



COVID-19 SOLUTION

DECODE GENETIC LIFE. ASSURE HUMAN HEALTH.

Nucleic Acid Analysis Flow Chart

Solution 1

Sample Collection

*Sample in preservation solution should be sent to the laboratory as soon as possible after collection, if storage is needed, it is recommended to store sample under below condition:

- A. 37°C for 3 days
- B. 25°C for 7 days
- C. 4°C for 1 month
- D. -20°C for long-term storage



Sample Type:
Swab specimen, serum or plasma, virus culture medium, tissue and saliva specimen

Transfer Sample into Extraction Reagent (kit) and Initiate Extracting

Extraction kit is stable in room temperature. The extracted sample in elution buffer should be tested as soon as possible, if storage is needed, it is recommended to store sample at -20°C for 24 hours.



PCR Reagent Preparation

Operating temperature: -20~55°C.



Using Extracted Sample as PCR Template

Before loading sample into the PCR instrument, the samples should be properly centrifuged, so as to avoid liquid residual on the tube wall or generate bubbles. If the sample is RNA, due to its instability, it is recommended to:

- A. Run PCR as soon as the sample is extracted,
- B. Wear gloves and masks throughout the procedure to avoid RNase contamination.

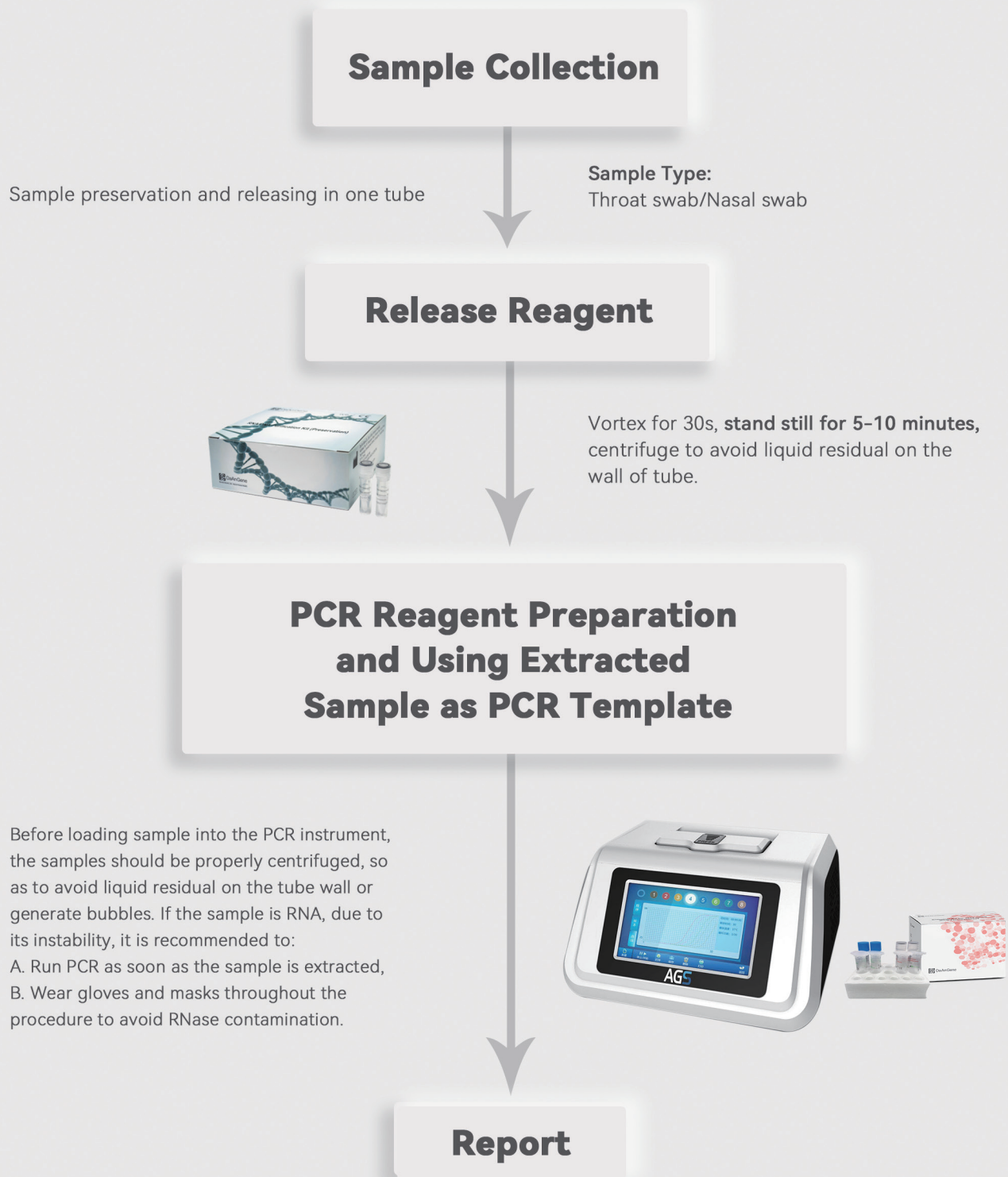
Report



*When working with clinical specimens, specimen processing should be performed in a certified class II biological safety cabinet following biosafety level 2 or higher guidelines.

Nucleic Acid Analysis Flow Chart

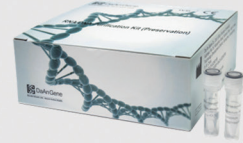
Solution 2



*When working with clinical specimens, specimen processing should be performed in a certified class II biological safety cabinet following biosafety level 2 or higher guidelines.



Manufacturer



1. The PCR detection kit should be stored at -20°C and valid for 9/12 months.

2. Nucleic Acid Extraction kit (Magnetic beads) should be stored at room temperature and valid for 12 months.

3. RNA/DNA Purification Kit (Preservation) should be stored at room temperature condition with a period of validity of 12 months.



Distributors

End-User/Lab/CDC

Sampling Collection Stations/User

Mix sample with reagent for 30s after collection. Sample in preservation solution or after being extracted should be sent to the laboratory as soon as possible, if storage is needed, it is recommended to store sample under below condition:

The sample released in RNA/DNA Purification Kit (Preservation) can be stored at:
A. Room Temperature for 48 hours B. 4°C for 1 month C. -20°C or -80°C for 6 months

The sample after magnetic beads extraction can be stored at: -20°C for 24 hours

*It is recommended to use dry ice or other refrigeration methods for storage. Avoid repeated freezing and thawing for more than 5 times.

CONTACT US

CHINA (Headquarters)

Daan Gene Co., Ltd.

Address: No.19, Xiangshan Road, Science Park, High & New Technology Development District, Guangzhou, Guangdong, P.R. China

Tel.: +86-20-32068126

Fax: +86-20-32068352

Email: marketing@daangene.com

CANADA office

Add.: #413-4538 Kingsway, Burnaby, BC V5H 4T9, Canada

Tel.: +16044517588

Fax: +604451.7587

Email: gbai@daangene.net

COLOMBIA office

Add.: Cl 93 No.16 46 Of 702, Bogotá D.C.

Tel.: +57 3103940417

Email: alonso.zheng@daangene.net