ProsiBlue Gel Staining Solution

P7300

Storage

Store at Room Temperature.

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Shipping Condition

Ship at ambient.

Introduction

GenDEPOT's ProsiBlue Gel Staining Solution is a conenient alternative to tradi -tional Coomassie Blue Staining procedures. Coomassie Blue staining requires a methanol and acetic acid solution to achieve staining and destaining. This process increases the risk for hazardous exposure and produces and unpleasant pungent odor. ProsiBlue Gel Staining Solution does not contain methanol and acetic acid and does not require hazardous solvents for destaining. Ths simple staining/destaining procedure saves time while reducing saves time while re -ducing the handling of hazardous materials and solvent waste in laboratory.

Usage

ProsiBlue Gel Staining Solution exhibits sensitivity below 20 ng of protein per band. Packaged as a 1X ready-to-use solution, ProsiBlue Gel Staining Solution only requires water for the prewashing and destaining steps.

Procedure - Detection limit up to 20 ng of Protein (BSA)

Mix the ProsiBlue Gel Stainiong Solution immediately before use by gently inverting the bottle a few times (do not shake the bottle to mix the solution).

General Procedure

1. Pre-Wash with Deionized Water for 15 min.
2. Staining with ProciBlue Gel Staining Solution for 1 hour.
   Note: Completely submerge the gel (Be sure that the gel moves freely). Typically, ~20 mL is needed to cover 1.5-mm mini-gels.
3. Destain in Deionized Water (~ 100 mL for mini-gels) for 30 - 60 min.

Procedure - Detection limit up to 6 ng of Protein (BSA)

Mix the ProsiBlue Gel Stainiong Solution immediately before use by gently inverting the bottle a few times (do not shake the bottle to mix the solution).

General Procedure

1. Pre-Wash with Deionized Water for 15 min.
2. Staining with ProciBlue Gel Staining Solution for 1 hour.
   Note: Completely submerge the gel (Be sure that the gel moves freely). Typically, ~20 mL is needed to cover 1.5-mm mini-gels.
3. Destain in Deionized Water (~ 100 mL for mini-gels) for 6 - 12 hours.

Procedure - Detection limit up to 2 ng of Protein (BSA)

Mix the ProsiBlue Gel Stainiong Solution immediately before use by gently inverting the bottle a few times (do not shake the bottle to mix the solution).

General Procedure

1. Pre-Wash with Deionized Water for 15 min.
2. Staining with ProciBlue Gel Staining Solution for 2-4 hours.
   Note: Completely submerge the gel (Be sure that the gel moves freely). Typically, ~20 mL is needed to cover 1.5-mm mini-gels.
3. Destain in Deionized Water (~ 100 mL for mini-gels) for 12 -24 hours.

Procedure for Gel Drying

1. Incubate the gel in a 'gel drying solution' (e.g. 4% glycerol, 20% ethanol in water) for 2 minutes. Incubation of any Coomassie®-stained gel in an alcohol solution will eventually result in destaining of the bands so avoid incubation for longer than 5 minutes.
2. The gel is now ready for drying between wetted cellophane membranes.

Protocol for destaining protein bands for MS analysis

1. Excise the protein band of interest and transfer to a clean sample tube.
2. Add 1 ml of 30% ethanol or 30% acetone or 30% acetic acid.
   Note: Acetic acid may result in acetylation of the N-terminus).
3. Incubate for 20 min (incubate at 60°C – 70°C to increase the rate of destaining).
4. Decant supernatant and repeat steps 2 & 3 step at least 3 times or until gel is clear.

Related Products

Product Name	Cat No
Albumin, Ultra pure Bovine Serum Albumin	A0100
Xpert Protease Inhibitor Cocktail Solution (100X)	P3100
Xpert 2 Prestained protein marker	P8502
Tween 20, Molecular Biology Grade	P9100
West-Ez Blocking Buffer, 3% BSA	W3710
West-Q Chemiluminescent Substrate Kit	W3650
West-Q Chemiluminescent Substrate kit, Plus	W3651
West-Ez Stripping Buffer	S2100

GenDEPOT PO Box 454 Barker, Tx 77413 tech@gendepot.com