



NeoChemi FL

NB-12-9006

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Cat# NB-12-9006



Description

Cost-efficient chemi imaging and gel doc

For a laboratory that needs hassle-free chemiluminescent detection, as well as routine gel documentation, using the NeoChemi FL's powerful GeneSys software to switch between applications is simplicity itself. Place your chemi blot in, and the system's cooled camera captures images with a sensitivity equal to film or slide in your gels to generate quality pictures of your DNA and proteins anytime you want.

Featuring a standard darkroom and a 4 million pixel image resolution, the NeoChemi FL camera is cooled to provide a low signal to noise ratio with perfect background.

HI-LED lighting options cover the full spectrum of high intensity blue, green, red and infra-red resulting in faster exposure times and publication quality images.

The NeoChemi FL is a cost-effective alternative to laser based technology offering a faster workflow for imaging complex multiplex fluorescent gels and blots.

The system is controlled by GeneSys application driven image capture software and comes complete with unlimited copies of GeneTools analysis software.

Features

Gel imaging for fluorescence and chemiluminescence

- High quantum efficiency (QE) camera
Picogram detection
- Multiplex imaging of up to 5 different channels with UV, blue and RGB HI-LED lighting options
Easily switch between blot or gel imaging
- Stain free imaging capability
Capture images of stain free acrylamide gels and many more
- Auto-exposure
Perfectly exposed chemi images without film
- Excellent signal to noise ratio
No annoying backgrounds on your blots
- Protocol driven image capture
No camera expertise needed for great results
- Motor driven lens and filter wheel
Simple, automated set up

- Reproducible and quantifiable data
Accurate results time after time
- CFR21 Part 11 compliant
Fully traceable results suitable for regulatory audits
- GeneSys application driven image capture software
Contains extensive database of dyes and imaging protocols. All you need to know is the type of gel you're using and GeneSys automatically selects the optimal lighting and filters to produce the perfect image
- GeneTools analysis software (unlimited copies)
Analyse data at your own computer

Specifications

Image resolution (pixels m)	4
Effective resolution (pixels m)	16
A/D	16 bit
Greyscales	65536
Quantum efficiency @ 425nm	73%
Cooling	Peltier
Lens (motor driven)	Motor driven zoom 1.2
Filter wheel (7 position motor driven)	Yes
UV filter	Yes
Use with external PC	Yes

Darkroom

Standard	Yes
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Illumination

Epi LED white lights	Yes
Epi UV 302nm	Optional
Epi red LED module	Optional
Epi blue LED module	Optional
Epi green LED module	Optional
Epi red LED module M series for multiplexing	Optional
Epi green LED module M series for multiplexing	Optional
Epi blue LED module M series for multiplexing	Optional
Epi IR LED module	Optional
IR multiplexing kit (680-800nm)	Optional
HI-LED RGB	Optional
HI-LED RGBIR	Optional
HI-LED RIR	Optional
Visible light converter 33 x 31cm	Optional
White light pad for visible stains (20 x 14cm)	Optional
UltraBright LED blue light transilluminator 20 x 16cm	Optional
UV transilluminators	Optional

Dimensions

Max image area (cm)	30.5 x 22.7
Min image area (cm)	5.1 x 3.8
W x H x D (cm)	57 x 84 x 45

Weight (kg)

37

Voltage

115v/240v

Our software is compatible with Windows 11*

*In-house testing has revealed no issues with the current version of Windows 11 (22H2 Update Version 22621.1702)

Ordering information

NB-12-9006

NeoChemi FL

NB-12-9006-WARRANTY

Extended warranty (Parts and labour, return to base)

NB-12-9006-SILVER

Silver Cover (Labor only) of Maintenance

NB-12-9006-GOLD

Gold Cover (Parts+Labor) of Maintenance