AZUL YEAST DNA EXTRACTION KIT

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INTENDED USE

AZUL Yeast DNA Extraction Kit is an easy and efficient system for the isolation of high-quality genomic total DNA from yeast cells.

SUMMARY AND EXPLANATION

This kit uses a silica-based spin column technology for isolating DNA from biological samples, thereby eliminating toxic phenol-chloroform extractions. The eluted DNA is suitable for all sensitive downstream applications such as qPCR and Next-Generation sequencing.

PRODUCT FEATURES

- Rapid purification of high-quality, ready-to-use DNA.
- No organic extraction or alcohol precipitation.
- Consistent and high yields.
- Complete removal of contaminants and inhibitors for reliable results.
- Kit formats for low- to high-throughput – options for automation of all kits.

PRECAUTIONS

- Avoid all skin contact with reagents in this kit. In case of contact, wash thoroughly with water.
- AZUL Yeast DNA Extraction kit is intended for use as supplied. Do not dilute or add other components to the AZUL Yeast DNA Extraction kit.

DIRECTIONS FOR USE

1. Take >1ml of cells grown on a liquid media and transfer it to a clean 2ml microfuge tube and add 600µl of extraction buffer and 55µl of lysis buffer.
2. Add 5-6 glass beads and Vortex the tube for 13 minutes .
3. Transfer the lysate except the glass bead into fresh microfuge tube.
4. Centrifuge the sample at 15,000 rpm for 15 minutes at RT.
5. Transfer the supernatant to fresh microfuge tube and add 600µL of binding buffer and mix well.
6. Keep the tube for incubation for 15 minutes at -20°C.
7. Transfer the suspension to a spin column and centrifuge the tube at 15,000 rpm for 2 min at RT.
8. Discard the flow-through and place the purification column back into the collection tube. Repeat this step until complete lysate has been transferred into the column and centrifuged.
9. Wash the spin column with 600µL Wash Buffer (WB) at 15,000 rpm for 1 min and discard the flow through to completely remove salts and impurities (Repeat this step again).
10. Keep the purification column in a clean, sterile 1.5 mL microfuge tube and add 30µL- 50µL of Elution Buffer or DNase/RNase-free water to the center of the column.
11. Centrifuge the column for 15,000 rpm for 2 min.
12. Discard the purification column and store the eluted DNA at -20°C or -80°C until use.

KIT COMPONENTS

Components	For 50 preps	For 25 preps
Extraction Buffer	30mL	15mL
Lysis Buffer(LB)	3mL	2mL
Glass beads	300	150
Binding buffer(BB)	30mL	15mL
Wash Buffer (WB)	60mL	30mL
Elution Buffer(EB)	4mL	2mL
Spin Column	50 (Pouch pack)	25 (Pouch pack)

CAUTION

- Check the Extraction Buffer and Binding Buffer for any salt precipitation before every use.
- Re-dissolve any precipitate by warming the solution to 37°C, then cool it back to room temperature before use.
- During operation, always wear a lab coat, disposable gloves, protective goggles and mask.

KIT STORAGE AND STABILITY

- Store the kit at room temperature.
- Viable for 1 year if stored at appropriate conditions.

ORDERING INFORMATION

Please call us at +91 8088747968 or mail at hello@azooka.life for any queries or assistance.
Additional information can be found online at www.azooka.life

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