



IMAGING AND ANALYSIS SOFTWARE

Getting Started with ChemiDoc™ and ChemiDoc MP Sample Trays

Quick Guide

The following trays, accessories, and applications are supported for use with the imaging systems. The Blot/UV/Stain-Free Tray ships with the product; all other trays are optional accessories.

Tray Type or Accessory	Description
Blot/UV/Stain-Free Tray (catalog #12003028)	<p>Use with the following applications:</p> <ul style="list-style-type: none">Fluorescence blotsChemiluminescenceStain-free gels and blotsRhodamineCoomassie blue stainSYPRO StainsEthidium bromide (EtBr)SYBR® StainsOriole™ Fluorescent Gel StainGelRed <p>Caution: You must use the accessory ChemiDoc UV Shield with the Blot/UV/Stain-Free Tray during any band excision procedure. This UV shield reduces exposure to UV rays.</p> <p>Caution: Before you perform band excision, you must protect yourself from UV radiation by wearing protective gear, including UV protective safety glasses, a mask, lab coat, and gloves.</p>
White Tray (catalog #12003026)	<p>Use with protein applications that call for colorimetric stains:</p> <ul style="list-style-type: none">Coomassie blue stainCopper stainSilver stainZinc stainFast Blast™ DNA Stain
Blue Tray (catalog #12003027)	<p>Use with all nucleic acid applications that use blue excitable safe stains:</p> <ul style="list-style-type: none">SYBR® GreenSYBR® SafeSYBR® GoldGelGreenFluoresceinGelStar <p>Note: The Blue Tray prevents UV damage to nucleic acids during the imaging process and protects the user from exposure to UV rays during band excision. View Goggles (catalog #10042285) are included.</p>
ChemiDoc UV Shield (catalog #12003914)	Must be used with the Blot/UV/Stain-Free Tray when performing band excision.

Caution: Chemiluminescent substrates are caustic and will etch all forms of glass over time. Use plastic film or sheet protectors to avoid applying the substrate directly to the glass on the tray. Wash trays immediately after use if substrate was applied.

Caution: Do not clean the trays in a dishwasher; doing so can damage the trays. Avoid using hot water.

Using the Trays

1 Clean the Tray

Clean the tray with standard laboratory detergents or mild solvents, such as ethanol or methanol. Use lint free tissue

to wipe it dry. Dust particles or lint on a sample tray can glow under UV illumination.

2 Dry the Tray

Dust particles or lint on a sample tray can glow under UV illumination.

Wipe the tray dry using a lint free tissue.

3 Turn on the System and Insert the Tray

Turn on the imager. Insert the tray into the imager and close the door.

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