Automatic Gel Imaging and Analysis System



BK-AG100



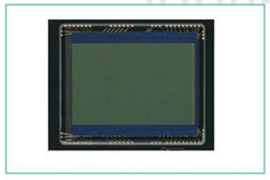
BK-AG1000/2000

Introduction:

Automatic Gel Imaging and Analysis System is a highly integrated and fully automated gel imaging system, system interface is simple and practical, the main interface has shooting button and time control to guide the user, it is very easy to operate, no need to have manual and tedious debug, it is your best choice.

Features:

High-resolution CMOS camera, high sensitivity, high resolution, with automatic focus and high performance 6 times len, specialized filter for nucleic acid dye.



CMOS Camera



Autofocus Lens



Multilayer Coating Filter

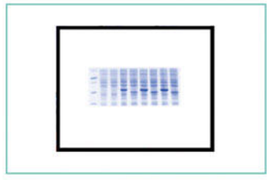
Specialized overlay glue cutting filter, compared with the traditional one, it has many advantages, easy to operate, can prevent UV and blue light damage, no need to operate in dark room, work ver y well under strong light condition The white light sample plate is used for SDS -PAGE glue samples shooting.



UV sample plate



Glue Cutting Filter

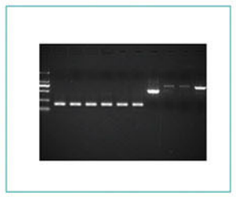


White Sample Plate

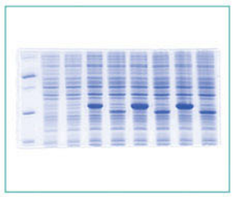
BIOBASE
E-mail: export@biobase.com
www.biobase.cc / www.biobase.com

Application:

It can be used to do nucleic acid test for various fluorescent dyes, such as EB, SYBRGold, SYBR Green, SYBR Safe, Gel Red Gel GreenTexas, Red, Fluorescein marked DNA/RNA.



DNA Gel Imaging



SDS-PAGE Imaging



Thin-layer Chromatography



Colony Counting

Technical Parameters:

Mode	BK-AG100	BK-AG1000	BK-AG2000
Pixel	2592*1944(5.03MP)		3000*4000(12MP)
Exposure Time	1ms~10000ms		1ms~60min
QE Value	High QE: >69%		High QE: >85%
Binning	1*1		1*1, 2*2, 4*4
Bit Depth	16 bit（0~65535）		
OD	≥4.8 OD		
Lens	F1.4, 20 million auto-focus lens		
Trans-UV	302nm, optional blue light transmissive configuration		
Epi-White	LED		
Trans-White	LED white light self-emitting sample plate		
Epi-UV	254nm, 365nm	Optional: 254nm, 302nm, 365nm	
Filters	590nm, Others for option		
UV Area	21*21cm	21*21cm,optional 25*26cm	
Timing Off	1~60 mins		
Power Supply	AC100~240V, 50/60Hz		
Packing Size	480*495*725mm	525*500*825mm	
Gross Weight	31kg	36kg	