

**Product Information:****Fast yeast total protein extraction Kit**

**Kit contains:** Reagent-A (20ml); Reagent-B (10ml);  
**Catalog:** YP-001  
**Sizes:** 100 extractions  
**Storage:** 2-8°C

**Description:**

This kit is designed for rapidly isolating the highest yields and quality of total proteins from cells/tissue samples (yeast, fungi and bacterial) with a simple, fast, reliable protein extraction protocol.

**Procedure:**

1. Transfer 1.5ml of liquid culture of yeast (approximately  $2-10 \times 10^7$  cells) into a clean microcentrifuge tube. Centrifuge at 3,000 xg for 5 minutes. Aspirate liquids.
2. Add 200ul reagent-A into the pellet tube. Simply vortex and incubate at room temperature for 5 minutes. Centrifuge at 3,000 xg for 5 minutes. Aspirate liquids.
3. Resuspend pellet with 100ul reagent-B. Add 2ul DTT(1M) and mix well by vortex.
4. Incubate at 98°C for 5 minutes. Vortex vigorously for 20 seconds.
5. Centrifuge at 13,000 xg for 2 minutes at 4°C and transfer the supernatant (total protein) into a clean tube.
  - Measure the protein concentration with spectrometer. Store protein at -20°C.
  - Directly load 10ul protein extraction into the lane of mini-gel.

**Precautions and Disclaimer:**

This product and procedure described are intended for R&D use only. Purchase of this product does not convey a license to perform any patented process.