LAB INSTRUMENTS
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Gel Documentation Imaging Systems

Application:

Biosafety It can be used for imaging and analysis of DNA/RNA gels, protein gels, blotted hybridization membranes, autoradiography gels, enzyme plates, thin layer chromatography plates, and culture dishes.

It is suitable for shooting DNA/RNA electrophoresis gels, protein electrophoresis gels, dot hybridization and other images under low illumination without losing the bands.

Control EB pimageollution to the greatest extent, and effectively protect the health of experimental operators while obtaining effective results.

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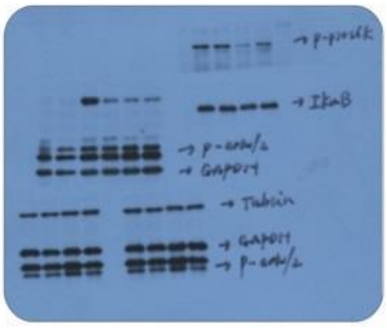
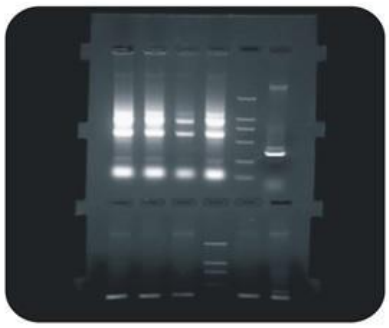
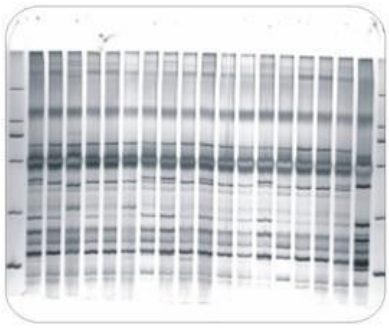


Film imaging



DNA/RNA imaging



White light imaging

Features:

1. Camera: equipped with a high-resolution, low-illumination scientific-grade camera and a high-transparency electric lens to achieve better sample imaging;
2. Lens: high-transparency lens to help provide clear and vivid image details;
3. Control method: different models correspond to computer control or touch screen control;
4. Fluorescence module: equipped with an electric filter wheel, which can be configured with multiple wavelength filters to achieve multi-color fluorescence imaging;
5. Light source: covers different excitation wavelengths to meet the needs of shooting experimental samples with different labels;
6. Modular design: Integrated control circuit modularity, intelligent anti-collision system, and automatic sleep control.

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Technical Parameters:

Model No.	QC-680D	QC-6000	QC-8000
Display		Built-in industrial motherboard computer, 17-inch LED display, no need for external computer to complete experiment photography, saving and analysis,	Built-in industrial motherboard computer, 17-inch LED display, no need for external computer to complete experiment photography, saving and analysis,
Camera		High resolution low illumination integrating CCD camera	
Detection sensitivity	Nucleic acids 0.01ng lowest		
Effective pixels	2648*2100（5.56M pixels）	3084×2056 (6.31M pixels)	3264*2488 (8.12M pixels)
Lens		20-megapixel ultra-high-resolution lens with auto-focus and physical resolution of up to 2.4 microns	20-megapixel ultra-high-resolution lens with auto-focus and physical resolution of up to 2.4 microns
Pixel gray value	16-bit (0-65536 gray scale)		
Signal-to-noise ratio	≥72dB	≥78dB	≥82dB
High QE	75%@600nm	79%@600nm	85%@600nm
Dynamic range	> 4.0 order	> 4.0 order	> 4.5 order
Filter	590nm standard and 535nm optional		
UV transilluminator	Transmission wavelength: 302nm (254nm and 365nm optional); size: 21*26cm (customizable)		
White light transilluminator/ blue light transilluminator	Cold light, voltage 12V (brightness adjustable); size: 21cm*33cm (customizable).	Cold light, voltage 12V (brightness adjustable); size: 21cm*26cm (customizable).	Cold light, voltage 12V (brightness adjustable); size: 21cm*26cm (customizable).
Outer dimension (L*W*H)	500*370*820mm	410*420*600mm	410*420*600mm