

— PROTOCOL —

jetBLUE – Protein staining solution

Catalog Number	Unit Size	Reactions
PS001-B500ML	500 ml	

Storage : room temperature

Description

jetBLUE, Protein staining solution, is a ready-to-use colloidal coomassie blue G-250 protein staining solution for SDS-PAGE. It is formulated for fast and sensitive protein detection. Without involvement of hazards such as methanol and acetic acid, **jetBLUE** is considered to be safe and environmental friendly. **jetBLUE** is also compatible with mass spectrophotometry.

Quality control

The quality of this product is tested on a lot-to-lot basis to ensure consistent quality.

Required material and equipment not provided

SDS-PAGE

Distill water

Container: box for gel staining

Shaker: orbital or rocking shaker

Protocol

1. After SDS-PAGE is finished; remove the gel from cassette and incubate the gel in distilled water with three changes of fresh water, 10 minutes each time.
2. Decant water and submerge the gel in proper amount of **jetBLUE** dye, enough to cover the gel. Mildly agitate the staining box temperature for an hour at room.
3. Remove the dye solution carefully. Wash the membrane with large amount of distilled water with shaking.
4. The de-staining can be an hour with changes of water to facilitate or left in distilled water over night for a clearer background.

User's Note

- (1) The first step, incubation of gel in distilled water, is important for removal of SDS. No need to fix the gel in organic solvent as is necessary in regular coomassie blue staining procedure.
- (2) The dye solution may contain blue clumps. This is normal and easily dissolved in distilled water.
- (3) One hour incubation in dye solution reaches maximum staining effects for mini-gel (0.75mm). If the gel is thicker, longer time is required.
- (4) Long incubation in distilled water for destaining helps a clear background without compromising staining effects.

Cautions

This product is good at ambient temperature for shelf life of one year.

For research use only. Not intended for any animal or human therapeutic or diagnostic uses.

