



YamayBio

Rapid Coomassie Blue Staining (Destaining-Free)

USER GUIDE

For research use only.
Not for use in diagnostic procedures.

Contents and Storage

Rapid Coomassie Blue Staining(Destaining-Free)

BM3151

500 ml

Storage: Store at 4 °C for 12 months. The product is shipped at room temperature.

Introduction

This reagent is a newly developed Coomassie Brilliant Blue staining solution that is rapid, highly sensitive, low-background, non-toxic, and environmentally friendly. It can be used for rapid staining of proteins in both SDS-PAGE and native gels. Protein bands at the nanogram level can be visualized in as little as 15 minutes with minimal background. Additional rinsing with water can further reduce background, eliminating the need for toxic destaining solutions.

Quick Start Protocol

1. Wash the gel with ddH₂O to remove residual SDS.
2. Remove all water from the staining container and add 30 mL (or more) of Rapid Coomassie Blue stain to completely submerge the gel. **Gently agitate for 15 minutes** until protein bands become visible. For more intense staining, extend the staining time by an additional 15 minutes.
3. Rinse the gel twice with 200 mL of ddH₂O for 20 minutes each. To further reduce background, repeat the rinsing step 4–5 times. Extensive washing with water after staining will significantly reduce the background.