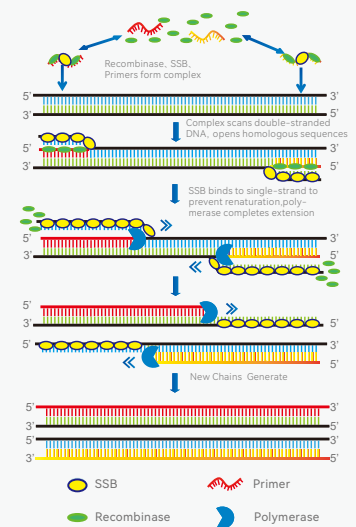




Name	Template Type	Detection Method	Specification	Unit	Item No.
RAA Nucleic Acid Amplification Kit	DNA	Electrophoresis Method	48/96T	Kit	B00000
RT-RAA Nucleic Acid Amplification Kit	RNA	Electrophoresis Method	48/96T	Kit	B00R00

## 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.



RAA BASIC REACTION PRINCIPLE

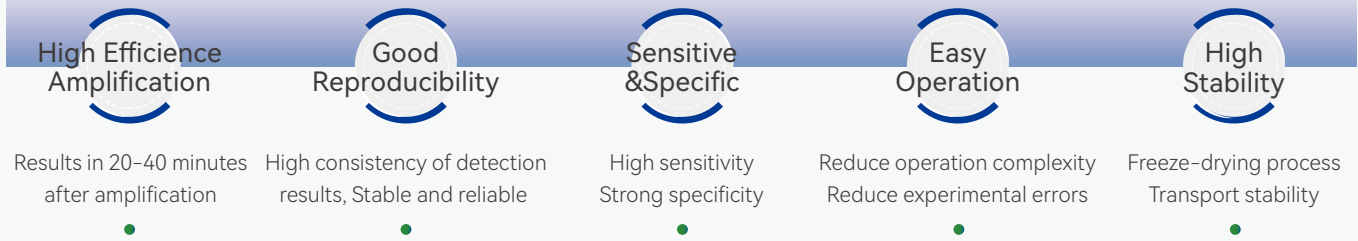
## Product Usage

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.

## 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



(Unit: copy/test)

**Use DNA samples to conduct detection limit experiment**

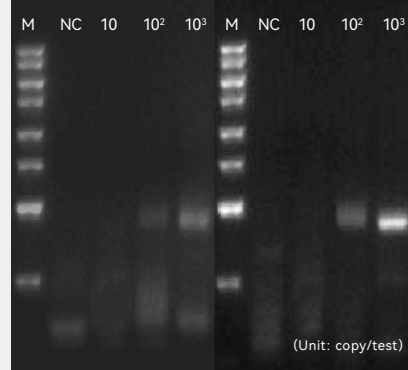
Use NC, 10<sup>3</sup> copies/test, 10<sup>4</sup> copies/test, 10<sup>5</sup> copies/test and PC (repeat twice) samples respectively to conduct validation



(Unit: copy/test)

**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



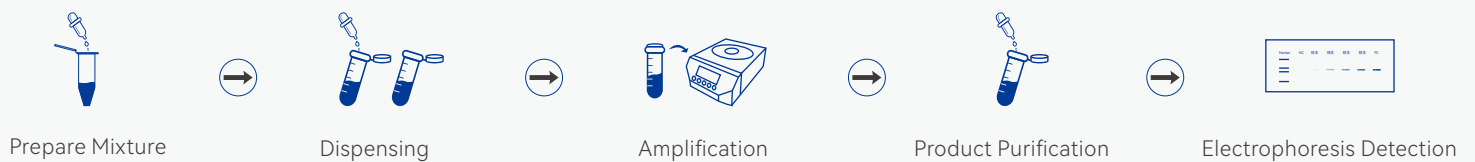
(Unit: copy/test)

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**Use the same samples to conduct comparative experiment**

Use NC, 10 copies/test, 10<sup>2</sup>copies/test and 10<sup>3</sup> copies/test samples respectively to conduct validation

## Operation Process



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