

Minute™ Denaturing Protein Solubilization Reagent

Cat. No. WA-009

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 denatured due to the presence of an anionic detergent (SDS). Proteins dissolved in this reagent is mainly used for SDS-PAGE electrophoresis and Western blotting. In some cases, the solubilized protein can also be used for immunoprecipitation and trypsin digestion if SDS is removed using SDS-Remover (Cat. No. WA-012, Invent Biotechnologies).

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 μ l is used/sample.
2. Resuspend the protein pellet in the reagent by pipetting up and down repeatedly (try to avoid bubbles). BCA assay is recommended for determination of protein concentration.
3. Solubilized protein should be mixed with loading buffer prior to loading the gel. Usually, 10-50ug protein/lane is used for a standard Western blot.

Package: 10 ml (For Research Use Only)

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