

*Ne* *Biotech*

NeoChemi

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**NB-12-9005**

## NeoChemi

Cat# NB-12-9005



### Description

Dedicated chemiluminescence imaging system – great Westerns without film

You love the sensitivity that chemi brings to Western blot imaging but hate the drama of using film to get it. Utilising the NeoChemi's optimised short 'camera to sample' technology, you'll get more than double the dynamic range of film, making it easy for you to see picogram or femtogram protein levels without all the fuss.

The NeoChemi is dedicated to chemiluminescence imaging and is built for high performance and automation, featuring a high quantum efficiency CCD camera.

The compact instrument sits on any laboratory bench taking up very little space. The NeoChemi requires an external PC for use.

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

### Features

#### Dedicated chemi imaging system

- Small footprint  
More space for your research
- High quantum efficiency (QE) camera  
Detects your faintest bands
- Automated chemiluminescent capture  
Perfect exposure without film
- Cooled camera  
No annoying background noise on your blots
- Fixed lens controlled by GeneSys software  
One click and you'll image any manufacturer's chemi reagents
- GeneSys application driven image capture software  
Contains extensive database of dyes and imaging protocols. All you need to know is the type of blot you're using and GeneSys automatically selects the optimal lighting and filters to produce the perfect image
- GeneTools analysis software (unlimited copies)  
Analyse data on your own computer
- Optimised – for imaging chemiluminescence Western blots  
NeoChemi is configured for maximum sensitivity to ensure even the faintest band on a blot can be captured.

- Sensitive cooled camera  
The high quantum efficiency cooled CCD camera is very sensitive to low level light emissions from a blot. The peltier cooled camera has exceptional 'signal to noise' performance resulting in virtually undetectable background noise. The short 'camera to sample' distance further enhances the ability to work with chemiluminescence samples and reagents. When compared to film, the NeoChemi has more than double the dynamic range. This allows for extremely accurate quantification.
- Small footprint  
The NeoChemi has a very small footprint and takes up minimal bench space. The automatic slide-out drawer allows easy sample handling. The fixed aperture and focus of the lens results in a very simple set-up procedure making image capture as simple as a click of a mouse button.

## 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) Fixed f0.95
- Sample size (cm) 11 x 8
- Requires external PC Yes
- Epi LED white lights Yes
- W x H x D (cm) 37.5 x 44 x 43
- 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

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