



## jetBLUE – Protein staining solution

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Catalog Number	Size	Concentration
PS001-B500ML	500 ml	1X

### Storage Conditions

Stable for up to 12 months at 25°C.

### 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 environmentally friendly. **jetBLUE** is also compatible with mass spectrophotometry.

### Kit Content(s)

Protein staining solution	500ml x 1
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### Required materials but not provided

- Container: box for gel staining
- Shaker: orbital or rocking shaker

### Reaction Setup

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 temperature.
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.

### Important notes

- (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.

