Tribioscience

# Cell DNA Purification Kit (100 tests) Catalog# TBS6043

## DESCRIPTION

Cell DNA purification employs fiberglass membrane-based purification technology to isolate and purify genomic DNA from cultured cells and bacteria. 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-washing-elute, and simple spin centrifuge.
- No organic solvent.

## APPLICATIONS

Used for genomic DNA purification 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

## STORAGE CONDITIONS

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

## PROCEDURES

1. Harvest cultured cell (5x10^6) ~ 2 mL into a tube. Centrifuge the sample tube for 5 min at 8000 rpm, and carefully discard supernatant, keep the cell pellet in the tube.
2. Resuspend the cell pellet completely in 200 µL of Lysis buffer. Vortex vigorously to mix completely. Incubate at 56℃ for 10min 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 water to the lysate, and mix.
4. Add 200 µL of absolute ethanol (not provided) to the sample. Pulse-vortex to mix the sample thoroughly, and spin down briefly to remove any drops from in side of the lid.
5. Transfer the mixture to the Mini Column carefully, centrifuge at 13000rpm 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.
6. Add 600 µL Buffer BW, centrifuge at 12000 rpm for 1min, replace the collection tube with the new one (provided).
7. Apply 700 µL of Buffer TW, Centrifuge at 12000rpm for 1 min. Discard the pass-through and reinsert the mini column back into the collection tube.
8. Centrifuge at full speed for min to remove residual wash buffer. Place the mini column in a fresh 1.5mL microcentrifuge tube (not provided).
9. Add 200 µL of Elute Buffer or sterilized water. Incubate for 1 min at room temperature. Centrifuge at full speed for 1min. 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)

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