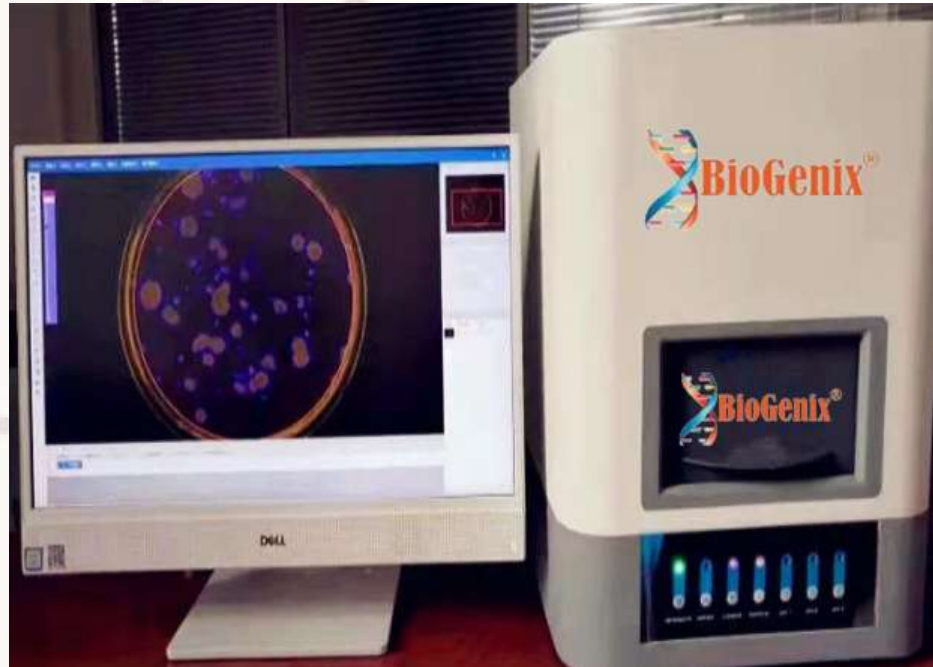
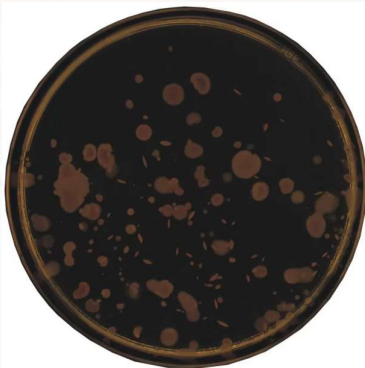


## Intelligent Colony Counter



### Description

BioGenix intelligent full-automatic colony counter is an intelligent colony counter launched by BioGenix Systems, India. The instrument adopts a fully closed dark bin photography system, which eliminates the influence of stray light on the photography effect. The light is soft and uniform, without reflection and dark spots (Fig. 1); At the same time, professional light source is adopted to make the light closer to natural light and restore the true color of colonies; High definition camera combined with high fidelity lens to capture the detailed characteristics of each small colony; The artificial intelligence counting algorithm is adopted to complete the counting instantaneously. The professional colony analysis software can realize complex image analysis and processing such as multi type counting, image segmentation, colony labeling, data saving and report printing; The light box can be equipped with multi wavelength UV lamp, which has the functions of fluorescent bacteria identification and sterilization, making your work more simple and efficient.

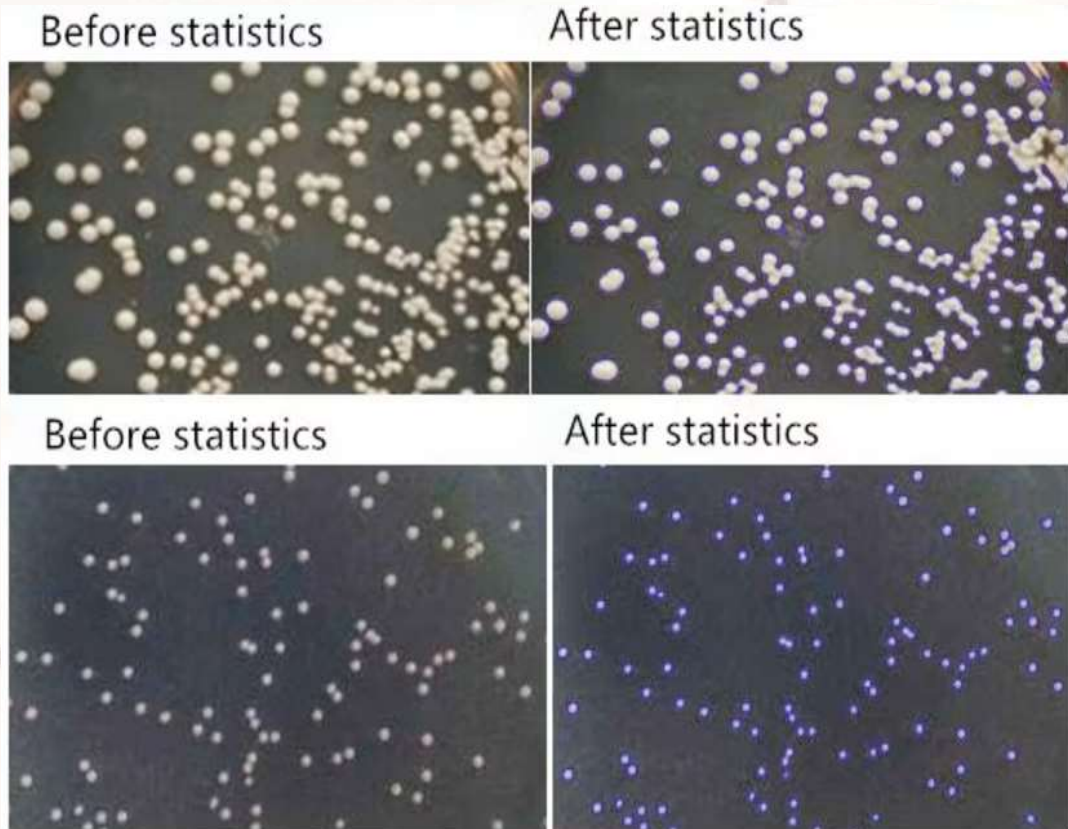


### Automated Colony Counter Photographing

Total closed dark chamber, interference of parasitic light is eliminated to the lowest possible level, no reflection and dumb spot; **Lighting** Illumination is gentle and soft, most similar to natural light which enables good restoration of colony of its real color and **luster** Allows to identify and sterilize fluorescent bacteria **High Performance Camera** High fidelity and resolution camera leans can capture colony to its most detailed features **AI Based Counting Algorithm** Counting process is fast and instant even for colony of in high complex **Automated Colony Counter BS-ICC-01**

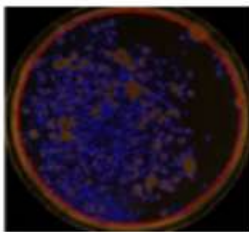
## Statistical Effect

Colony analysis software has built-in multiple algorithms, which can realize the identification and complex statistics of different color media and colonies with different characteristics, and is equipped with sensitivity adjustment button to enable users to obtain the required statistical effect by adjusting the sensitivity.

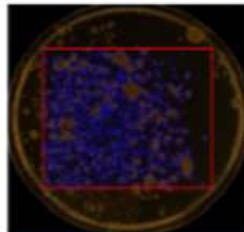


## Statistical area:

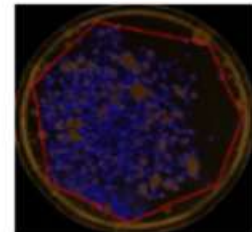
Colony analysis software can realize the function of selecting round, square and polygon statistical areas. Users can count the required plate areas by selecting different shapes.



Selection of circular area



Selection of square area



Selection of polygon area

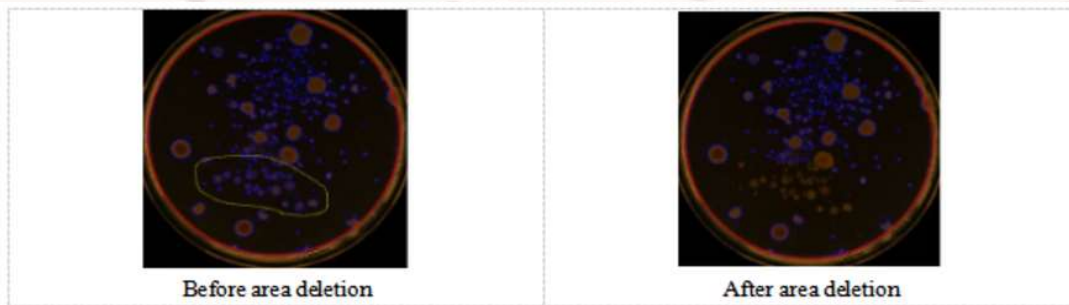
### Adhesion segmentation:

Colony analysis software has the function of adhesion segmentation, which can manually segment the adhered colonies to make the statistical results more accurate.



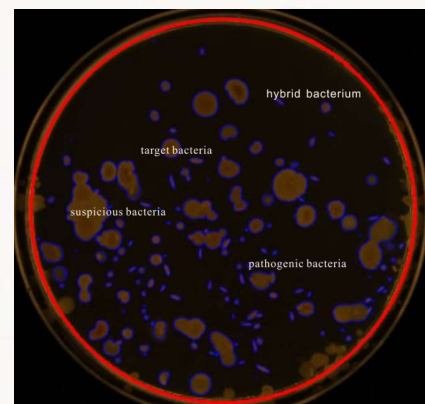
### Area deletion:

Colony analysis software has the function of region deletion. You can manually select the region freely to delete the colonies that do not need to be counted and obtain the parts that need to be counted.



### Colony labeling:

Colony analysis software has the function of colony standard, which can mark the colony at any position in the Petri dish, and save the information standard required by the user on the colony.



#### Data Save

Sample name

Sample No.

Inoculation type

Inoculation volume  mL

### Data saving

Colony analysis software has the function of data saving. The colony pictures processed each time can be saved in the database by inputting the sample name, sample number, inoculation amount and other information, and the historical data can be retrieved and viewed at any time.

# Report Generation

Colony analysis software has the function of report generation. Enter the database through data query, select the date or search the sample name and other information, and you can quickly find the data. At the same time, manually enter the unit name, project name, inspector, inspection date, method name, standard number and other information, and click the report to generate the inspection report in PDF format.

## Fully-automated Colony Counting Analysis Report

Inspected on: November 3, 2020

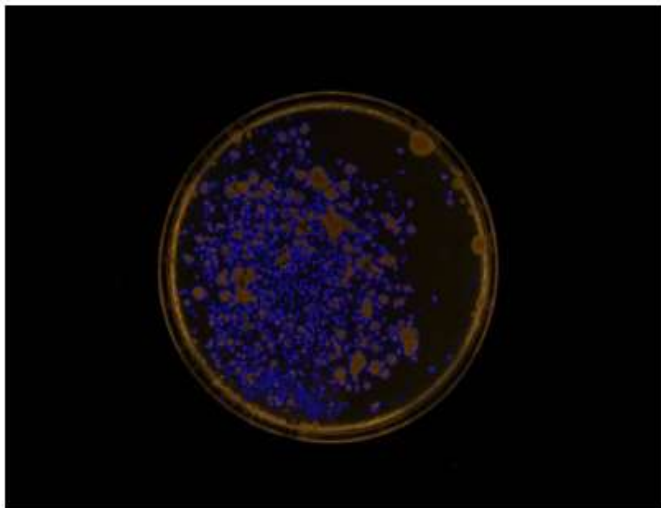
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**I. Inspection Information**  
Company name: Shaanxi Third Party Testing Co., Ltd  
Project Name: Routine Monitoring of Surface Water  
Method name: Standard test method for domestic drinking water - microbiological indexes  
Method standard No.: GB 5750.12  
Culture temperature: 36(°C)  
Culture time: 48 (h)  
Inspected by: XXX

**II. Analysis Results**

S/N	Account number	Sample name	Sample No.	Inoculum size	Unit	Number of colonies (cfu)	Processing time	Original image No.
1	system	Surface water 01	1-1	1	mL	574	2020/11/3 9:26:36	XGY 01

No.: XGY 01





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