

Fungi/Yeast Genomic DNA Isolation 96-Well Kit

Norgen's Fungi/Yeast Genomic DNA Isolation 96-Well Kit provides a fast, reliable and simple procedure for high throughput isolation of DNA from viable yeast cells, fungal spores or mycelium and Gram-positive bacteria. Genomic DNA is efficiently extracted from the cells by a combination of heat treatment, detergents and the use of provided Bead Tubes. The purified DNA is of the highest quality and is fully compatible with any downstream applications such as real-time PCR and sequencing. The option of an additional lyticase treatment is also provided in order to allow for improved DNA yields for certain fungal and yeast species. Purification is based on 96-well column chromatography. The DNA is preferentially purified

from other cellular components such as proteins without the use of phenol or chloroform. The purification could be performed on either a vacuum manifold or using centrifugation. The purified total DNA is free of all inhibitors and can be used in a number of downstream applications, including PCR and sequencing.



Kit Specifications			
Binding Capacity Per Well	50 µg	Maximum Amount of Starting Material:	
		Fungi (wet weight)	50 mg
Maximum Loading Volume Per Well	500 µL	Yeast or gram positive bacterial culture	0.5 mL -1 mL
Size of DNA Purified	All sizes	Time to Complete 96 Purifications	40 minutes

Fungi/Yeast Genomic DNA Isolation Kit Benefits

Fast and easy	High throughput processing using either a vacuum manifold or centrifugation.
No phenol :chloroform extractions	DNA is isolated without the use of harmful chemicals such as phenol or chloroform.
Rapid and simple processing	Rapid high throughput method to isolate genomic DNA from different fungi, yeast and Gram-positive bacteria.
Isolate high quality DNA	High yield and quality DNA that is ready for PCR and other downstream applications.

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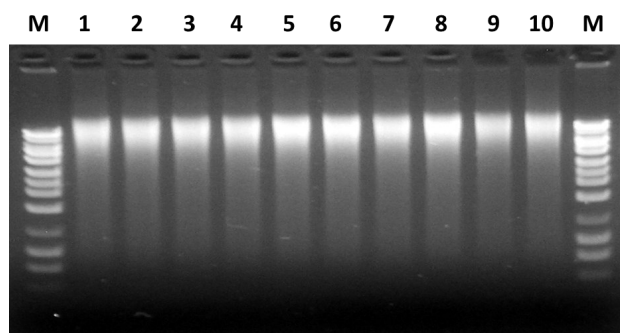


Figure 1. High Yields of DNA Isolated from *Saccharomyces cerevisiae* over night culture. DNA was isolated from *S. cerevisiae* over night culture using Norgen's Fungi/Yeast Genomic DNA Isolation 96-Well Kit. Following isolation of 10 samples, 10 μ L from each 100 μ L elution was loaded on 1% TAE agarose gel. Norgen's Fungi/Yeast Genomic DNA Isolation 96-Well Kit demonstrated a good and consistent DNA yield and integrity. Lane M: Norgen's HighRanger 1kb DNA Ladder.

Fungi/Yeast Genomic DNA Isolation Kit Contents

1. Lysis Buffer L
2. Resuspension Solution A
3. Solution BX
4. Wash Solution A
5. Elution Buffer B
6. Bead Tubes (Bag of 25)
7. 96-Well Plate
8. 96-Well Collection Plate
9. Adhesive Tape
10. 96-Well Elution Plate
11. Product Insert

Shipping Conditions

The Fungi/Yeast DNA Isolation Kit is shipped at room temperature.

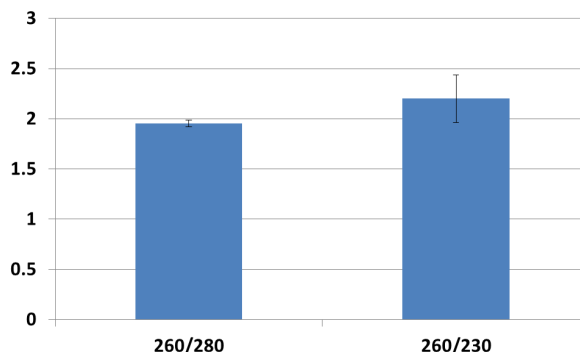


Figure 2. High quality of yeast DNA measured by NanoDrop. DNA isolated from *Saccharomyces cerevisiae* over night culture using Norgen's Fungi/Yeast Genomic DNA Isolation 96-Well Kit showed a high quality of DNA reading for 260/280 and 260/230. This indicates that the isolated DNA from all samples is of a high quality and can be used in sensitive downstream applications.

Customer-Supplied Reagents and Equipment

- Micropipettors and multichannel pipettes
- 96-100% ethanol
- Water bath or heating block for 65°C
- Collection/Waste Tray for vacuum manifold or 96-well bottom plate (96-well format) for centrifugation
- DNase-free microcentrifuge tubes
- Flat bed vortex or bead beater equipment (e.g. MP Biomedicals' FastPrep®-24 instrument)
- For Vacuum Format: Vacuum manifold with vacuum pump; Sealing tape or pads
- For Centrifuge Format: Centrifuge with rotor for 96-well plate assembly

Storage Conditions

All solutions should be kept tightly sealed and stored at room temperature. These reagents should remain stable for at least 1 year in their unopened containers.

Cat #	Description	Quantity
27350	Fungi/Yeast DNA Isolation 96-Well Kit	2 x 96 well plates