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

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Labcare de Colombia www.labcarecolombia.com

DaAnGene

DNA/RNA Purification Kit (Spin Column)

DA0591

Extensive applications, classic and trustworthy.

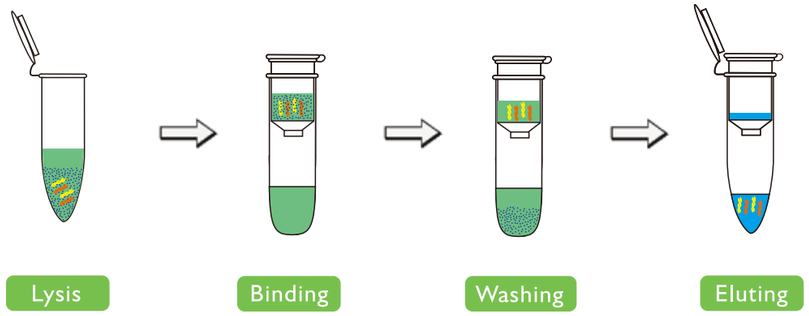
www.labcarecolombia.com Contáctenos: 310 688 82 59

Features

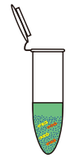
- **Economical**
  No need extraction instrument.
- **Safe and non-toxic**
  No phenol or chloroform, environmental friendly and healthy.
- **Efficient removal of contaminants**
  Purified DNA can be used in any downstream applications such as PCR, probe hybridization, electrophoresis, sequencing.
- **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

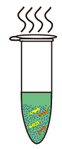


01 Lysis

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

Vortex, 15s

High-speed centrifugation for 10s



Incubate 72℃, 10min

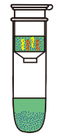
02 Binding

Add 250uL ethanol

Vortex, 15s

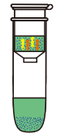
Transfer the mixture into the spin column

12000g, 1 min



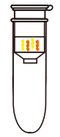
03 Washing

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



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

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



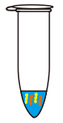
14000g, 3 min

Open the lid
Incubate 72℃, 2 min

04 Eluting

Add 50μL elution buffer
Incubate RT, 1 min

14000g, 1min



Purified Nucleic Acid