

**SHENTEK**

# **Reverse Transcriptase Assay Control**

## **User Guide**

Version: A/0

For Research Use Only

Product No.: 1505701

**Huzhou Shenke Biotechnology Co., Ltd**

## 1. Product information

### ■ Product description

Reverse Transcriptase Positive Control (PC) is used to ensure the accuracy and reliability of reverse transcriptase activity assays. It is prepared in accordance with the reverse transcriptase activity test method in the Chinese Pharmacopoeia. Sp2/0 cell culture supernatant are collected, supplemented with protective agent and frozen at -65°C or below.

### ■ Kit contents and storage

*WARNING: Please read the Material Safety Data Sheets (MSDSs) and follow the handling instructions. Wear appropriate protective eyewear, mask, clothing and gloves.*

Table. Kit components and storage

Reagent	Part No.	Quantity	Storage
Reverse Transcriptase Positive Control	NNA025	25 $\mu$ L $\times$ 1 tube	-65°C

The kit components can be stored at appropriate conditions for up to 18 months.

### ■ Method of use

When using PC for the first time, aliquot to single-use quantities in nuclease-free, protease-free cryotubes.

1. Add 5  $\mu$ L of PC to 45  $\mu$ L of Buffer A. Blowing the pipette 10 times to mix well.
2. Vortex and brief spin for 5 seconds, and repeated 2 times to ensure adequate mixing.
3. Reverse transcription reactions were performed simultaneously with the test samples and standard curve.
  - See *Reverse Transcriptase Assay Kit User Guide (Product No.1505700)* for details.

### ■ Quality Control Requirements

PC should have a clear amplification curve, meanwhile the qPCR value of  $C_t \leq 28$

is qualified.

If the  $C_t > 28$ , check whether the reagent has been aliquoted and stored in specified conditions, and we recommend to repeat the test once to rule out any operation errors.

Effective date: 31 May 2024

## Support & Contact

The logo for SHENTEK, with the word "SHENTEK" in a bold, sans-serif font. The letters "S", "H", "E", "N", and "T" are blue, while "E", "K", and "E" are green.

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