

Product information

QF 24 V4
CV1 2019

Ultra-Sensitive Coomassie Blue Stain Solution

Catalog #: SK3011
Concentration: 1x Strength Solution
Size: 200ml (10 minigels)
Storage: 4°C

Product Description:

The Ultra-Sensitive Coomassie Blue Stain Solution, based on Coomassie dye (G-250), is an enhanced protein stain that offers unsurpassed sensitivity and rapid band visualization. Supplied in a ready-to-use format of 1XStrength Solution, the staining solution is added directly to protein gels following electrophoresis after a brief wash step. The solution is a sensitive stain that is able to detect as little as 5ng protein. Protein bands are visible in as little as 3 minutes, with maximal staining achieved in an hour. 200ng BSA is detectable in 5-10 minutes and the levels of BSA (5-8ng) become clearly visible after washing steps. The solution is sufficient for 10 minigels.

Components:

Name	Size
Ultra-Sensitive Coomassie Blue Stain Solution	200ml

Storage:

Transportation and storage at room temperature.
One year expiration

Procedure:

1. Place protein gel in a plastic box. Wash with DDH₂O three times and 5 min each time.
2. Add 20ml Ultra-Sensitive Coomassie Blue Stain Solution and agitate on a platform mixer for 60 mins.
3. Discard Coomassie Blue Stain Solution. Add 20ml DDH₂O and agitate on a platform mixer for 10 mins. Repeat wash step once more and as little as 5ng protein band should become visible.
4. Keep the protein gel in DDH₂O for analysis.

Features:

- ▶ Sensitive, 5-8ng BSA.
- ▶ Saves time, band develops within 3 minutes.
- ▶ Avoids the use of methanol, acetic acid, or other toxic agents.
- ▶ Works with native PAGE, SDS-PAGE, isoelectric focusing, or 2D gels.

Notes:

1. The staining box or dish should have dimensions that are similar to the size of gel to minimize the volume of staining solution required. The solutions must completely cover the protein gel.
2. Invert the Coomassie Blue Stain Solution bottle for a few times before use.
3. If IEF gel is used, please first fix the gel with 20%TCA for 30 mins. Then Wash with DDH₂O three times and 10 min each time to completely remove TCA residuals.
4. 20ml is suitable for 80×60×1mm minigel. If a bigger gel is used, please add more staining solution to completely cover the protein gel.
5. Step 1 can completely remove SDS in gel, in case of interference to gel stain.
6. The Coomassie Blue Stain Solution can only be used for in-vitro experiments.



PRODUCTS ARE INTENDED
FOR SCIENTIFIC RESEARCH
ONLY. NOT INTENDED FOR
HUMAN OR ANIMAL USE.