Slite 200W 15 Series

Affordable Gel Doc System for 2D-DIGE and Multiplex Fluorescent Observations



Features:

- 1. Multiple light sources: RGB, UV, Epi white & white backlight*
- 2. RGB light for 2D-DIGE, multiplex fluorescent observations*
- 3. Patented Total Internal Reflective RGB excitation light technology*
- 4. UV light for fluorescence dye-stained DNA (ex. EtBr)/protein (ex. SYPRO Ruby) gel imaging **
- 5. Easily interchangeable light sources*&
- 6. Standalone operation with no PC required**

^{&:} Slite 200W 15 model *: Slite 200W 15R model

RGB, UV, white backlight and Epi white light applications





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Easy replacement of light source

2 simple steps to change light sources!

- Place the white light or RGB panel on top of UV transilluminator. 1.
- 2. Connect light panel to UV transilluminator and power on.

ALL in ONE! -- Wide range of research applications











Red light applications: Alexa[™] 647 Green light applications: Alexa[™] 546









Blue light applications: Alexa[™] 488

Visible Stain	Fluorescence & Chemifluorescence			
White	Blue	Green	Red	UV
Silver Stain CBB Stain DAB/HRP X-Ray Film NBT / BCIP	Cy2 ECO Safe Attophos ECFP EGFP FAM FITC SYBR Safe SYBR Gold SYBR Green I / II Safe View Midori Green SYPRO Orange SYPRO Ruby	5-ROX Alexa 514 532 546 555 Alexa 568 594 BODIPY 576/589 Cy3 Deep Purple HEX HNPP NED Pro-Q Diamond RFP Rhodamine Red R-phycoerythrin SYPRO Red	Alexa 633 635 647 660 680 BODIPY 650/665 Cy5 DiD DDAO phosphate TOTO-3	EtBr Fluorescein GFP SYBR Safe SYBR Green I SYPRO Red SYPRO Ruby Safe View Midori Green Texas Red
	SYPRO Tangerine	Tetramathyfrodamine		



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RGB Applications:

I. RGB Detection

Equipped with a RGB light plate (red, green, and blue LED lights), Slite 200W 15R is able to process a wide range of color fluorescence applications through the use of various fluorescent dyes and their optimal excitation light sources. Examples are shown as in previous page.

II. 2D- DIGE (2D - Difference Gel Electrophoresis)

2D gel analysis of cell lysates from cells treated with para-aspirin drug to monitor the changes in the level of protein A (blue arrow) and protein B (yellow arrow) after several treatment durations.

Image 1 (control): Cell lysate labeled with Alexa [™] 488 Image 2 (treated and cultured for 3 days): Cell lysate labeled with Alexa[™] 546 Image 3 (treated and cultured for 5 days): Cell lysate labeled with Alexa[™] 647

Protein A (pointed by blue arrows) is shown in Image 1 but not in Image 2 and 3, suggesting that the drug suppresses the expression of protein A when treated with the drug *in vitro*.

Protein B (pointed by yellow arrows) is not shown in Image 1 but is shown in Image 2 and 3, suggesting that protein B is induced *in vitro* after cells were treated with the drug for 3 days, and the level of protein B in Image 2 seems to reach to the maximum level (spot in image 2 is brighter than that in Image 3) compared to that in Image 3.



Image 1 (Control, Alexa™ 488 labeled)



Image 2 (Culture 3d, Alexa™ 546 labeled)



Image 3 (Culture 5d, Alexa™ 647 labeled)

Specifications	Slite 200W 15R	Slite 200W 15	
Camera sensor	CCD		
Image Resolution	2 Mega pixels		
Lens Type	6 x Zoom Lens/ Motor-driven Lens		
Focus	Auto Focus, Motorized		
Saving Bit Depth	8, 16 bits/channel		
RGB Light Panel. 20X20cm. 630/530/470nm	V	NA	
UV transilluminator. 20X20cm. 302nm	V	V	
White Light Panel. 21X26cm	V	V	
White EPI Light.	V	V	
Filter Turret	Motor-Driven, 6 position		
Emission Filter	535nm/590nm/665nm	590nm	
Display Panel	8" TFT LCD touch screen / stand alone operation		
Image Format	TIFF, JPEG, BMP		
I/O Port	USB: storage/printing; Ethernet		
Dimension (WxHxD)	300 x 430 x 600 mm(11.81 x 16.93 x 23.62 inch)		
Weight	30 Kg (70.75 lb)		

