

Coomassie Blue Rapid Staining Solution without Destaining

Cat. No./Spec.

D2011-A/100 ml; D2011-B/500 ml

Component

Components	D2011-A	D2011-B
Coomassie Blue Rapid Staining Solution without Destaining	100 ml	500 ml

Storage Condition

Store at room temperature.

Product Description

This product is a rapid staining solution without destaining, primarily made from Coomassie Brilliant Blue G250. The Coomassie Blue Rapid Staining Solution without Destaining can stain at room temperature very quickly, without the need for destaining, and is easy to operate with high sensitivity and safety. This product is suitable for various denaturing and non-denaturing PAGE gel staining.

Product Features

1. Easy operation: No need for microwave heating, staining can be done at room temperature after electrophoresis.
2. High sensitivity: Can detect protein bands as low as 5ng.
3. Fast staining: Bands begin to show color in 1-2 minutes, and can be observed within 5 minutes.
4. Very low background: Clear bands with low background.
5. Good compatibility: Suitable for both denaturing and non-denaturing PAGE gels and mass spectrometry analysis.
6. Safe and environmentally friendly: Non-toxic, does not contain methanol or acetic acid.
7. Cost-effective: Can be reused once.

Usage Method

Precipitate at the bottom after long-term storage is normal, please shake well before use.

1. After electrophoresis, place the gel in a suitable container and rinse the surface buffer with water.
2. Add Coomassie Blue Rapid Staining Solution without Destaining to cover the gel surface.
3. Place on a shaker for staining. Bands begin to show color after 1-2 minutes, and staining can be completed within 5-30 minutes. Bands with as low as 20ng protein can be observed after 5 minutes, bands with as low as 10ng protein can be observed after 10 minutes, and bands with as low as 5ng protein can be observed after 15 minutes. Staining for 20-30 minutes will deepen the color of all protein bands without increasing the background color.
4. The gel can be photographed after staining. To achieve a lower background, rinse with pure water until the background is clean.
Generally, rinsing with pure water for 30 minutes, changing the water every 10 minutes, will yield good results. The gel can also be left overnight in pure water.
5. The staining solution can be recovered and reused once after staining. Precipitate at the bottom after long-term storage is normal, shake well before use.

Important Notes

1. This staining solution is acidic. For your safety and health, please wear a lab coat and disposable gloves when handling.
2. This product is intended for scientific research use by professionals only and should not be used for clinical diagnosis or treatment.