

## **NEW** One-step Staining and Destaining

Agarose gels can be stained overnight with InstaStain® Methylene Blue cards in one easy step -- an excellent alternative if time does not permit staining during a regular class session.

1. Remove the agarose gel from its bed and totally submerge the gel in a small, clean tray. To stain a 7 x 7 cm gel, add 75 ml of distilled or deionized water. The agarose gel should be completely covered with liquid.

Do not stain gel(s) in the electrophoresis apparatus.

2. Gently float a 7 x 7 cm card of InstaStain® MetBlue with the stain side (blue) facing the liquid.
3. Let the gel soak in the liquid overnight. The gel will be stained, destained and ready for photography the next day.



Visit our web site for animated demonstrations of InstaStain®.

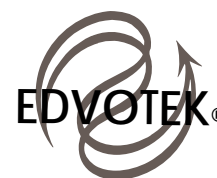
## **InstaStain® Methylene Blue**

InstaStain is a registered trademark of EDVOTEK, Inc. Patents Pending.

EDVOTEK electrophoresis experiments feature a safe and easy-to-use stain for DNA gels called InstaStain®. InstaStain® Methylene Blue cards stain gels in minutes and give excellent, high quality results for photography. They are environmentally friendly and do not require disposal of large volumes of liquid stain and waste.

InstaStain® Ethidium Bromide and Protein InstaStain® are also available from EDVOTEK.

EDVOTEK, Inc.  
1-800-EDVOTEK  
www.edvotek.com



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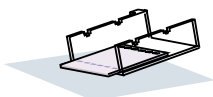
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## Stain DNA with InstaStain® MetBlue

1. After electrophoresis, place the agarose gel on a flat surface covered with plastic wrap.



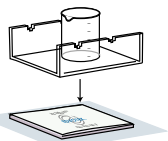
2. Wearing gloves, place the blue dye side of the InstaStain® MetBlue card on the gel.



3. Firmly run your fingers several times over the entire surface of the InstaStain® card to establish good contact between the card and gel.



4. To ensure continuous contact between the gel and the InstaStain® card, place a gel casting tray and small weight on top of the InstaStain® card.



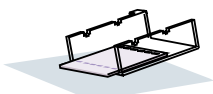
5. Allow the InstaStain® Methylene Blue to sit on the gel for 5 to 10 minutes.

Note: Staining time is optimized for 0.8-1.0% gels. Gels of higher concentrations will take longer to stain.

6. After staining, remove the InstaStain® card. If the gel color appears very light, wet the gel surface with distilled or deionized water and place the InstaStain® card back on the gel for an additional 5 minutes.

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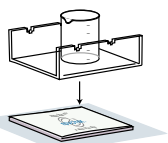
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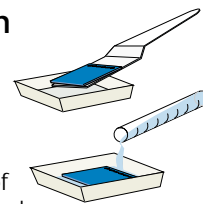
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## Destaining and Visualization

7. Transfer the gel to a large weigh boat or small plastic container and destain with distilled water.



- Add approximately 100 ml of distilled water to cover the gel.
- Continue destaining by changing the distilled water as needed.

To accelerate destaining, use 37°C water. The larger DNA bands will initially be visible as dark blue bands against a lighter blue background. When the gel is completely destained, the larger DNA bands will become sharper and the smaller bands will be visible. With additional destaining, the entire background will become uniformly light blue.

8. Carefully remove the gel from the destain solution and view on a Visible Light Visualization System.

9. If the bands are difficult to see, repeat the staining and destaining procedures.

### Ordering Information:

#### InstaStain® Methylene Blue

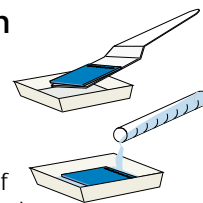
Cat. #2003	for 40 gels, 7 x 7 cm	\$35
Cat. #2004	for 100 gels, 7 x 7 cm	75
Cat. #2006	Roll, 14 x 350 cm	75

#### InstaStain® Ethidium Bromide

Cat. #2001	for 40 gels, 7 x 7 cm	\$35
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