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A Geno Technology, Inc. (USA) brand name

# Coomassie Brilliant Blue G-250 Stain

For Staining of Polyacrylamide Gels

(Cat. # 786-497)



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## INTRODUCTION

Coomassie Brilliant Blue G-250 Stain is based on a colloidal Coomassie stain. Coomassie Brilliant Blue G-250 Stain stains proteins, with high band visibility. The staining of gels with Coomassie Brilliant Blue G-250 Stain allows the examination of protein bands even during the staining process. After the staining process, the band intensity may be further enhanced by de-staining the stained gel in our Coomassie Brilliant Blue De-Staining Solution (Cat# 786-499) or 30% Methanol. Coomassie Brilliant Blue G-250 Stain has a sensitivity of staining 8-10ng protein/band, i.e. 8-10ng of BSA is visible in 4-20% SDS acrylamide gels. The supplied volume is suitable for 40-50 Mini gels (8 x 10cm) & 20-25 large gels (12 x 15cm).

## ITEM(S) SUPPLIED (Cat. # 786-497)

Description	Size
Coomassie Brilliant Blue G-250 Stain	1L

## STORAGE CONDITION

It is shipped at ambient temperature. Store it at room temperature, upon arrival and is stable for 1 year when stored and used properly.

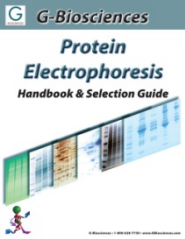
## PROTOCOL FOR STAINING THE POLYACRYLAMIDE GELS:

1. Wash gel 2-3 times, 5 minutes each in deionized water to remove SDS present in the gel. Each wash should be in large volumes of water. For gels without SDS, a single wash in deionized water is sufficient.  
**NOTE:** *Isoelectric focusing gels require prefixing in 20% trichloroacetic acid for 30 minutes, followed by extensive washing to remove TCA.*
2. Remove all free water from the gel. Add an adequate amount of Coomassie Brilliant Blue G-250 stain to cover the gel. Gently shake the gel in stain for 1 hour. Protein bands will be visible within 3-5 minutes and reach a maximum intensity within 1 hour. Longer incubation may be performed.
3. Rinse the stained gel in a large volume of deionized water, 2-3 times for 5 minutes each. Rinsing in deionized water enhances the intensity of the protein bands. Rinse gel in Coomassie Brilliant Blue Destaining Solution (Catalog # 786-499) or 30% Methanol, until desired resolution is attained. Store the stained gel in deionized water.

**NOTE:** *If background staining is noticed, it is indicative of residual SDS in the gel. Rinsing the gel extensively in deionized water will remove the background staining.*

## RELATED PRODUCTS

Download our Protein Electrophoresis Handbook



<http://info.gbiosciences.com/complete-protein-electrophoresis-handbook/>

For other related products, visit our website at [www.GBiosciences.com](http://www.GBiosciences.com) or contact us.

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