TRIBI SCIENCE

Cell DNA Extraction Kit (100 tests) Catalog# TBS6004

DESCRIPTION

Blood DNA Extraction employs fiberglass membrane-based purification technology to isolate and purify genomic DNA from blood samples. It is a simple and fast procedure with a lysis-wash-elute process and spin centrifugation.

KEY FEATURES

- High efficiency: High yield rate.
- High purification
- Simple and fast: Just lysis-wash-elute and simple spin centrifugation.
- No organic solvent.

APPLICATIONS

Used for genomic DNA extraction from cultured cells and bacteria.

KIT CONTENTS

Name	Volume	Store
Lysis Buffer	30 mL	RT
Buffer BW*	90 mL	RT
Buffer TW*	900 mL	RT
Elute Buffer	30 mL	RT
Mini Column	100	RT

Sufficient reagent for 100 samples

*: Add absolute ethanol into Buffer BW and TW as indicated on the bottle.

STORAGE CONDITIONS

The kit is shipped on RT. Shelf life of 12 months after receipt.

PROCEDURES

1. Transfer 100 µL of whole blood sample to a 1.5 mL tube.
2. Add 200 µL of Lysis Buffer to the sample tube (Lysis Buffer: sample ratio = 1:1). Vortex vigorously to mix completely. Incubate at 56℃ for 10 mins or longer. After incubation, cool the lysate to room temperature. Spin down briefly to remove any drops from inside of the lid.
3. Add 200 µL of absolute ethanol (not provided) to the sample lysate. Pulse-vortex to mix the sample thoroughly, and spin down briefly to remove any drops from inside of the lid.
4. Transfer the mixture to the Mini Column carefully, centrifuge at 13000 rpm for 1 min, and discard the pass-through, reinsert an empty collection tube. Note: If the mixture volume over 700 µL, apply the mixture twice, spin down, discard the pass-through, reinsert back the collection tube, and repeat this step again until all the mixture has applied to the mini column.
5. Add 600 µL Buffer BW, centrifuge at 12000 rpm for 1min, replace the collection tube with the new one (provided).
6. Apply 700 µL of Buffer TW, Centrifuge at 12000 rpm for 1 min. Discard the pass-through and reinsert the mini column back into the collection tube.
7. Centrifuge at full speed for min to remove residual wash buffer. Place the mini column in a fresh 1.5 mL microcentrifuge tube (not provided).
8. Add 200 µL of Elute Buffer or sterilized water. Incubate for 1 min at room temperature. Centrifuge at full speed for 1 min. Note: Ensure that the Elute Buffer is dispensed directly onto the center of mini column membrane for optimal elution of DNA. repeat of elution step with fresh 200 µL Elute buffer will increase the total DNA yield.

RELATED PRODUCTS

Plasmid Mini Prep DNA (TBS6011)
Plasmid DNA Midi Prep (TBS6014)
Low Endotoxin Plasmid DNA Mini Prep (TBS6016)
Plasmid DNA Maxi Prep (TBS6017)
Cell DNA Magnetic Purification (TBS6027)
PCR DNA Magnetic Clean up (TBS6029)
Gel DNA Magnetic Purification (TBS6030)
PCR DNA Purification (TBS6031)
Gel DNA Purification (TBS6033)
Endotoxin free Plasmid DNA Maxi Prep (TBS6037)
Fast DNA Extraction kit (TBS6008)
2x Fast Sybr Green Probe qPCR Master Mix (TBS4001)
2x Fast Taqman Probe qPCR Master Mix (TBS4002)
2x Genotyping PCR kit (TBS4003)
2x Regular PCR Kit (TBS4004)

For research use only.