



Blue BANDit™ Protein Stain

Code	Description	Size
K217-Q-100ML	Blue BANDit™ Protein Stain	100 mL
K217-250ML	Blue BANDit™ Protein Stain	250 mL
K217-1L	Blue BANDit™ Protein Stain	1 L
M192-1L	Blue BANDit™ Protein Stain	1 L

General Information

Blue BANDit™ Protein Stain is a safer and more environmentally friendly alternative to traditional Coomassie® Blue staining procedures. This ready-to-use stain utilizes deionized water for destaining, thereby reducing the handling of hazardous materials and solvent waste in the lab. The easy protocol requires a pre-wash in water for 15 minutes, 1 hour of staining in Blue BANDit™ Protein Stain, and subsequent destaining in water. As the bands appear on the gel, the background remains clear, providing excellent visibility of proteins. Provides sufficient material for 50 mini-gels (1 L) or 12 mini-gels (250 mL).

- Sensitivity below 20 ng of protein per band
- No methanol or acetic acid - uses water for destaining
- Ready-to-use stain reduces solvent waste disposal

Storage/Stability

Store at room temperature (18 – 26°C).

Product Use Limitations

For research use only. Not for therapeutic or diagnostic use.

Protocol/Procedure

Protein staining of polyacrylamide mini-gels

1. Following electrophoresis, wash the gel three (3) times for 5 minutes each in 200 mL of deionized water with gentle agitation.
2. Discard the water and add at least 20 mL of Blue BANDit™ Protein Stain, ensuring the gel is completely submerged. Cover the gel and stain for 1 hour with gentle agitation.
3. Rinse the gel with several changes of at least 200 mL of deionized water for a minimum of 30 minutes to overnight with gentle agitation. Stained proteins will begin to appear as blue bands on a clear background. Low protein concentrations may require longer destaining times.

Frequently Asked Questions

Why is the background high on the gel after staining?

- The gel must be rinsed well in deionized water prior to staining because residual SDS can result in high background staining and lower protein staining intensity.

Can large gels be stained with the same procedure as for mini-gels?

- Use twice as much volume for each step when staining large gels.

How should the gel be stored after destaining?

- The gel may be stored in deionized water or dried by a standard gel drying procedure.

Will increasing the incubation time in Blue BANDit™ Protein Stain result in better staining?

- Longer staining will not affect background staining and will not lead to significant improvement in band intensity. Protein staining is optimal within an hour of staining.

Can Blue BANDit™ Protein Stain be reused multiple times?

- Although it is possible to detect protein with reused staining solution, optimal results are obtained with fresh stain.



For Technical Support

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ZY0599

Rev. 1 12/2015

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