



CBB Rapid Stain

Instruction

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Cautions

1. Research use only. Do not use for medical purpose.

(1) Introduction

In general, Coomassie Brilliant Blue R-250 is used for protein staining after SDS-PAGE. This staining shows high background and needs hours to overnight de-staining to get clearly visible staining bands. CBB Rapid Stain is a product that gives you visible bands within one hour after SDS-PAGE. In addition, longer de-staining gives you visible bands a few ng of proteins.

(2) Features

1. 30 ng protein band visible within 60 min
2. A few ng protein band visible by extending staining and de-staining
4. Highly clear bands can be seen by extending de-staining
5. Long storage stability due to 2 liquids formulation

(3) Product lineup

Product #	Product name	Content
BCL-CBR-01	CBB Rapid Stain 5	500 mL
BCL-CBR-02	CBB Rapid Stain 10	1 L

(4) Related products

Product #	Product name	Content
BCL-EZU02, -EZ21, -EZ23	Easy-Western (Multi, II Basic, II full)	1 kit (50 assays)
	Quick (1 hr) or highly sensitive Western Blot kit without using 2 nd antibody.	
BCL-125	Signal Booster Solution A & B set	250 mL each
	Antigen / antibody reaction enhancer. Two solution type.	
BCL-SBN-01	Signal Booster Neo	250 mL
	Antigen / antibody reaction enhancer. One solution protein-free type.	
BCL-BPM-01	Blue Protin Marker	500 uL
	Pre-stained protein marker with reasonable price.	
BCL-EEC-01, -EECM-01	Easy ELISA Constructor (ab)	1 kit (192 assays)
	Antibody-detecting ELISA builder. The built ELISA is highly sensitive and quick operating.	
BCL-WMN-01, -11, -22	Western Marker Neo (low, high, wide)	250 uL
	Protein marker for western detected by 2 nd antibody with colored protein mixed.	

(5) General quick method

This method is intended to detect around 30 ng of protein bands within one hour. Following is an example using one mini size gel.

- 1) Wash: After SDS-PAGE, wash the gel with 50 mL of DW for 10 min using a shaker. Wash twice.
- 2) Staining: Immerse the gel into 20 mL of Solution A, add 2 mL of Solution B, and mix the solutions though roughly. The gel staining is started. Use enough volume of solutions so that the gel is totally soaked. Bands can be seen 5min after start of staining. Normally 30 min is enough to detect 30 ng of protein bands.
- 3) Wash: Wash the gel with DW to remove excess staining solution.
- 4) Storage: Store stained gel in DW. Stained bands become more clearer while storing due to de-staining.
- 5) De-staining (optional): To save time de-staining can be done by using 30 ml of 1% acetic acid. The de-staining time has to be determined by observing bands normally 15 min). Store in DW.

(6) High sensitivity method

This method is intended to detect a few ng of protein bands or to get more clearer bands. Additional fixing and de-staining solutions (both recipes described below) are needed. Following is an example using one mini size gel.

- 1) Fixation: After SDS-PAGE, fix the gel with 30mL of fixing solution (50% MeOH+10% Acetic acid) for 10 min using a shaker.
- 2) Wash: wash the gel with 50 mL of DW for 10min.using a shaker. Wash twice.
- 3) Staining: Immerse the gel into 20 mL of Solution A, add 2 mL of Solution B, and mix the solutions though roughly. Use enough volume of solutions so that the gel is totally soaked. The gel staining is started. Stain for 1 to several hours while shaking. The staining time has to be determined by observing bands.
- 4) Wash: Wash the gel with DW to remove excess staining solution.
- 5) De-staining: Soak the gel in 30 ml of de-staining solution (1% acetic acid). The de-staining time has to be determined by observing bands (normally 15 min). Change de-staining solution to accelerate the de-staining.
- 6) Storage: Store in DW.

The SDS for this product can be downloaded from our website
(https://beacle.com/download_en/).

(7) Contact Information

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