

# Operation Manual



BCLC-202

## Colonometer



# INDEX

---

01 Diagram and Introduction of Product.....	3
02 Preparation and Attention before Use.....	3



# 01 Diagram and Introduction of Product

## Summarize:

The Bacterial colony counter is a digital displayer for counting the germs, it is made of counter, pen, counting cell. The counter is made of CMOS integrated electric, LED Nixie tube. The word high is 15mm (6"), it is clear and brightness, work in private use pen, it is sensitive and accurate, and the light source is adjustable.

There are lights in the counting cell, it is clear of colony parallel. It is Convenient to observe. Could be adjusted by pressing "▲" or "▼". There is alarm to ensure counting correct. The number is 0-999. If need to restart, could press "reset" key. The magnifier can be adjusted to suitable position with flexible arm. The magnification is up to 3X. This equipment could less the experimenter's labor intensity, increase the efficiency and quality. It is widely used for bacilli inspection of food, drink, medicine, biological, make-up, health products, Water for drink, domestic sewage, and industrial water. It is the required equipment of all kinds' health station, environmental monitoring centre, food hygiene, testing centre, hospital, Institute of biological products, laboratory for the control of drugs, Commodity Inspection bureau, the made-up factory, the laboratory of university and scientific research institutions.

## Technology parameter:

The height of the word: 15mm (6")

Light power: 15W

Total power < 40W

Voltage: AC100-240v (50/60HZ)

Colony center diameter:  $\varnothing$ 155mm

Suitable Petri Dishes:  $\varnothing$ 50- $\varnothing$ 150mm

Dimension: 360×300×180mm

Weight: 4 KG

Have the function of counting in bidirectional

Caxial lighting, 3 times enlargement, 9 times enlargement

# 02 Preparation and Attention before Use

## The way to use:

1.1 Connect the power, open the lamp in the counting cell when the monitor shows "001", insert the sensor and push the "reset" key.

1.2 Put the sample into culture plate.

1.3 Press the red button on the machine side for opening the light under counter plate. You can also adjust suitable brightness by screwing the side knob.

1.4 If the brightness of the under light is not enough for observation, just press the button beside the magnifier to open the upper light (Double LED lamp with four 11.6mm button cells supplying power, standard configuration). Do pull out the insulating plastic strip when using the upper light at first time.

1.5 Count the colony in the plate with the sensor one by one. At this time, the colony is colored and buzzer sounds which means the counting is ok. On the monitor, the numbers are

added automatically.

1.6 Check with magnifier to ensure the counting is correct. ( If error happening when counting by the touching pen, continue the counting by pressing  $\triangle$  or  $\nabla$ )

1.7 The last number in the monitor is the colony in the plate.

1.8 After the operation, please take out the culture plate. Push the “reset” key and the monitor return to original state.

**Attention:**

The equipment should be put on the substance, flat surface;

When counting, the pen should not too incline;

The equipment should be moisture proof, no strenuous vibration, insulate proof, acid base corrode, should use the dust cover after finishing use.



Email: [contact@biolabscientific.com](mailto:contact@biolabscientific.com)  
Website: [www.biolabscientific.com](http://www.biolabscientific.com)