VIASURE

Viasure RNA-DNA Extraction Kit

Product description

VIASURE RNA-DNA Extraction Kit is designed for reliable and fast simultaneous isolation and purification of human genomic DNA, bacterial DNA, viral DNA and RNA from small volumes of different starting samples using the Mini Spin Column system.

The purified nucleic acids are of high quality and can be used in a number of different downstream applications, such as PCR, Real Time PCR, genotyping, STR, SNP analysis and sequencing.

This Kit simplifies isolation of nucleic acids from a variety of starting materials such as blood, cell-free body fluids, swabs and stool samples.

THE REAL ONE STEP qPCR

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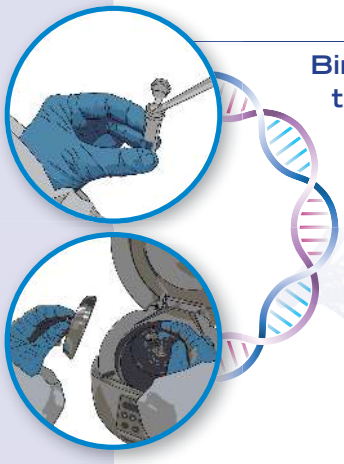
Work Flow

STEP 1
Sample lysis

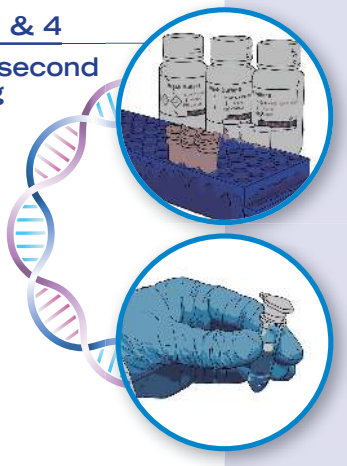
- Transfer 200 µl of sample into a 2.0 ml Collection Tube
- Add 200 µl of Lysis Buffer, 20 µl Carrier RNA and 20 µl Proteinase K
- Vortex vigorously
- Incubate for 10 min at 65ºC
- Incubate for 10 min at 95ºC

STEP 2
Binding of the DNA & RNA



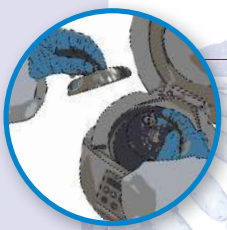
- Add 260 µl Binding Buffer and mix
- Incubate at room temperature for 5 min
- Transfer Lysate onto the Mini Spin Column
- Centrifugate for 1 min at 11,100 x g

STEP 3 & 4
First & second washing



- Add 600 µl Wash Buffer I
- Centrifugate for 1 min at 11,100 x g
- Discard the RTA Collection Tube with filtrate
- Place the Mini Spin Column into new RTA Collection Tube
- Add 700 µl Wash Buffer II
- Centrifugate for 1 min at 11,100 x g
- Discard the filtrate and put the Mini Spin Column back into the used RTA Collection Tube
- Repeat this washing step once

STEP 5
Ethanol removal



- Centrifuge for 5 min at 11,100 x g
- Discard the RTA Collection Tube with filtrate

STEP 6
Elution of the DNA/RNA

- Place the Mini Spin Column into 1.5 ml new Collection Tube
- Add 100-200 µl of Elution Buffer
- Incubate at room temperature for 1 min
- Centrifugate for 1 min at 11,100 x g
- Discard the Mini Spin Column
- Store the DNA/RNA sample at -20ºC to -80ºC

Kit References

Reference	Description
VS-KE-06	Viasure RNA-DNA Extraction Kit

CerTest BIOTEC

CSQ MED ISO 13485

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