

Electrophoresis Reagents

Protein Staining Reagent

New **Coomassie Brilliant Blue G-250** (Ready-to-use solution) [for Electrophoresis] 500mL [C3488]

Application

- 1) After electrophoresis, wash the gel with deionized water for 5 minutes three times.
- 2) Remove the water used for washing, add **C3488** till the gel is soaked, and let the gel stain for 1 hour while shaking gently at room temperature.
- 3) Remove the staining solution, destain the gel with deionized water for 1 hour and check it.
- 4) If the background is high, destain the gel with deionized water overnight at room temperature.

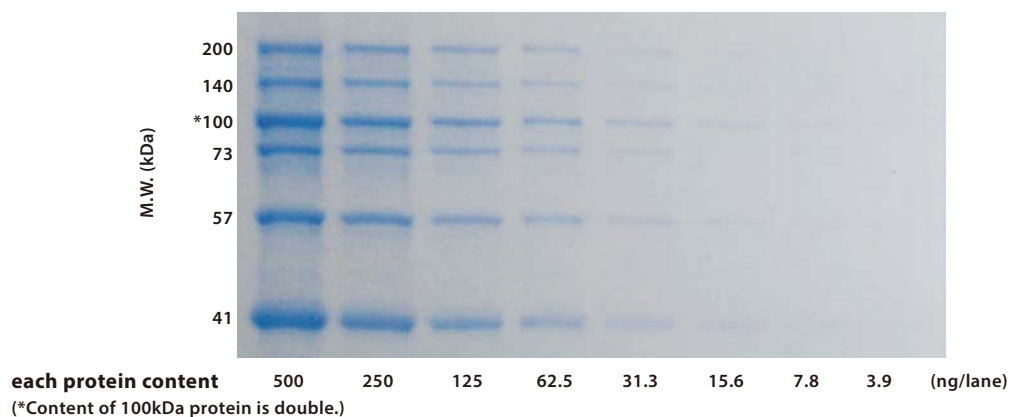


Figure. Proteins stained by the above method (destained overnight)

Nucleic Acid Staining Reagent

New **Ethidium Bromide** (0.5mg/mL in Water) (in Dropper Bottle) [for Electrophoresis] 10mL [E1363]



Each drop contains 20 μg of Ethidium Bromide, so you can easily adjust the solution as final concentration. Convenient and safe to use because of dropper bottle.

Application

After electrophoresis, dilute **E1363** (1 drop / 40 mL) to 0.5 $\mu\text{g}/\text{mL}$ with water or running buffer and incubate the gel for 15 min. If you have to decrease background fluorescence, wash the gel in water for 15 minutes. In use of electrophoresis buffer solution, Ethidium Bromide incorporated into nucleic acid and can visualize band immediately by using UV transilluminator.

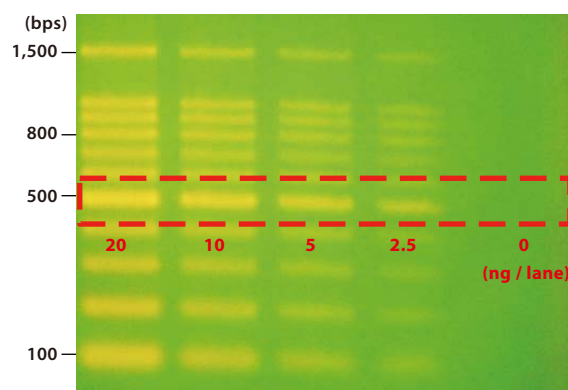


Figure. DNA Ladder Marker stained by the above method (destained 15 min)

Reagents for gel preparation, buffer preparation, etc.

(New) 2X SDS-PAGE Sample Buffer (2-Mercaptoethanol free)	25mL [B5834]
Acrylamide Monomer	25g / 500g [A1132]
Ammonium Peroxodisulfate	5g / 25g [A2098]
Bromophenol Blue Sodium Salt (= BPB)	1g [B3195]
DL-Dithiothreitol (= DL-DTT)	1g / 5g [D3647]
Glycerol	1g [G0316]
Glycine	25g / 500g [G0317]
2-Mercaptoethanol	5g / 25g [M1948]
N,N'-Methylenebisacrylamide	25g / 100g [M0506]
Sodium Dodecyl Sulfate (= SDS)	25g / 500g [S0588]
N,N,N',N'-Tetramethylethylenediamine (= TEMED)	5g / 25g [T2515]
Tris(hydroxymethyl)aminomethane (= Tris-Base)	25g / 500g [T2516]

Reagents for protein staining and others

Acid Black 1 (= Amido Black 10B)	5g [A2097]
Acid Red 112 (= Ponceau S)	1g / 5g [A2256]
Coomassie Brilliant Blue G-250	5g [B3193]
Coomassie Brilliant Blue R-250	5g [B3194]
Fast Green FCF	5g [F0718]
Sodium Deoxycholate	25g [D1820]
6-Aminohexanoic Acid	5g / 25g [A2255]

For further information please refer to our website at www.TCIchemicals.com. ▶▶▶



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