



YamayBio

Rapid Coomassie Blue Staining(Destaining-free)

INSTRUMENT MANUAL

Research use only.
Not for diagnostic procedures.

Contents and storage

Rapid Coomassie Blue Staining(Destaining-free)

BM3151

500ml

Storage: Store at 4°C for 12 months.
Product shipped at room temperature.

Introduction

This reagent is a newly developed, rapid, highly sensitive, low-background, non-toxic, and non-polluting Coomassie Brilliant Blue staining solution. 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. Background can be further reduced by rinsing with pure water, eliminating the need for toxic destaining solutions.

Quick Start Protocol

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