



PGA Yeast and Fungi DNA Extraction Kit

Catalog No. PF230-050

50 Preps

Scan to learn how to use:

Store at: RT

For research use only



Kit CONTENTS:

Buffer L	15 ml
Buffer D	9 ml
Solvent Buffer	5 ml
RNase A	35µl

Required contents:

cold ethanol %100 cold ethanol %70

Kit Description:

This Kit contains all ingredients for quick preparation of pure DNA from Yeast and Fungi. The Kit presents remarkable features of time-saving, easy, prompt and high yielding of DNA purification. The procedure requires 30 minutes and does not require phenol extraction. DNA obtained by this method can be used for all molecular biology procedures (PCR, restriction digestion, cloning, Southern blot, DNA sequencing).

Attention: before use, please add RNase A in Buffer L and keep in 4 °C

LABORATORY PROTOCOL:

- 1: Grow 3-5 ml yeast or fungi cultures to saturation in SD broth or other suitable culture media.
- 2: Transfer to a microfuge tube. Spin at 13000 rpm for 1 min. Pour off supernatant completely.
- 3: Add 300 µl "L buffer" to yeast's pellet or 30-50 mg fungi mycelium (wet weight), vortex 3-4 minutes.
- 4: Add 180 µl "D buffer" to the tube and invert ten times (15 Seconds). **(When adding D buffer in the tube and inverting, white precipitate in microtube will be produced)**
- 5: Microcentrifuge at 13000 rpm for 10 minutes.
- 6: Transfer the supernatant to a new tube.

(Important: do not transfer precipitate in a new tube. otherwise, repeat step 5)

- 7: Add cold ethanol %96 - %100(2 X supernatant volume) to the supernatant and invert gently 5 times.
- 8: Microcentrifuge at 13000 rpm for 5 minutes.
- 9: Pour off the ethanol by inverting the tube gently, then keep precipitate.
- 10: Wash the precipitate by adding 700µl cold ethanol %70 and invert 2-3 times.
- 11: Microcentrifuge at 13000 rpm for 1 minute.
- 12: Pour off the ethanol entirely and dry the pellet for 2-3 minutes at room temperature.
- 13: According to precipitate, Add 20 - 50µl Solvent Buffer in the tube. The precipitate must be solved completely.