Order Information

Model No./ Description	Specification (Tests/ Kit)	Sample Type	Sample Volume	Certificate
Da0591 DNA/RNA Purification Kit	48 tests/kit	Serum, Plasma, Throat swab, nasopharyngeal secretion, Cervical Exfoliated Cell, etc.	200ul	CE, NMPA

Component

Description	Specification	Quantity
Spin column	48/bag	1
Collection Tube	96/bag	2
Lysis Solution	11mL/bottle	1
Inhibitor Remover	16.6mL/bottle	1
Deionized Solution	11mL/bottle	1
Eluent	6mL/bottle	1
Protease K	2.7mL/bottle	1
Carrier RNA	155ug/tube	2

DaAnGene

https://en.daangene.com/

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.: +1604 451 7588
Fax: +604451.7587
Email: gbai@daangene.net



DaAnGene

DNA/RNA Purification Kit (Spin Column)

DA0591



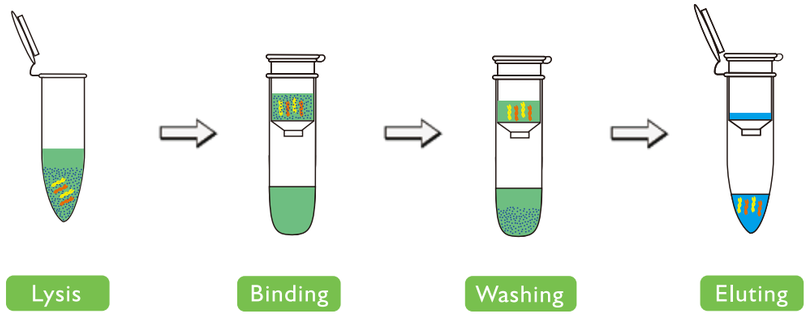
Extensive applications, classic and trustworthy.

Features

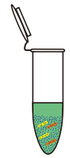
- **Economical**
  No need extraction instrument.
- **Safe and non-toxic**
  No phenol or chloroform, environmental friendly and healthy.
- **Efficient removal of contaminants**
  Purified DNA can be used in any downstream applications such as PCR, probe hybridization, electrophoresis, sequencing.
- **Suitable for different kinds of samples**
  Such as whole blood, serum, plasma, all kinds of swabs, secretion, sputum, tissue, bronchoalveolar lavage fluid.

Principle

Lysis buffer with strong protein denaturant, can quickly dissolve protein and release nucleic acid. Under the action of lysis buffer and ethanol, the released nucleic acid can be combined to the silicone membrane. Then by the action of inhibitor remover and deionized solution, the protein, inorganic salt ions and other organic impurities would be removed. Pure nucleic acid can be eluted readily with elution buffer.



Procedure



01 Lysis

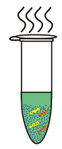
Add 50μl protease K
200μL sample
200μL lysis buffer(with Carrier RNA)



Vortex, 15s



High-speed centrifugation for 10s



Incubate 72℃, 10min



02 Binding

Add 250uL ethanol



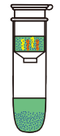
Vortex, 15s



Transfer the mixture into the spin column

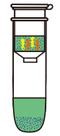


12000g, 1 min

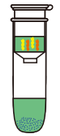


03 Washing

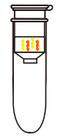
Add 500μL inhibitor remover(with Et)
12000g, 1min



Add 500μL deionized solution(with Et)
12000g, 1min



Add 500μL deionized solution(with Et)
12000g, 1min



14000g, 3 min



Open the lid
Incubate 72℃, 2 min

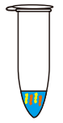


04 Eluting

Add 50μL elution buffer
Incubate RT, 1 min



14000g, 1min



Purified Nucleic Acid

