

Product information

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Protein Stain-EZG Rapid Coomassie Blue Stain Solution

Catalog #:	BSP041
Concentration:	1 x Strength
Size:	500ml
Storage:	Room Temperature (one year expiration)

Product Description:

The Protein Stain-EZG Rapid Coomassie Blue Stain Solution is an enhanced protein stain that offers unsurpassed sensitivity and rapid band visualization. BSP041 is supplied in a ready-to-use format of 1X Strength Solution and can be 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 after an hour. 200 ng BSA is detectable in 5-10 minutes and the low levels of BSA (5-8ng) become clearly visible after 1 hour when washed in water. 500 ml solution is sufficient for 20-25 minigels.

Features:

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

Composition:

Protein Stain-EZG Rapid Coomassie Blue Stain Solution, 500ml

Procedure:

1. Place protein gel in a plastic box. Wash with DDH₂O three times for 5 min each.
2. Add 20ml Protein Stain-EZG Rapid Coomassie Blue Stain Solution and agitate (on a platform mixer) for 60 minutes.
3. Discard Protein Stain-EZG Rapid Coomassie Blue Stain Solution. Add 20ml DDH₂O and agitate (on a platform mixer) for 10 minutes. Repeat wash step once more. Protein bands as small as 5ng should become visible.
4. Keep the protein gel in DDH₂O for analysis.

Notes:

1. The staining box or dish should have dimensions that are similar to the size of the gel in order to minimize the volume of staining solution required. The solutions must completely cover the protein gel.
2. Always invert the Protein Stain-EZG Rapid Coomassie Blue Stain Solution bottle a few times before use.
3. If using this product for an IEF gel, the gel should first be fixed with 20% TCA for 30 minutes, then washed with DDH₂O three times for 10 min each to completely remove TCA residue.
4. Recommended volume of 20ml is suitable for an 80×60×1mm minigel. If using larger gels, increase the volume of staining solution accordingly to completely cover the protein gel.
5. Always wash the gel with DDH₂O three times to remove SDS from the gel. SDS can interfere with the gel stain.
6. The Protein Stain-EZG Rapid Coomassie Blue Stain Solution can only be used for in vitro experiments.



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