

Instructions for Coomassie Bright Blue dyeing set

Item number: P1305

Store: Keep at room temperature for at least one year.

Specifications: 100mL+500mL

Product description:

The Coomassie Blue Staining Kit adopted the most classic Coomassie bright blue staining and decolorization methods, using Coomassie bright Blue G-250 as the dye, which could be used for the routine staining and decolorization of protein electrophoresis gels such as SDS-PAGE or non-denatured PAGE. Or Western staining detection of residual proteins on PAGE glue after film transfer.

Product content:

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| Coomassie Bright Blue Dye | 100mL |
| Coomassie Bright Blue decolorizing Solution | 500mL |

How to use (for reference only) :

- 1, after the end of electrophoresis, take the gel into the appropriate amount of Coomash bright blue dye (at least 5 times the colloidal volume), ensure that the dye can fully cover the gel.
- 2, put the gel in a shaker slowly shake, room temperature dyeing for at least 2h, low abundance protein dyeing for more than 4h.
- 3, remove the dye after the end of dyeing, dyeing liquid can usually be reused 2-3 times, but the dyeing effect will be slightly affected.
- 4, soak the gel in the same volume of the dye solution, decolorizing on the shaking table for 4-8 hours, during which 3-5 times change the decolorizing solution.

Points to note:

- Dyeing time of more than 4 hours works best.
- Decolorization can be terminated at any time according to the target protein abundance and decolorization effect, or the decolorization time can be extended.
- The more thorough the decolorization, the lower the detected protein amount, and the decolorization can generally detect 0.1μg protein amount for 24h.
- After decolorization, keep the gel in water and take photos or scan to save the image. Or make it into dry glue for preservation.

Related products:

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| <i>P1300</i> | <i>Coomassie Bright blue protein Glue Quick Dye Solution</i> |
| <i>PC0020</i> | <i>BCA protein concentration determination kit</i> |
| <i>PR1400</i> | <i>Low molecular weight protein MARKER</i> |
| <i>PR1700</i> | <i>prestain second high molecular weight protein MARKER</i> |
| <i>I1020</i> | <i>IPTG solution (50mg/mL)</i> |
| <i>A1010</i> | <i>30% Gum Making Solution (29:1)</i> |
| <i>T1070</i> | <i>5 x TRIS-Glycine electrophoretic buffer</i> |
| <i>P1200</i> | <i>SDS-PAGE Gel preparation kit</i> |