



QUANTUM THE NOVELTY

The Reference For DNA & Protein Gel Imaging

Camera & Optics

CX5 camera:

- Scientific grade camera - Made in Germany
- 5 megapixels resolution extendable to 20 megapixels
- Passive cooling
- 16-bit – 65 536 grey levels
- USB-3 connection
- Motorized zoom lens with feedback
- Field of view: 26x21cm

Ease Of Use

One-Click-to-the-Image™
 Protocol driven image acquisition
 Self-understandable user interface
 Auto-exposure
 Auto-focus
 Auto-lighting

Hardware

Smart Darkroom technology:

- Software control of the lighting
- White light led panels with automatic intensity adjustment
- UV cut-off filter and 10 positions filter wheel
- Slide-out PadBox with automatic recognition of the Application Pad inserted

Steel and stainless steel darkroom for long lasting robustness. Wide access door with UV safety shut-off

Software

Free Bio-Vision software for image acquisition with full GLP compliance. Molecular weight calculation, band quantification, colony counting, distance calculation, text annotation and image enhancement included.

CFR21 Part 11 ready

Applications

DNA and RNA gels and fluorescence stain imaging:

- Ethidium bromide, Sybr-Safe, Sybr-Green, Gel-Red, Gel-Green, Sybr-Gold, GFP, Pro-Q Emerald, Sypro ruby, FITC, DAPI
- Colorimetric stained protein gels, X-Ray film, autorads, SSCP gels, colony dish and flask imaging and other EPI white light applications
- Coomassie blue, Silver stain, Ponceau S Red, Copper stain...

Sky-Pad or Blue light conversion screen for DNA/RNA detection (avoid «nicking» DNA):

- Sybr Safe, Sybr Green, eGFP

Technologies & Innovation

Apps Studio
 3D Dynamics Scan
 SuperResolution
 ImageMaster™ assistant
 Clarity™

Options

Several Application-Pad can be easily inserted and removed inside the PadBox:

- EPI UV 254nm and 365nm
- UV-Pad – 312nm or dual wavelength 312 and 365nm
- Super-Bright-Pad – 312nm or dual wavelength 312 and 365nm
- Sky-Pad: LED blue light transilluminator, 470nm
- White-Light-Pad: white light LED transilluminator
- Spectra-Pad Blue: blue epi-illumination

White light or blue light conversion screen
 Advanced Bio-1D quantification software

CFR21 Part 11 module



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