

DATA SHEET

Cat. No:	GE-002
Lot No:	
Amount:	50 purifications
Shipping:	Ambient temperature
Storage Conditions:	Room temperature for all reagents
Shelf Life:	One year from the date of manufacture
Form:	Silica columns, Buffers

KIT CONTENTS

Solution A:	Lysis Buffer, 10 ml
Solution B:	Binding Buffer, 20 ml
Solution C:	Wash Buffer, 65 ml
Solution D:	Elution Buffer, 10 ml
Rnase A:	250 µl, 50 mg/ml
Lysozyme	1000 µl, 100 mg/ml
G-spin® columns:	50 pieces
Collection tubes	50 pieces

QUALITY CONTROL STATEMENT

Passes quality control requirement:

Date, Signature:

PROCEDURE

NOTE: Prepare an overnight culture containing approximately $0.5-1.5 \times 10^9$ CFU of bacteria.
Depending on the culture growth, this is equivalent to 0.5 ml of overnight culture

1. Transfer 500 μ l of the bacterial culture into a 1.5 ml microfuge tube.
 2. To pellet cells, centrifuge at 13,000 rpm for 1 min. Discard supernatant
 3. Resuspend pellet in 200 μ l of Solution A, mix thoroughly by pipetting or brief vortexing.
 4. Incubate for 15 min at 80°C, vortex periodically in 5 min intervals.
 5. Incubate for 1 min on the ice to quickly cool the sample.
 6. Add 20 μ l Lysozym and 5 μ l RNase A, vortex briefly.
 7. Incubate for 45 min at 37°C, vortex periodically in 15 min intervals.
 8. Add 400 μ l Solution B and mix by inverting 30 times.
 9. Transfer the 600 μ l lysate onto a G-spin® column, centrifuge at 13 000 rpm for 2 min.
Discard the fowthrough.
 10. Wash the column two times with 600 μ l of Solution C. *Discard the fowthrough each time.*
 11. Remove residual buffer by centrifuging at 13 000 rpm for 2 min. *Discard collection tube.*
 12. Transfer the column onto a new 1.5 ml microfuge tube.
 13. Add 50 μ l of Solution D on the column, incubate for 3 min at RT. Take care to get the entire surface of the column hydrated.
 14. Cool down the column to Room Temperature (RT).
 15. Elute DNA by spinning down at 13 000 rpm for 2 min. DNA is stable for 2 weeks at 4°C; 6 month at -20°C and one year at -80°C
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DISCLAIMER

This kit is designed for research purposes only. It is not intended for human or diagnostic use. Ensure that a suitable lab coat, disposable gloves and protective glasses are worn when working with chemicals.

TECHNICAL SUPPORT

Contact our Technical Support Team between 9.00-17.00 UTC Time at +995 599 374 374.
Technical Support can also be obtained from our website or through emails at info@oxgen.ge
