



Chemiluminescence Imaging System

Chemiluminescence imaging system LCIS-A1 series

Chemiluminescence imaging system is a new generation of documentation system with exceptionally high sensitivity and dynamic range. This system is able to detect far weaker signals, offers higher sensitivity and wider linear range. It has 16-bit cooled CCD camera which reduces the background noise during long exposure time. This system offers precise automatic exposure, facilities to crop, rotate and counter colour process for the images obtained.

Features

- ◆ Convenient image navigation and browsing
- ◆ Optional attachment of different fluorescent light sources and filters
- ◆ Automatic pixel binning technology
- ◆ Marker image capture and composition with objective bands
- ◆ Digital touch screen display for easy and quick operations

Applications

It has applications in genetic engineering, biotechnology, molecular biology for the obtaining high quality images of DNA/RNA bands using various fluorescent dyes, western blotting and for protein detection, ELISA plate reading etc.

Specifications

Model No.	LCIS-A10	LCIS-A11
CCD size	12.49mm×9.99mm	
Pixels	2750*2200, 4.54×4.54um	
A/D	16 bit	
Quantum efficiency	>78%	
Grayscale	65536	
lens	F0.95 motorized lens	
Display	Nil	10 inch digital display screen
Software	Nil	Image acquisition and analysis software
Epi white LED	Yes	

Chemiluminescence Imaging System

Light source	Blue LED light transmission
Cooling temperature	65°C below ambient
Software	Image acquisition and analysis software
Filter wheel	Motorized wheel with 5 sockets
Filter	590nm
Optional accessories	White LED light as source of transmission Filters with range of 460nm, 530nm, 630nm, 670nm Fluorescent LED light: 470nm, 530nm, 620nm

Chemiluminescence imaging system LCIS-A12

Chemiluminescence imaging system is based on chemiluminescence, offers exceptionally high sensitivity and dynamic range. This system is able to detect far weaker signals, offers higher sensitivity and wider linear range. It has 16-bit cooled CCD camera which reduces the background noise during long exposure time. This system offers precise automatic exposure, facilities to crop, rotate and counter colour process for the images obtained.

Features

- ◆ Compact in size
- ◆ Convenient image navigation and browsing
- ◆ Automatic pixel binning technology
- ◆ Marker image capture and composition with objective bands

Applications

It has applications in genetic engineering, biotechnology, molecular biology for the obtaining high quality images of DNA/RNA bands using various fluorescent dyes, western blotting and for protein detection, ELISA plate reading etc.

Chemiluminescence Imaging System

Specifications

Model no.	LCIS-A12
CCD size	12.49mm×9.99mm
Pixels	2750*2200, 4.54×4.54um
A/D	16 bit
Quantum efficiency	>78%
Grayscale	65536
Cooling temperature	65°C below ambient
lens	F0.95 ultrafast lens
Epi white LED	Yes
Software	Image acquisition and analysis software



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