

Coomassie Brilliant Blue Protein Gel Rapid Staining Solution

(WB010)

Product Description

This Coomassie Brilliant Blue Protein Gel Rapid Staining Solution (Protein Rapid Staining Solution) works on the same principle as traditional Coomassie Brilliant Blue staining solutions. It can rapidly bind to the positively charged groups on proteins at room temperature for instant protein staining. This product stains proteins **only**, with a fast staining speed that enables color development in 2 minutes and no need for decolorization. It has a wide range of applicability and can be used for SDS-PAGE gels and Native gels, as well as for staining residual proteins on PAGE gels after Western blotting. The product is green and environmentally friendly, non-toxic and free of pungent odor.

Components

Product Name	Cat. No.	Volume
Coomassie Brilliant Blue Protein Gel Rapid Staining Solution	WB010	500 mL

Storage Conditions

Store and transport at room temperature. The shelf life is one year.

Notes

1. This product is for scientific research use only and shall not be used in clinical diagnosis, treatment and other fields.
2. This staining solution can be reused for 3 times. The staining speed will decrease slightly with the increase of usage times, without affecting the sensitivity.
3. Based on the staining principle of this product, the staining results may vary according to the differences in protein properties such as the number of positively charged groups and isoelectric point.
4. If the area or thickness of the gel is increased, increase the volume of staining solution and the staining time accordingly.

Experimental Procedure

1. Place the gel after electrophoresis in a plastic container and add an appropriate amount of Coomassie Brilliant Blue Protein Gel Rapid Staining Solution. The added volume shall be sufficient to cover the gel, usually 20 ~ 25 mL.
2. Place the container with the gel on a shaker and shake it; the bands will start to appear after 1 ~ 2 minutes. The general staining time can range from 30 minutes to overnight, and staining for more than 2 hours is recommended.

3. After staining, the protein gel can be observed or photographed immediately. The observation effect will be better if the protein gel is washed in clean water to purify the background.