC(TAMRA)-RNA contains synthetically derived nucleic acids and enables multiplex real-time RT-PCR detection of one or more nucleic acid targets and the exogenous Internal Control using dual-labeled probes.

The Internal Control RNA is already added to the virotype Mix +IC(TAMRA)-RNA and will result in positive signals in No Template Control (NTC) reactions. Missing Internal Control signals in the sample reaction may indicate the presence of inhibitors or other issues with the sample reaction.

Storage and Handling

- Upon receipt, store the material at -30°C to -15°C, secured 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.
- Avoid repeated thawing and freezing (>5x) as this may reduce performance.
- If used intermittently, aliquot the material and freeze.
- Do not use after the expiration date printed on the label.
- Dispose of all materials in accordance with national and local regulations.

Procedure

Table 1. Example for the Reaction Mix

Component	Volume per reaction
virotype Mix +IC(TAMRA)-RNA	18 µL
Primers and Probe(s) to target(s) of interest	2 µL
Samples nucleic acid	5 µl
Total volume of PCR reaction	25 µl

Procedural Recommendations

Attention: Please protect virotype Mix +IC(TAMRA)-RNA from bright and direct light, as the probes are sensitive to light. Transparent vials and tubes are recommended to allow for visual inspection when ensuring proper mixing. A medium-speed setting for automatic or stepper dispenser pipettes is recommended to ensure accurate volume transfer.

- Thaw the virotype Mix +IC(TAMRA)-RNA on ice and protected from light.
- Before use, spin the mix briefly.

Filter Settings

- The probe detecting the Internal Control is TAMRA™ labeled. This reporter Dye is suitable for use with Applied Biosystems™ 7500, ViiA™ 7 and QuantStudio Systems. Please check your real-time cycler for availability of the corresponding detection channel.
- The virotype Mix +IC(TAMRA)-RNA contains a low ROX™ dye concentration as a passive reference dye. This allows the use of instruments like Applied Biosystems™ 7500, ViiA™ 7 and QuantStudio Systems.

Table 2. Thermal Cycler Program

Step	Temp.	Time	Cycles
Reverse Transcription	50°C	10 min	1
RT inactivation / initial activation	95°C	2 min	1
2-step cycling			
Denaturation	95°C	5 s	40
Annealing / Extension	60°C*	30 s	

* Fluorescence data collection

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

Handbook	Version	Change
HB-2203-EN-006	Sep 2026	Editorial changes
HB-2203-EN-005	Dec 2025	Discontinuation MX289959; 4800 reactions

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

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