

Manual controls for chemiluminescence, fluorescence, colorimetric and in vivo/in vitro imaging

EC3 System shown with the Chemi HR camera. See the ordering information to select a system with a camera and UV transilluminator. This original light-tight system is known worldwide as a multifunctional, fully-loaded system for multiple user laboratories.

Cameras: select from OptiChemi, BioChemi, Chemi HR, Gel or Fluor Cameras to fit your budget and application requirements

Camera and zoom lens mount onto the darkroom for easy access

Easy to use manual controls of:

- Overhead and transillumination UV and white light
- UV transilluminator timer
- Emission filters

Unique UV blocking viewer

White Light Plate is built into the darkroom

Height adjustable, removeable tray for placement of chemi blots

Easily accessible Transilluminator fits on the roll-out tray

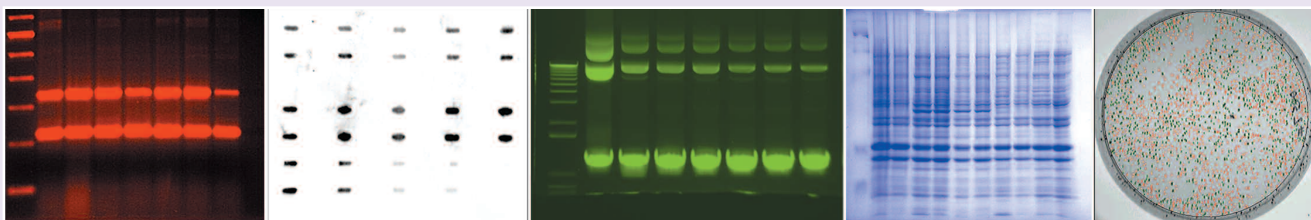
Select from three unique transilluminator models

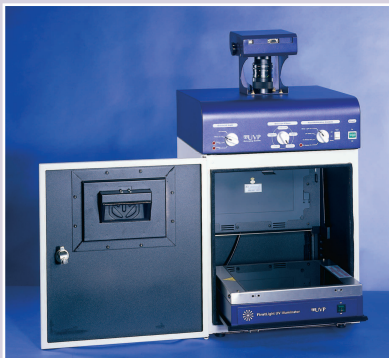
- 3UV (254/302/365nm UV)
- 2UV (254/365nm UV)
- FirstLight Uniform UV Illuminator (302nm)

Computer and monitor ordered separately

Easy to use, intuitive VisionWorksLS image acquisition and analysis software

- Extensive image acquisition functions
- Image enhancement capabilities
- Supports 21 CFR Part 11 compliance
- Advanced 1D lane densitometry/analysis
- Report generation





EC3 System shown with FirstLight Uniform UV Illuminator. The transilluminator fits on the roll-out tray. White light plate flips down for autoradiographs, negatives, x-ray film and microtiter plates. For chemiluminescence applications, place the chemi tray over the built-in white light place.



BioLite MultiSpectral Source. Optional BioLite is a 150-Watt visible light designed for use with fiber optic bundles to supply a directed source for illumination of live plants and animals. The optical path tightly controls the output spectrum, allowing for consistent repeatable measurements with superior signal to noise. The BioLite features a variable intensity six-position dimmer. The kit includes:

- Two excitation filters (370-420nm, 420-480nm)
- Emission filter (500-540nm)
- Sample tray
- Visible light source via fiber optic bundles

EC3 Darkroom.

Manual control of lighting, zoom lens, image capture
 Overhead light: white light, 365nm UV, 480nm blue light
 Gel viewer window, UV blocking
 Roll out transilluminator tray
 Fold-down sample platform
 White light plate
 Emission filters: SYBR Green, SYBR Gold, EtBr

Camera selection. Systems are configured with a choice of camera. Select a camera depending on your application and budget requirements.

OptiChemi Camera. Highly specified, monochrome firewire camera for extra long exposures. Intense cooling and low noise supplies a wide dynamic range for demanding applications with longer integration requirements. Superior quantum efficiency for chemiluminescence. Resolution: 1344 x 1024; 14-bit, Cooled; Peak QE: 72%

BioChemi Camera. Chosen for sensitivity, this monochrome camera is designed for imaging Western Blots. Camera is cooled to subzero temperatures, produces low background noise and wide dynamic range for high quality images in a short exposure time, excellent for chemiluminescence. Resolution: 1344 x 1024; 12-bit, Cooled; Peak QE: 72%

Chemi HR Camera. Suitable for high resolution imaging, the Chemi HR cooled camera can also be applied to general purpose chemiluminescent, fluorescent or white light imaging. The camera can be used in molecular biology, pharmaceutical and environmental laboratories. Resolution: 1344 x 1024; 12-bit, Cooled; Peak QE: 43%

Gel Camera. Monochrome high resolution megapixel, non-cooled camera for laboratories performing routine electrophoresis of DNA and protein gels. Resolution: 1344 x 1024; 12-bit; Non-Cooled; Peak QE: 43%

Fluor Camera. Monochrome non-cooled CCD camera for laboratories performing routine electrophoresis of DNA and protein gels. Excellent for multiple user laboratories with large volume image capture requirements. Resolution: 768 x 582; 8-bit; Non-Cooled

Full range of Laboratory Products. UVP designs wide range of systems from basic gel documentation (BioDoc-It), to digital color (DigiDoc-It) as well as advanced computer-based systems: GelDoc-It, ChemiDoc-It, EC3 and BioSpectrum. Contact UVP or an authorized distributor for full system details. UVP also manufactures a full range of UV products including UV transilluminators, lamps, crosslinkers, UV incubators, hybridization ovens, PCR workstations.

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