

## Coomassie bright blue protein glue quick dyeing solution

**Item No. :** P1300

**Specification:** 500mL

**Composition:** Solution A 10mL, solution B 500mL.

**Storage:** 2-8°C storage, valid for 1 year.

### Product Introduction:

Coomasil bright blue protein glue quick dyeing solution is a quick and sensitive and safe dye, Coomasil bright blue G-250 as dye, can be used for SDS-PAGE or non-denatured electrophoresis protein gel fast dyeing, dyeing time is short, protein electrophoresis bands can be detected within half an hour.

### Usage (for reference only) :

Preparation of the working liquid, take 100mL solution B, add 2mL solution A, mix well, this is the working liquid. After the working liquid is prepared, please use it within one week, the expiration effect will have a certain impact.

1. Put the PAGE glue (8cm×10cm size as an example) after electrophoresis into a container, add 50 mL double steaming water or deionized water, heat until boiling, then stop, (optional: continue to shake on the decolorizing table for 5 minutes), discard the aqueous solution.
2. Add 25mL of quick dyeing solution, heat to boiling and keep boiling for 30-60 seconds, stop heating and continue to shake in the decolorizing shaker for 5-10 minutes, discard the dyeing solution (protein bands should be visible at this time).
3. Add about 50mL of water, heat to boiling and keep boiling for 30-60 seconds, stop heating and continue to shake in the decolorizing shaker for 5-10 minutes, change the water to complete the decolorization, observe the results.

### Points to note:

1. In the cleaning step (the first step) before dyeing, the quality of water is very important, the better the quality is, the higher the sensitivity is. Studies have proved that if the water is heated and cleaned, the dyeing effect and sensitivity are only the same as that of conventional methanol Coomasil bright blue dyeing (molecular cloning second edition).
2. When decolorizing, tap water can be used for cleaning.
3. To get the dye glue without background, repeat the decolorization step or leave the glue in water overnight.
4. The shrinkage of the PAGE glue dyed by this product is less than 5%, and the dyed glue can be placed in water for several months without obvious decolorization.
5. After each heating, continue to shake in the decolorizing shaking table for 5 minutes to enhance the dyeing effect.
6. This dyeing solution is slightly corrosive, please wear gloves to operate.

### Related products:

- P1015*     *4×Protein Loading buffer (DTT included)*
- P1305*     *Coomassie Brilliant Blue Dye Set (Dye solution + decolorizing solution)*
- A1010*     *30% acrylamide (29:1)*
- T1070*     *5×TRIS-Glycine electrophoretic buffer*
- SP1060*   *SDS-PAGE gel preparation kit*
- P0012*     *10×Ponceau staining solution*