INSTRUCTIONS FOR USE

SERVA *Densi*Stain Blue G Staining Solution Cat. No. 35078

Product description:

Components	500 ml 2x concentrate *Densi*Stain Blue G Staining Solution
Application	SERVA *Densi*Stain Blue G Staining is a very sensitive, fast and easy staining method for SDS-PAGE and native gels on the basis of colloidal Coomassie Blue G®*, that uses dist. water as a destain.
Features	• Very low background staining, ideal for densitometric analysis • Staining solution three times re-usable • Concentrate contains no alcohol or strong acids • Detection limit (for BSA): ca. 30 ng • Sufficient for 20 mini gels (8 x 10 cm) or 10 standard gels (16 x 18 cm)
Storage Conditions	After delivery store at room temperature. The concentrate is stable until: see Certificate of Analysis

Instructions for use:

Note: *The colloidal dye will form a sediment at the bottom of the container. You have to shake well before use.*

Staining

1. **SDS PAGE:** previous fixation is not necessary.
   Native gels: Fix gel in 20 % (w/v) trichloroacetic acid for 20 min., then wash it for about 1 min. in distilled H_2O before staining.
2. For staining dilute 2x concentrate in the ratio **1:1** with distilled H_2O (mini gel: about 25 ml each).
3. **Stain** gel with gentle shaking (shaker with ca. 50 – 100 rpm) for at least **30 minutes**. Highest sensitivity will be achieved by staining for 60 minutes. Longer staining times will only increase the background staining.

Destaining Wash gel after staining for **2 x 30 minutes** in H_2O dest. The band intensity will increase significantly after neutralization in water.

Note: During staining with solutions containing no alcohol gels not bound to a support film may swell. Gels can be reshaped by addition of 20 – 30 % alcohol during destaining of the gels in water. Do not add alcohol to the staining solution as this will increase the background staining.

*Coomassie is a tradename of ICI, UK

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