

Product No. 08500

His-Detect In- Gel Stain

Features

- Stain His-tagged fusion proteins directly in gels without western blotting
- Detect picomolar level of His-tagged fusion proteins within an hour
- No fluorescent image analyzer or transilluminator required

Required equipment

Dispotray-S (Product No. 16526)
Dispotray-M (Product No. 16551)

Protocol

For staining mini-gel (100 mm x 100 mm x 1 mm)

1. Staining

Put polyacrylamide gel in the tray, and add 50 mL of His-Detect In-Gel Stain. Shake for 30 minutes. Decant the stain.

2. Washing

Wash the gel twice with 100 mL of deionized water for 10 minutes each.

Attention

- His-Detect In-Gel Stain can detect as little as 28 picomoles of His-tagged fusion proteins (e.g. equivalent to 1 μ g of 35.6 kDa of His-tagged fusion proteins) by visual inspection. The staining result depends on the number of moles of proteins because one molecule of this product binds to one molecule of His-tag.
- His-Detect In-Gel is a reagent for staining metal-binding proteins. Non-specific bands may occur depending on the sample.

Caution

- The protocol above is for staining mini-gel. Increase volume for a large size gel (e.g. use 250 mL of His-Detect In-Gel Stain for a gel of 180 mm x 180 mm x 1mm dimension). The detection sensitivity may decrease when insufficient staining solution is used.
- The His-Detect In-Gel Stained gel is compatible with any downstream application such as CBB staining [CBB Stain One(Ready To Use)(Product No. 04543)], silver staining [Sil-Best Stain One(Product No. 06865)] and western blotting. To perform western blotting, equilibrate the gel in 1x running buffer [Running Buffer Solution (10x) for SDS-PAGE (Product No. 30329)] for 30 minutes before blotting.
- The part of gel may change color when samples are reduced with DTT or TCEP. Wash the gel twice with 100 mL of Purified water for 10 minutes before staining with His-Detect In-Gel Stain.

Storage

Room temperature

Expiration

Expiration date is stated on the product label.

Packing

100 mL (Product No.08500-94)
500 mL (Product No.08500-65)