

INGENIUS³

LOW COST,
HIGH PERFORMANCE
GEL DOCUMENTATION
AND ANALYSIS

The **InGenius³** uses a high performance 3m pixel camera. The darkroom assembly is easily connected to a PC. GeneSys image acquisition software quickly and easily enables images to be captured, archived and edited if required.



Features

Compact darkroom with sliding door - 40.0(w) x 30.0(h) x 37.5(d) cms
3 million pixel camera
12/16 bit images (0 - 65,535 grey levels dynamic range)
Filter drawer
UV to visible light converter screen (option)
GeneTools analysis software
Connect to any PC
Transilluminators (option)

Benefits

Small footprint taking up minimal laboratory bench space
Good quality images
Precise quantitation
Capable of viewing a wide range of different fluorophores
Easy imaging of protein gels, autoradiographs and colony plates
Saves time by automating analysis of gels, colony plates & blots
Use a computer of your choice
Choice of UV or blue light

INGENIUS³ SPECIFICATION

Camera

Sensor
Resolution
Bit depth
Greyscales
Dynamic range
Lens
Viewing area

INGENIUS³

1/3 inch
3 million pixels
12/16 bit (extended)
0 - 65,536
3.6/4.8 (extended)
Manual zoom, 6.5 - 39, F1.4
20 x 20 cm

Illumination

Slim UV transilluminator 20 x 20 cm
UltraSlim Blue-LED transilluminator 10 x 12 cm
Visible light converter
White Epi overhead

Option
Option
Option
Yes

Software

GeneSys image capture
GeneTools image analysis
GeneDirectory

Yes
Yes
Option

INGENIUS³ SYSTEM

CAPTURE, STORE & MANIPULATE IMAGES WITH GENESYS



Image acquisition with a single button



Auto exposure/manual exposure/series capture



Extended dynamic range up to 65,536 grey levels



Neutral fielding for correction of uneven background illumination



Toolbox - annotation/sharpening/inverting



Saturation control - see which areas of the image are over-exposed

ANALYSE, DOCUMENT & QUANTIFY GELS WITH GENETOOLS



1D analysis at the 'click' of a button



MW/BP calibrations



Quantity calibrations



Spot blot/colony plate analysis



Band matching functions



CAMERA

CCD digital camera

- 3m pixels
- USB2 connection

LENS

Superior zoom lens for exceptional image quality

FILTER DRAWER

Use a range of filters for extensive choice of applications*

SAFETY SWITCH

Protects from accidental UV exposure when opening door

INTERNAL WHITE LIGHT

For sample positioning and focusing

TRANSILLUMINATORS (OPTIONAL)

For UV or blue light

- UV transilluminator slides in and out of darkroom
- Blue LED light (UltraSlim-LED) - sits on a slide in and out tray
- Visible light converter

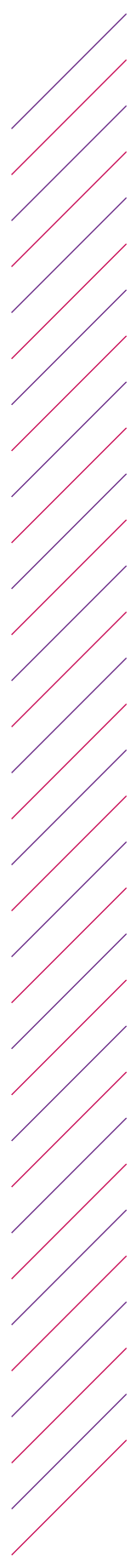
SLIDING DOOR

Space saving sliding door

*see the on-line Syngene database for details

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