

# Product Datasheet

## 5X COOMASSIE nano Concentrate Protein Staining Solution

**NBP3-33179**

Unit Size: 1 L

Store at room temperature.

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Updated 8/10/2025 v.20.1

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**NBP3-33179****5X COOMASSIE nano Concentrate Protein Staining Solution**

<b>Product Information</b>	
<b>Unit Size</b>	1 L
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at room temperature.
<b>Reconstitution Instructions</b>	Prepare a 5L bottle. Unpack and pour the liquid content into the bottle. Rinse residual reagent in the original bottle with deionized water. Add deionized water until the volume reaches 5L.

<b>Product Description</b>	
<b>Description</b>	<p>5X COOMASSIE nano, innovatively enhanced by proprietary nano-technology, is a concentrated, easy-to-reconstitute protein staining solution for SDS-PAGE gels. Coomassie blue protein staining is widely used in gel electrophoresis techniques for visualizing protein bands. This next generation Coomassie dye is formulated for quick protein detection and higher sensitivity. Additionally, 5X COOMASSIE nano eliminates the need for traditional destaining and wash steps. In the absence of hazardous substances such as methanol and acetic acid, 5X COOMASSIE nano is considered safe and environmentally friendly by reducing carbon footprint by as much as 80%. Besides western blot, this Coomassie protein stain is also compatible with mass spectrophotometry.</p> <p><b>Key Features:</b></p> <ul style="list-style-type: none"> <li>• Quick Staining - Achieve vibrant blue staining results in minutes</li> <li>• No Destaining Required</li> <li>• No Washing Step Needed</li> <li>• Non-Hazardous Material - Ensures a safe and environmentally friendly staining experience</li> <li>• High Sensitivity</li> </ul>

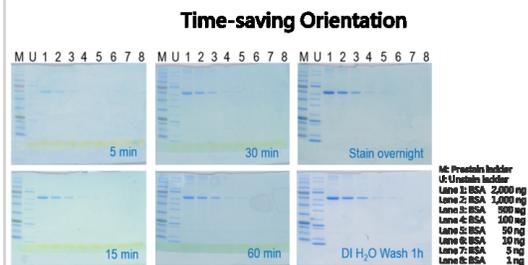
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	There is no risk of excessive staining. Instead, superior visibility for each band is achieved when the gel is submerged overnight. Carefully mix COOMASSIE nano up and down few times before use. If the gel is thicker than mini-gel (1mm), it will take longer to incubate. The staining solution may contain blue clumps. This is normal and easily dissolved in distilled water

## Images

Western Blot: 5X COOMASSIE nano Concentrate Protein Staining Solution [NBP3-33179] - COOMASSIE nano Protein Staining Solution practices the fast-signal representing at 5 min. Prestained protein ladder, unstain protein ladder, and BSA were prepared and applied in electrophoresis. After running SDS-PAGE (4-20% Novex Gel), please remove the gel from the cassette then proceed to submerge the gel in proper amount of COOMASSIE nano dye, enough to cover the gel. Lightly agitate the staining box for 5 minutes to over night at room temperature.



Western Blot: 5X COOMASSIE nano Concentrate Protein Staining Solution [NBP3-33179] - COOMASSIE nano Protein Staining Solution practices the fast-signal representing at 5 min. Prestained protein ladder, unstain protein ladder, and BSA were prepared and applied in electrophoresis. After running SDS-PAGE (4-20% Novex Gel), please remove the gel from the cassette then proceed to submerge the gel in proper amount of COOMASSIE nano dye, enough to cover the gel. Lightly agitate the staining box for 5 minutes to over night at room temperature.





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