



COLLOIDAL COOMASSIE® BLUE STAIN FOR PROTEINS

PROTOCOL FOR STAINING AND DESTAINING GELS WITH GENOMIC SOLUTIONS COLLOIDAL COOMASSIE BLUE STAIN FOR PROTEINS:

***The following procedure uses a volume of 100 ml per mini gel or 400 ml per large format gel. A maximum of 5 gels should be placed in a single tray. All steps can be performed at room temperature. Gently agitate the trays on a rotary shaker at low speed during all steps.*

1. Fix the gel by placing it in a solution of 40% methanol, 10% acetic acid, 50% 18 M Ohm water for at least 1 hour.
2. Prepare Colloidal Coomassie Blue Stain:
 - a) For minigels; mix 80 ml Colloidal Coomassie Blue with 20 ml of methanol and place gel in staining solution.
 - b) For large format Investigator gels; mix 320 ml of Colloidal Coomassie Blue Stain with 80 ml of methanol and place gels in staining solution
3. Allow gels to stain for at least 4 hours. Longer staining times may increase sensitivity.
4. Destain:
 - a) Place gels in 25% methanol to destain background for at least 1 hour. To minimize background staining, repeat destaining step twice.
5. After gels are destained, the spots or bands may be excised for processing by trypsin digestion and mass spectrometry.

Genomic Solutions Colloidal Coomassie Blue Stain is available in two sizes

0080-0216 1L 0080-0017 100ml

For easier destaining try Cozap™ Coomassie Blue Destaining Pads

0070-3717 5 per pack

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