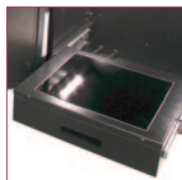




omniDOC
systems offer high
performance gel
documentation
and analysis at
affordable costs



DNA – use the slide-out UV transilluminator to capture images of DNA gels stained with EtBr and SYBR dyes



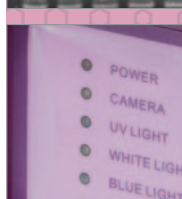
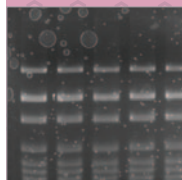
Blue light – LED epillumination module allows visualisation of DNA stained with the majority of commercially available safe stains (e.g. runSAFE) to provide better resolution without damaging the DNA



White light table – use plug-in white light table to view coomassie blue and silver stain protein gels; may also be used to view tissue slides and autoradiographs



High resolution 5MP scientific camera captures high resolution images and allows analysis between closely located bands or spots



- Pre-focused 5 mega pixel camera with auto-exposure for almost instantaneous high resolution gel imaging
- 6mm lens, F1.2 aperture size, with manual adjustment
- Interchangeable filter – 620nm ethidium bromide filter as standard; 520, 560 and 580nm filter options for runSAFE, SYBR stain and other fluorescence applications
- Internal white LED – helps gel positioning and focusing
- Slide-out 312nm transilluminator

By providing many of the features incorporated within the highest specification systems, but without the added price premium, the omniDOC system presents a simple but sophisticated imaging solution.

A high resolution 5 mega pixel CMOS sensor with slide-out UV transilluminator, and optional blue epiillumination module and white light table, makes the omniDOC suitable for imaging most fluorescent and colorimetric gels. Imaging applications are made easy by a pre-focused camera that requires little or no manual adjustment, while simple image acquisition and analysis software guides the user through every step of the gel documentation process. A front filter and spring-loaded cover facilitates safe and convenient gel inspection. omniDOCs are constructed from corrosion resistant ABS for superior durability.

OMNIDOC IMAGE CAPTURE AND ANALYSIS SOFTWARE - USE THE INCLUDED SOFTWARE TO...

Acquire, store and manipulate images	Analyse images
Adjust the exposure time, altering the UV intensity or manipulating the iris on the camera if required	Load the newly acquired image, or select one stored previously in TIFF, JPEG, BMP or GIF image format
Select your light source: UV, blue or white light	Select the gel or dot blot type from one of four options
Use Toolbox function to change default settings for excitation source & exposure time, or apply advanced features like saturation detection & date stamp	'Tap and drag' rectangular boxes on your tablet to define the sample lanes to be analysed and set level of sensitivity and base line. Set the level of sensitivity and define the base line for subtraction
Image Freeze – minimise UV damage nucleic acid gels by 'freezing' the gel image and switching off the transilluminator ahead of image capture or printing	Perform density analysis
Acquire and save image	Export and save data as CSV file for further analysis

omniDOC™ Gel Documentation



Filter

- 620nm filter (standard) – EtBr, Gel Red & SafeView Classic
- 520nm filter (SYBR) – Gel Green, Midori Green, run- SAFE, SYBR Green I & II, SYBR Gold & SYBR Safe
- 560nm filter (yellow) – as per 520nm filter but also including SYPRO Orange
- 580nm filter (orange) – EtBr, Gel Green & Red, Safe- View Classic; SYBR Green I & II, SYBR Gold & Safe; SYPRO Orange & Ruby



TECHNICAL SPECIFICATION

UV Transilluminator	312nm, 21x26cm (WxL); 6x8W tubes
Resolution	5 mega pixels (2592x1944 pixels max)
Sensor	CMOS, 1/2.5", monochrome
Lens	5mm focal length; aperture F1.2
Image Bit-Depth Sensor	12-bit (0-4095 grey levels)
Filter Camera	620nm EtBr (standard); optional 520, 560, 580nm filters
Image Storage	PC or Laptop
Connection to Operating Device	USB to PC
Operating System Requirements for Software	Windows® 7, 8 and 10 (64bit & 32bit) / XP / Vista
Dark Room Assembly Dims	410 x 405 x 570mm (W x D x H)
Front Panel Display	LED
Viewing Window	560nm universal orange filter
White Light	6x1W LED (standard) for gel positioning
White Light Table (optional)	21x26cm filter; connects internally to darkroom
Blue LED Epi-illumination Module (optional)	excitation wavelength 470nm; connects internally to dark room
Safety	Safety interlock switch on front door panel; disconnects UV transilluminator on opening; complies with CE, FCC standards
USB Port	For PC
Power Rating	Dual voltage: 110-230 VAC
Weight	25kg

ORDERING INFORMATION

OMNIDOC	omniDOC Gel Documentation System with 620nm (EtBr) emission filter & 312nm UV transilluminator*	
OMNIDOCSAFE	omniDOC plus Blue LED Epi-illumination Module (OMNIDOC-BL) and 520, 560 & 580 filters (OMNIDOC-EB, -AF560 & -AF580)*	
OMNIDOCPROSAFE	omniDOC plus Blue LED Epi-illumination Module (OMNIDOC-BL) and 520, 560 & 580 filters (OMNIDOC-EB, -AF560 & -AF580) and white Light table (OMNIDOC-WLT)*	
omniDOC Accessories		
OMNIDOC-WLT	Optional White Light Table	OMNIDOC-AF580 Amber Filter, 580nm
OMNIDOC-BL	Optional Blue Light modules	OMNIDOC-AF560 Amber Filter, 560nm
OMNIDOC-SYBR	Optical SYBR Green Filter	OMNIDOC-F1 Viewing window, Amber Filter, 560nm (Supplied as standard)
OMNIDOC-EB	Optical EtBr Filter (supplied as standard)	

THISTLE SCIENTIFIC LTD

Unit 41, Somers Road Industrial Estate,
Rugby, CV22 7DH
United Kingdom

T_ +44 (0)1788 565300
E_ ENQUIRIES@THISTLESCIENTIFIC.CO.UK
W_ WWW.THISTLESCIENTIFIC.CO.UK