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## Minute™ Non-Denatured Protein Solubilization Reagent

**Cat. No. WA-010**

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### Description

This reagent is formulated for dissolving protein pellets using protein kits from Invent Biotechnologies (Cat# Nos. SM-005, SM-005-P, CP-011, NE-013, YM-017, MM-018 and AF-023) and other companies. Solubilized proteins are non-denatured and can be used for ELISA, immunoprecipitation/Co-IP, enzymatic activity determination and other applications.

### Use and Procedures

1. Add proper amount of reagent to protein pellet derived from above kits or other methods. The volume used depends upon the size of the pellet and protein concentration required for downstream experiment. Usually, 50-200  $\mu$ l/ sample is used.
2. Resuspend the protein pellet in the reagent by pipetting up and down repeatedly (try to avoid bubbles). Centrifuge the solubilized protein in a table-top centrifuge at top speed for 1-2 min remove insoluble components and take supernatant for downstream applications. BCA assay is recommended for determination of protein concentration.
3. The efficacy of membrane protein solubilization by non-denaturing reagent could vary for different samples. In some cases, to further increase the protein solubility, chaps (a zwitterionic detergent, sigma) can be added to the reagent to a final concentration of 1-4%.

**Package:** 10 ml (For Research Use Only)

**Shipping and Storage:** Ship at ambient temperature and stored at RT.