

UltraFast Protein Stain

The Axygen UltraFast Protein Staining Kit is based on a colloidal Protein stain where only protein bands get stained leaving the background gel clear. The staining is optimized for more sensitivity than regular Protein stains, and protein bands can be visualized within 5-10 minutes during the staining procedure. Following the staining process, the protein band intensities may be further enhanced by equilibration of the stained gel in de-ionized water. The optimized staining procedure can detect protein bands in ng or sub-ng quantities.

- **Unique ready-to-Use Protein stain.**
- **Fast- Bands start appearing in 3 minutes**
- **Single Step Staining of proteins in Polyacrylamide Gels – saves time**
- **No de-staining needed – saves time and money**
- **Axygen special coated staining trays minimize wastage**
- **Special Gel drying solution helps make permanent record without cracking.**

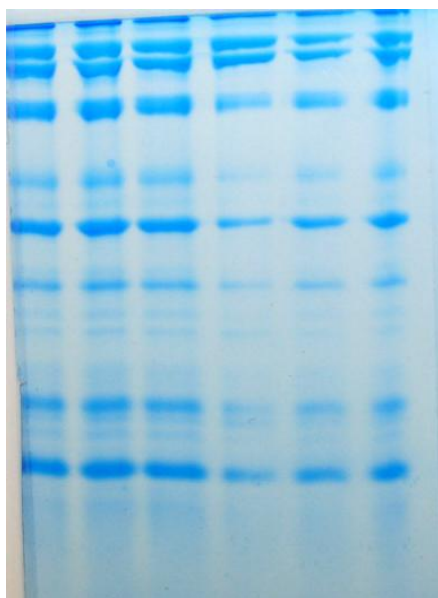


Figure: 12% SDS gel was run with various proteins at different concentrations. Following electrophoresis, gel was stained with UltraFast stain for 10 minutes and destained with water for 10 minutes. Results show clear staining of various proteins without background staining.

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Step-By-Step Staining Procedure:

- Shake the Ultra Fast Staining solution bottle well before use.
- Following electrophoresis, wash gels 3 times in de-ionized water to remove surface SDS in the gel. Each wash should be in a large volume of water at an interval of 5 minutes each. For gels with no SDS (non-denaturing gels), a single wash is sufficient before staining step. Axygen special staining trays are highly recommended for mini gels.
- For isoelectric focusing gels, prefixing the gel in 20% TCA (Trichloro Acetic Acid) for 30 minutes followed by extensive washing to remove TCA is recommended before proceeding with Ultra Fast staining step.
- Remove all water from the gel tray and add 25-50 ml of Ultra Fast Staining solution sufficient amount to cover the gel. Place the gel in a gentle shaker for 30-60 minutes depending on gel thickness. Protein bands can be visible within 5 minutes of staining and intensify maximum within 60 minutes.
- Rinse the stained gel in 50-100 mL de-ionized water for 2-3 cycles. Rinsing the gel with de-ionized water enhances the band intensity of proteins. Gel can be stored in de-ionized water. Alternatively, it can be dried using Axygen Gel drying solution for permanent records with no cracking.

Ordering Information

Part#	Product Description	Qty
REG-UFPS-500	Ultrafast Protein Stain	500ml
SDT-1	Axygen Special Staining Tray	1
REG-GDS -500	Gel Drying Solution	500ml

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