

Coomassie Blue Staining Acrylamide Gels

1. Remove gel from apparatus and place into a small tray (e.g. a lid for a pipet tip box)
2. Submerge gel in Coomassie Staining Solution (below)
3. Gently shake or rock at room temp for 1 hour (or more if necessary)
4. Pour off Coomassie Staining Solution and submerge gel in Destain A
5. Shake or rock for 30-60 minutes
6. Pour off Destain A and submerge gel in Destain B
7. Continue shaking or rocking until gel is destained to desired level

*tip: place a kimwipe in the tray with the gel during Destain B. This will assist in the destaining.

Coomassie Staining Solution

(0.025% [w/v] Coomassie Brilliant Blue, 40% methanol, 7% acetic acid)

0.25 g Coomassie Brilliant Blue
400 ml methanol
70ml glacial acetic acid
H₂O to 1L.

Dissolve Coomassie Brilliant Blue in methanol before adding acetic acid and H₂O. Store Coomassie Staining Solution in a sealed bottle at room temp.

Destain A

(40% methanol, 7% acetic acid)

400 ml methanol
70ml glacial acetic acid
H₂O to 1L.

Store Destain A in a sealed bottle at room temp.

Destain B

(5% methanol, 7% acetic acid)

50ml methanol
70ml glacial acetic acid
H₂O to 1L.

Store Destain B in a sealed bottle at room temp.