

Coomassie Brilliant Blue dye solution

Cat: G4540

Size: 60mL/100mL

Storage: Store at room temperature for 1 year.

Product introduction:

Coomas bright blue protein glue fast dyeing solution is a kind of instantaneous dyeing at room temperature, no need to decolorize, non-toxic and non-irritating odor of protein dyeing solution. Suitable for all kinds of denatured and non-denatured protein gel dyeing, can save a lot of time, accelerate the process of the experiment, with its convenient and quick operation, relatively high sensitivity. The sensitivity can reach 5ng protein (visible to the naked eye), and 3ng protein can be seen with the photoscope.

Product features:

Fast dyeing, only dyeing protein without dyeing glue, no need for decolorization, especially for the experiment of protein purification, after a few minutes, you can decide the next step according to the results of protein staining bands. The whole process is easy to operate, easy to save, no special equipment is required, and the gel can be stored in pure water for several months after decolorization.

Instructions for use (for reference only) :

1. Place the post-electrophoretic PAGE into a plastic container. Add the appropriate amount of dye solution to cover the PAGE glue, depending on the size of the container, usually about 30-50mL.
2. Place on a shaker and shake. Do not touch the dye with your bare hands because it is acidic. Bands will begin to appear after 1-2 minutes. The stain bands will deepen over time. Usually the dyeing time can be anywhere from 30 minutes to overnight. The background color hardly increases with the dyeing time. After dyeing, the protein gel is stored in water and taken out for photos. Due to the different isoelectric points of the protein, the instantaneous adhesion ability of the dye is different. It is recommended to put the gel into water after 2 hours of dyeing or overnight for better effect.

Note:

- 1、 If the thickness of glue exceeds 1mm, please add more dye solution and extend the dyeing time.
- 2、 It is suitable for SDS-PAGE glue and Native glue prepared or prefabricated in laboratory, and can also be used for dyeing residual protein on PAGE glue after Western film transfer.
- 3、 Like the traditional Coomas bright blue dye, this dye solution binds positively charged

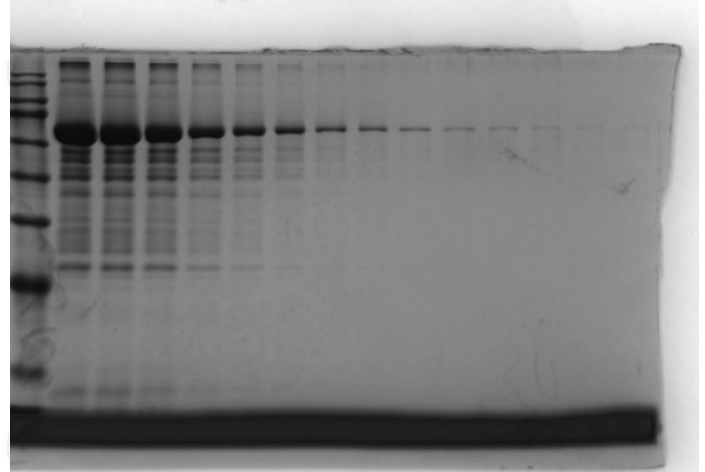
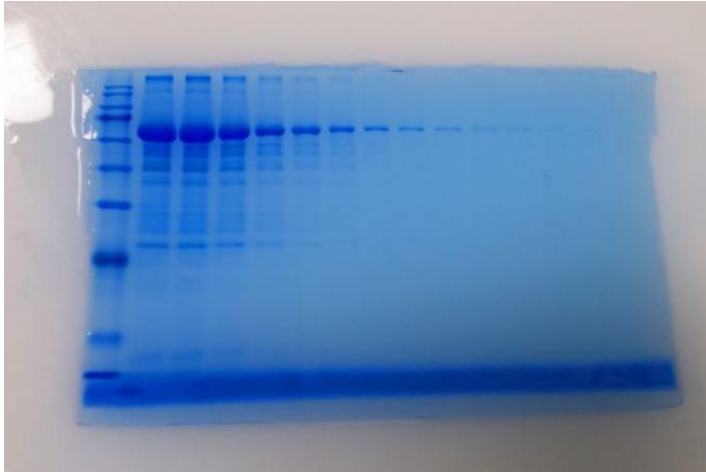
groups on proteins, and the number of positively charged amino acids needs to be considered for quantitative comparison between different proteins.

4、 Precipitation will occur during the dyeing process, which will not affect the dyeing effect.

5、 The dye solution can be reused 1-2 times. With the increase of the number of uses, the dyeing speed decreases slightly, but it does not affect the sensitivity. If there is precipitation 37 degrees water bath dissolve or filter after use.

6、 The original product name is Feto SDS-PAGE Coomassie Brilliant Blue Dyeing Solution.

Dye picture:



After overnight dyeing pictures, without decolorization, the sample size is 10 μ g, 10 μ g, 5 μ g, 2 μ g, 1 μ g, 500ng, 200ng, 100ng, 50ng, 30ng, 20ng, 10ng, 5ng, 3ng.