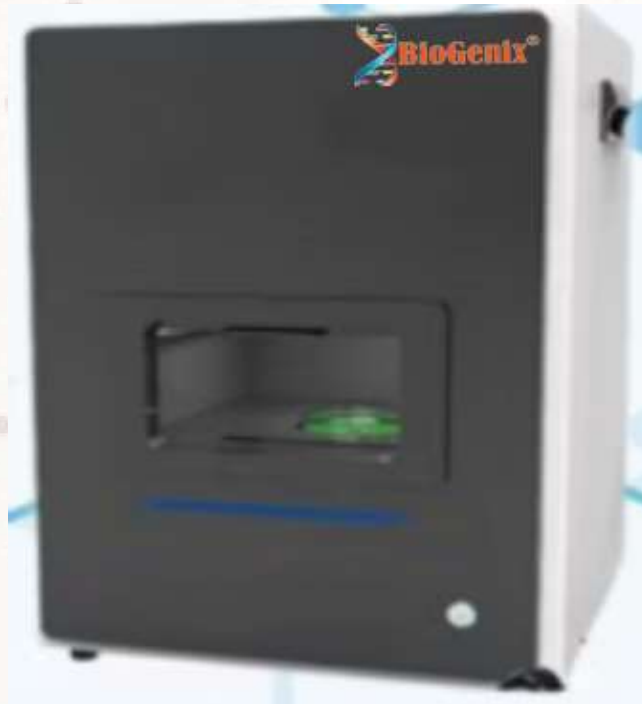


Fully-Automatic Colony Counter



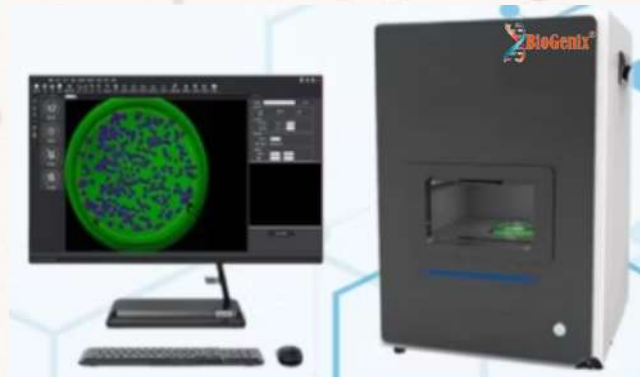
Description

The fully automatic colony counter is a special equipment for microbial colony analysis. It uses newly designed software image processing technology and scientific mathematical analysis methods to analyze microbial colonies quickly and accurately.

It is suitable for microbial testing in hospitals, scientific research institutes, health and epidemic prevention departments, disease control centers, inspection and quarantine, quality and technical supervision, environmental testing institutions, and pharmaceutical, food and beverage, medical and health supplies industries.

Quickly capture high-definition colony images

High-resolution color industrial camera with built-in instrument calibration function to calibrate colony diameter and size, eliminating size errors between photography and actual objects;



Simultaneous automatic identification and detection of single-color and multi-color colonies;

The upper light source has a 360-degree shadowless illumination function, providing multi-directional, three-dimensional and clear imaging effects for colony imaging. The lower light source adopts a transmitted light darkroom shooting system, and the side light source adopts a ring matrix system.



Diversified standards and measurements, fast and accurate counting

The colony counting statistical software developed according to the standard can quickly and intelligently count according to different mode selections;

Through the combination of the ring light source of the upper light source, the bottom light source and the side light source of the background light source, optical dyeing of bacterial colonies can be achieved;;

Automatic adhesion segmentation, manual segmentation, automatic processing and statistics of spreading colonies, counting rollback function, accurate and fast counting;

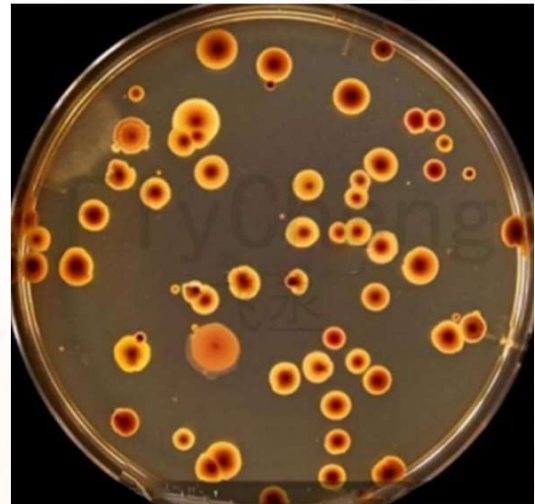
Powerful image processing software includes a variety of graphic annotation and measurement functions;

Selected area statistics are efficient and fast, instantly outputting colony diameter, roundness, circumference, area, number and other data;

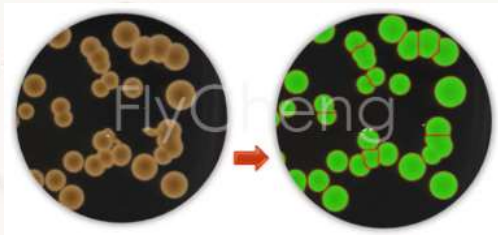
Excellent multifunctional module design

Built-in 254nm (used for disinfection and sterilization) and 365nm UV lamp (used for colony fluorescence excitation and statistical experiments), which can sterilize and disinfect the cavity, UV mutagenesis and Escherichia coli, coliform fluorescence, green fluorescent protein, etc. stimulate experiments;

The BS-FC-1101 fully automatic colony counter has an audit trail function, and its digital and safety management complies with the relevant requirements in FDA 21 CFR Part 11. The operator's operations are automatically recorded on the software to facilitate subsequent traceability of result data;



Detailed Photo



Product Parameters	
Model	FC-ACC1101
CMOS	12 million pixel,true color, resolution ratio: 4024*3036
Counting speed	1000 colonies <1s<>
Colour temperature	2880K-4170K
Upper light source	Illumination:51.7-985.1 Lux
Lower light source	360°shadowless illumination, Multi-directional transmitted light, adjustablelight source brightness.
Sideview	Illumination:1-4497 LuxBottom transmitted light darkroom shooting systemCircular matrix

Image capture	Auto focus, auto white balance, auto color temperature control.Front open, automatic elimination of external interference, automaticcentering, black box shooting.
Petri dish type	various 90mm,100mm petri dishes (Pour, spreading, membrane filtration)
Automatic impurity removal	Automatically remove impurity according to the difference of shape, size,color, etc.
Colony Morphology Analysis	Automatic analysis the area, girth, roundness, maximum diameter,minimum diameter.
Select counting area	Basic circle, semicircle, circle, rectangle, sector, and random area.
Image processing	Image enhancement
	Image filtering
	Edge detection
	mage adjustment
	Morphological operationmage
	Image segmentation
Note measurement	Instrument calibration
	Colony labeling
	Colony measurement
Work temperature	(0~50)°C
Host size	(L390×W390×H535)mm
Host weight	about 13.4kg
Power consumption	≤72W
Power adaptor	Input AC100~240V 50/60Hz
Output	DC24V 1A



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