Azure™ c150 and c200

Gel Imaging Workstations

Gel
Documentation
Made Simple

azure
biosystems

Smart Imaging Technology

No Focusing

Regardless of the size of your gel, all images are in focus without adjusting the focus.

No Positioning

Perfect images no matter where you place the sample in the imager.

Automatic Imaging

Select the application, and the instrument will choose the light sources and filters for you.

Fully Upgradeable

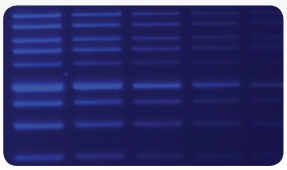
The c200 can be easily upgraded at a later time to accommodate additional applications, including chemiluminescence.

Application Flexibility

"Safe" Dye Detection

An alternative to ethidium bromide, less-harmful 'Safe' dyes can be imaged with the EPI Blue LEDs standard in the system.

Blue Light Imaging

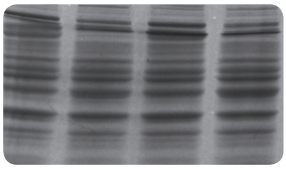


SYBR® Safe, SYBR® Gold, SYBR® Green

Protein Analysis

Protein gels stained with Coomassie blue or silver stain can easily be imaged using the visible light application.

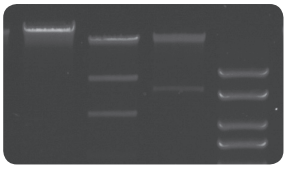
White Light Imaging



Coomassie Blue, Silver Stain

DNA Detection with Ethidium Bromide

UV Imaging



Ethidium Bromide

With the a dual-wavelength 302 nm and 365 nm UV transilluminator, images of ethidium bromide-stained DNA gels can be captured in a fraction of a second. An interlock switch prevents accidental exposure to UV. For band excision, the switch can be overridden with the press of a button, and the UV transilluminator can be pulled out.

AzureSpot Analysis

With the c200, AzureSpot software provides tools for the analysis of gels and blots, AzureSpot makes complex analysis a simple process. Designed to be either fully automated or manually configured, AzureSpot provides flexibility and accuracy for your data analysis.

Tools for...

- ✓ Automatic Lane and Band Detection
- ✓ Molecular Weight Analysis
- ✓ Quantity Calibration
- ✓ 2D Densitometry
- ✓ Annotation
- ✓ Multiplex Analysis

AzureSpot comes standard with the Azure family of imaging systems as a stand alone license or network license. **AzureSpot includes:** Automatic PDF report generator, Lane creation, Background subtraction, Band detection, Molecular size/pI calibration, Quantity calibration toolbox, Module for easy shape selection/deselection, Wide range of data fields to display in measurements, Annotation tools for comments and highlighting of image.

Remarkable Design

High Resolution Camera
Capture the finest details of your sample with 5.4 MP high resolution imaging.

Tablet
10.1” tablet controls the system with the touch of a finger. Networking is easy, with WiFi or Bluetooth.

Dual-Focus Technology
Image samples in perfect focus, and with optimal lens settings, without having to touch the camera.

Multiple Filter Positions
The c200 comes standard with a 7 position motorized filter wheel. The c150 has a 3 position manual filter slider.

Lens
Computer controlled, hands-free lens optics

Light Tight Darkroom
Darkroom with automated software controls.

EPI White Lights
Provide overhead illumination for white light imaging.

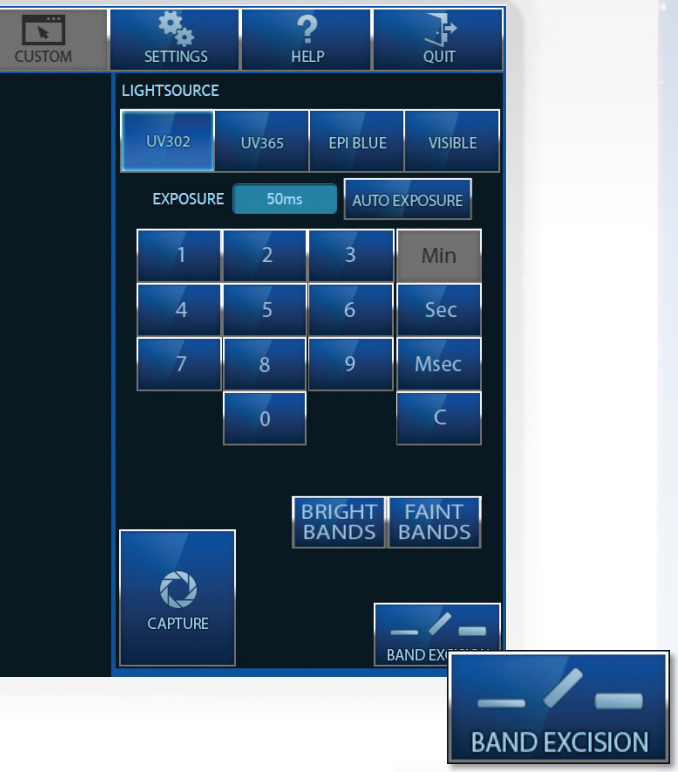
EPI Blue LED at 470 nm for Blue-Excited DNA Dyes
All systems come standard with excitation for dyes like SYBR® Safe, enabling the user to use dyes that are less harmful to the DNA sample, and to the environment.

3 USB Ports
Connect to a drive or network, or attach a thermal printer.

Safety Lock
Safety interlock to prevent accidental UV exposure.

Visible Dye Imaging
Transilluminated white light imaging source for colorimetric stains such as Coomassie blue or similar.

Dual-Wavelength UV
UV illumination with peaks at 302 and 365 nm. Compatible with a wide range of dyes including ethidium bromide, SYBR® green, SYBR gold, SYPRO® orange, fluorescein, RadiantRed®, Texas Red®, SYPRO Red.



Simple Imaging Workflow

1. Select Light Source
2. Set Exposure Time or Autoexpose
3. Capture

Band Excision Mode

Easily excise your DNA bands from an agarose gel with our Band Excision mode. Designed to allow the user to cut bands out of their gel with the system door open, it also turns off the UV light after 5 minutes, ensuring the light is not accidentally left on.

Specifications	c150	c200
Image Resolution	5.4 MP	5.4 MP
Image Bit Depth	16 bit	16 bit
Trans White Light	Yes	Yes
UV 302 nm & 365 nm	Yes	Yes
EPI Blue	Yes	Yes
EPI White	Yes	Yes
Standard Filter	Compatible with: Ethidium Bromide, SYBR® Safe, Coomassie Blue, Stain-Free™ and others	Compatible with: Ethidium Bromide, SYBR® Safe, Coomassie Blue, Stain-Free™ and others
Filter Wheel	3 position filter slider	7 position motorized filter wheel
Computer	Tablet computer; Option to control system through external PC	Tablet computer; Option to control system through external PC
External USB Ports	3	3
Direct Connectivity to Thermal Printer	Yes	Yes
Upgradeability	No	Yes
Analysis Software	Optional	Yes

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