

TOROIVD® Gene Test Tube

【Catalogue Number】 TS-8000

【Packing Information】 8 tests/bag

【Dosage】

It can be cut open into a single tube, and one tube is for one test.

【Components】

Freeze-dried mixture of Reverse transcriptase, RNase Inhibitor, the primer-probe sets of Target Gene and IC gene in the 0.2 mL 8-Strips qPCR tube.

【Sequence Number.】

The sequences of the primer-probe sets should be customized according to your requirements, and each sequence would be named one sequence number(S/N). We offer a list with hundreds of designed sequences, and you can ask for free samples of the test tubes with your interest sequence. When our listed sequences cannot meet your needs, you can offer own designed sequence to get a customized test tube.

【Description】

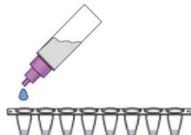
TOROIVD® Gene Test Tube is a POCT brick specially designed for "Dropper PCR", which can be easily set up a qPCR reaction with the Self-Collection Tube and 5G Reaction Mix bricks. During the use process, it does not rely on professional personnel, pipettes and any instruments. The tube contains freeze-dried mixture of reverse transcriptase, RNase Inhibitor, the primer-probe sets of target gene and IC gene. The probe of internal control gene is labeled with ROX and the amplification curve is yellow. The internal control can monitor the whole procedures including reagents, operation and qPCR cycler, to avoid false negative results. The probe of target gene probe is labeled with VIC, and the amplification curve is green. Using the POCT bricks, target gene of a certain disease can be quickly detected with direct 1-step RT-qPCR technology.

【Feature】

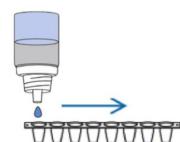
- One tube for one test:** 8-Strips qPCR tubes can be cut into a single test.
- Room-Temperature stable:** The performance is not easily decrease during storing and shipping.
- Maximum flexibility:** Multiple diseases can be detected using different gene test tubes at once.
- Hundreds of items:** We offer a list of test items for one health of animals, plants, and humans.
- Quick customization:** You only offer the sequence of primer-probe sets to get a customized test tube.

【Usage】

- Open the reagent packaging and check if the freeze-dried powder in the tube is deliquescent.
- Cut open the 8-strips tube according to the required quantity.
- Remove the transparent dropper cap of the Self-Collection Tube with sample.
- Drop 1 drop sample into the test tube directly above the tube.



- Fully thawed 5G Reaction Mix to room temperature and remove dropper cap.
- Drop 1 drop 5G Reaction Mix into the test tube directly above the tube.



- Please cover the test tube cap and lightly flick the tube wall. Fully mix and place it in the qPCR cycler.

【Results Interpretation】

1. The prerequisite of interpretation

- If the yellow amplification curve appears, but the Cq value of IC-ROX is > 40 ; or no yellow amplification curve appears with no Cq of IC-ROX. The assay run is invalid. Please check the whole procedures including reagents, operation and qPCR cycler.
- If the yellow amplification curve appears, and the Cq value of IC-ROX is ≤ 40 . The assay run is valid.
- In NTC tests under the valid run, the green amplification curve appears and the Cq value was generated in Target Gene-VIC. The result is false positive caused by contamination. Please remove the contamination from the environment and reagent consumables.
- In NTC tests under the valid run, no green amplification curve appears with no Cq of Target Gene-VIC. No false positive is caused by contamination.

2. Results interpretation

- Under the prerequisite of ensuring valid assay runs and no false positives caused by contamination, the results can be interpreted as follows.



- If the green amplification curve appears, but the Cq value of Target Gene-VIC is > 40 ; or green amplification curve disappears with no Cq of Target Gene-VIC .The result is negative.
- If the green amplification curve appears, and the Cq value of Target Gene-VIC is $15 < Cq < 35$. The result is positive .
- If the green amplification curve appears, but the Cq value of Target Gene-VIC is $Cq \leq 15$ or $35 \leq Cq \leq 40$. Retest is needed. If the green amplification curve appears at least once in the 2 retests, the result is positive. If no green amplification curve only appears with no Cq in the 2 retests, the result is negative.

【Storage】

- Store the test tube at 2-8°C in a dry environment for 24 months.
- After opening, the remaining test tubes should still be sealed in a dry environment.
- It is not recommended to use moisture absorbing test tube.

【Contact】



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