



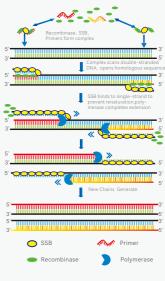
Name	Template Type	Detection Method	Specification	Unit	Item No.
RAA Nucleic Acid Amplification Kit	DNA	Electrophoresis Method	48/96T	Kit	В00000
RT-RAA Nucleic Acid Amplification Kit	RNA	Electrophoresis Method	48/96T	Kit	B00R00

### Detection Principle

This kit adopts the Recombinase Aided Amplification (RAA) technology to amplify the target nucleic acid sequences, and the amplified products can be detected and analyzed by agarose gel electrophoresis, capillary electrophoresis, etc. RAA is an isothermal nucleic acid amplification technique which can amplify the target gene fragment based on sample DNA / RNA as template under isothermal conditions (37~42°C) in 20~40 minutes.

# Product Usage \_

The kit is for scientific research use only and applicable for nucleic acid amplification of various samples, using agarose gel electrophoresis and capillary electrophoresis for detection.



RAA BASIC REACTION PRINCIPLE

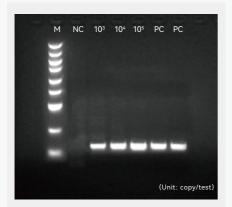
## Applicable Instrument

It is recommended to use products of Wuxi Qitian Biological Science Instruments Co., Ltd.: Sample Pretreatment System RAA-B6108; Thermostatic equipment (Water Bath); Mini centrifuge

#### Product Features

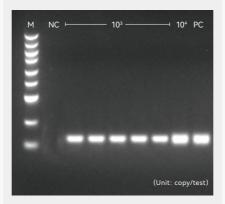


#### Experimental Cases



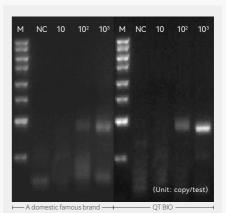
Use DNA samples to conduct detection limit experiment

Use NC, 10³ copies/test, 10⁴ copies/test, 10⁵ copies/test and PC (repeat twice) samples respectively to conduct validation



Use DNA samples to perform repeatability experiment

Use NC, 10<sup>3</sup> copies/test (repeat 5 times), 10<sup>4</sup> copies/test and PC samples respectively to conduct validation



Use the same samples to conduct comparative experiment

Use NC, 10 copies/test, 10² copies/test and 10³ copies/test samples respectively to conduct validation

### **Operation Process**



















Prepare Mixture

Dispensing

Amplification

**Product Purification** 

Electrophoresis Detection

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