

Protein Detective

Ultrafast Coomassie Protein Stain

Directions for Use



Description

Protein Detective is a one-step protein gel stain that requires no pre or post gel treatment. Simply run your protein gel, add the dye and watch your bands appear.

Quantity: 1 x 1000 ml bottle

Product Code: Art. N° BZL-PD1

Storage: 4°C

Shelf Life: 1 year

Usage

Add sufficient staining solution to cover the gel completely. Incubate at room temperature for the times listed below for the lowest detectable level in a protein band. Agitate gently if possible.

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|----|-----------------|------------|
| 1) | 1 µg or more | 2 minutes |
| 2) | 100 ng to 1 µg | 10 minutes |
| 3) | 10 ng to 100 ng | 60 minutes |

These times can be reduced by placing the gel in the staining solution in a microwave oven for 20 seconds.

For maximum sensitivity, follow staining with 20 minutes of gentle agitation in dionised water.

Protocol for Mass Spectrometry

- 1) Cut out protein band and place in microcentrifuge tube.
- 2) Add 1 ml 30% ethanol or 30% acetone (30% acetic acid may be used but will result in acetylation of N-terminus).
- 3) Incubate for 30 minutes.
- 4) Repeat steps 2 and 3 until all stain is removed from protein (typically 2 or 3 washes are required for complete stain removal).
- 5) Process as typical for mass spec analysis.