PRODUCT INFORMATION

Silver-DeStain Kit (PSSD-0025)

Product Information for PSSD-0025:

Introduction:

Silver staining is one of the most sensitive methods for detecting proteins and nucleic acids. One of the most common problems associated with silver staining of gels is detection and resolution of both weak and strong bands or spots on the gel. If a gel is developed for detecting stronger bands or spots, the weaker bands or spots are either hard to be detect or not be detected at all. If, on the other hand, a gel is developed to detect weaker bands or spots, the stronger bands or spots will become too dark, obscuring resolution of the entire gel. The kit is specifically developed for detecting all of the images in any gel -weaker as well as stronger signals. It allows either complete or partial de-staining of acrylamide gels. The de-stained or partially de-stained gels are ready for any downstream applications, including re-staining with any method to obtain satisfactory resolution of the gel. The kit is suitable for both protein and nucleic acid acrylamide gels. It is sufficient for processing at least 25 mini gels.

Component:

DeStain Part-I	250 ml
DeStain Part-II	250 ml

Procedure:

1 Wash the silver stained gel 3-4 times, 10 minutes each, with generous amount of de-ionized water.

2 Prepare a working reagent solution -mix equal volumes of Part-I and Part-II. Note: Prepare sufficient volume of reagent solution to completely submerge the gel to be de-stained. For a mini gel, mix 10 ml from each part. For larger gels, increase the volume as necessary. For partially de-staining of a gel or for allowing the de-staining to proceed at a slower rate for better control, dilute the working reagent solution by 3-5 fold with pure water.

3 Transfer the gel into working reagent. Gently rock the gel.

4 Observe the gel for de-staining. De-staining may be stopped at any stage or when desired result is achieved. De-staining is generally complete within 5 -10 minutes. Some strong bands/spots may take longer to de-stain.

5 When the gel has reached the desired resolution, quickly rinse the gel twice with de-ionized water. Wash the gel three times, 5-10 minutes each with water. The gel is now ready for next step.

Re-Staining Gels

The de-stained gel is ready for downstream processing, including re-staining.

Transfer Work:

If the de-stained gel is to be used for transfer of protein or nucleic acids to transfer membranes (Western or Northern Transfer), before transfer, the gel should be soaked in enough amount of transfer buffer for 30-50 minutes.

Storage:

The kit is shipped at ambient temperature. Upon arrival, it should be stored at 10-25°C.

U.S. Biotech Sources, LLC, Britannia Business Center, Research Dr, Richmond, CA 94820
Tel. (510) 488-3671; (510) 932-8735; (510) 734-3371; Fax (510) 758-9488
info@usbiotechsources.com; www.usbiotechsources.com