

CBB Stain One (Ready to Use)

Protein Staining Solution

nacalai tesque

The quality for certainty.



Features

- Ready to use Coomassie Brilliant Blue staining solution for electrophoresis.
- Exceptionally low background.
- Only 60 minutes to stain proteins.
- No hazardous methanol or acetic acid.

- Ready to use:** one solution in one bottle
Fast and convenient: uses only water for destaining
Highly sensitive: detects proteins at nanogram level

Protocol

For Staining mini-gel (10cm x 10cm x 1mm)

1. Washing

Fill a tray with 100 ml deionized water. Immerse the gel gently. Shake carefully for 5 minutes, then dispose the water from the tray. Repeat twice.

2. Staining

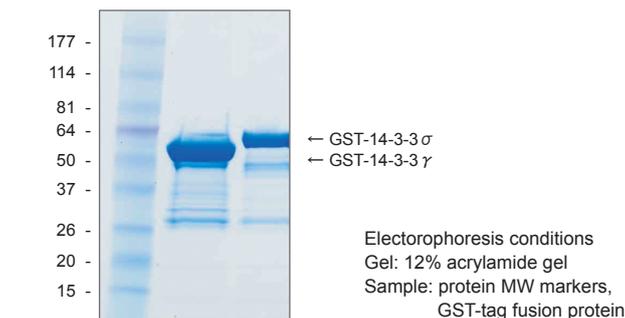
Pour enough product (20-50 ml) into the tray to cover the gel. Shake gently for 1 hour.

3. Destaining

Remove the staining solution from the tray. Rinse the gel with deionized water 2-3 times.

Application 1

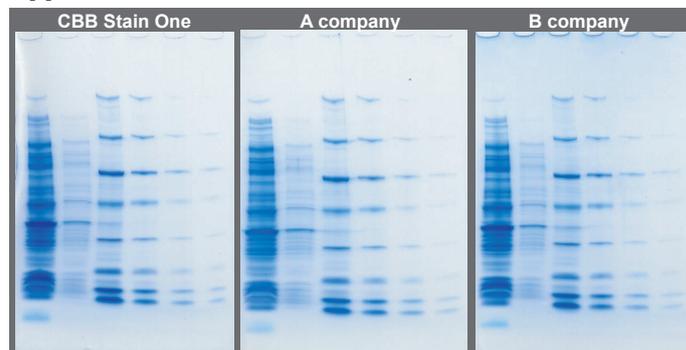
Gel stained with CBB Stain One



After electrophoresis, the gel was rinsed with deionized water to remove SDS, then stained with CBB Stain One for 1 hr. Clear bands were obtained by destaining with deionized water.

Data courtesy of Dr. K. Yoshida., Department of Molecular Genetics,
Medical Research Institute, Tokyo Medical and Dental University

Application 2



• Conditions

- Gel : ReadyGel 4-20%
- Buffer solution : Tris/Glycine/SDS buffer solution (400ml)
- Electrophoresis : 80mA (constant voltage)
- Wash : water (50ml) 3 times
- Staining time : 1 hr.

• Sample

- Lane 1 : *E. coli* proteins (SDS, with 2ME buffer extraction) 5 μ l
- Lane 2 : *E. coli* proteins (SDS, with 2ME buffer extraction) (10 time dilution) 5 μ l
- Lane 3 : protein markers (1.7 μ g/ μ l) 2 μ l
- Lane 4 : protein markers (550 ng/ μ l) 2 μ l
- Lane 5 : protein markers (170 ng/ μ l) 2 μ l
- Lane 6 : protein markers (55 ng/ μ l) 2 μ l

Caution

- The protocol above is for staining mini-gel (10cm x 10cm x 1mm). Increase volume for large size gels.
- Wear protective gloves while handling the product.
- The product is acidic dye-solution. Discard it according to the regulations in your region.
- The stain intensity may decrease if the gel is left in the water for more than 2 days.

Storage

Protect the product from direct light, and keep it in dark place.

Ordering Information

Product name	Grade	Storage	Code No.	PKG Size
CBB Stain One	SP	RT	04543-51	1 L
(Ready To Use)			04543-64	5 L

For research use only, not intended for diagnostic or drug use.

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