

# COLONY COUNTERS



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Most of the biological procedures rely on bacterial colonies and cells. Bacterial colony counters are the devices that are used to estimate the number of colonies growing on an agar plate, slide, or Petri dish. The agar plate is placed on an electronic pressure pad with light illumination, then the colonies are marked with an auto marker probe pen by tapping the plate. The pressure of the touch registers a count in the digital display. Typical applications include Ames testing, bacterial mutation assays, and E. coli bacterial colonies.

Also known as Bacterial Colony Counter, Colonometer.

## LTCOU8 BACTERIAL COLONY COUNTER

CMOS integrated circuit and LED digital display.

The special probe counts sensitively and accurately.

It is composed by counter, probe and count pond, etc.

The magnification is variable by adjusting the flectional arm.



## SPECIFICATIONS

Model	LTCOU8-1	LTCOU8-2
Phonetic Counting	No	
Amplification	5X, 10X	
Counter Range	0 ~ 999	
Suitable Petri Dishes	φ50-150mm	
Character Height	13mm	
Lamp Power	16W	
External Size(W*D*H)	270*200*70mm	
Package Size(W*D*H)	370*270*330mm	
Net Weight	1.7kg	
Gross Weight	3kg	
Power Supply	AC220V, 50/60HZ	AC110V, 50/60 Hz



LTCOU8-1



LTCOU8-2

# LTCOU9 BACTERIAL COLONY COUNTER

Compact structure makes it less space occupation. Adapted for various environment.

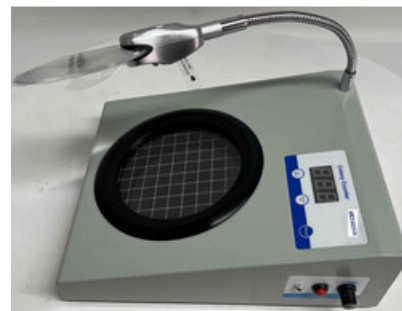
The LED light can be adjusted to make an ideal perspective for the operator.

It will beeps while counting, which can avoid wrong counting.

Unique Up-light source makes it convenient to count bacteria that is hard to observe.

Specified designed counting pen to ensure no omit of the cells.

Wide-range voltage design. Avoid the interference to the equipment by instable voltage.



## SPECIFICATIONS

Model	LTCOU9-1	LTCOU9-2
Lighting	Matrix LED (White light)	
Digital display	3 digits	3 digits/4 digits
Counting range	0 ~ 999	
Compatible petri dish	50-90mm	50-150mm
Magnification	3-9 times	
Protective class	IP21	
Permissible relative moisture	80.00%	
Permissible ambient temperature	5-50°C	
Dimensions	255x210x160mm	360x300x180mm
Input power	20 W	40 W
Net. Weight	2.2 Kg	4.0 Kg
Input voltage(frequency)	AC 100-240V (50/60HZ)	



LTCOU9-1



LTCOU9-2

# LTCOU9-3 BACTERIAL COLONY COUNTER

It is a high-tech colony counter, known for its user-friendly functions and excellent ergonomics. It can accurately count all the culture media (culture dishes, filters) used in microbiology.

Place the petri dish on the pressure-sensitive glass surface, and you can use any felt-tip marker to press and count, and there will be a pleasant beep when counting, and the accumulated data will be displayed

on the LED screen immediately. The touch sensitivity of the pressure sensor can be adjusted to adapt to different culture vessels and user habits. With the function of manually increasing or decreasing the counting button, the repeated counting or missing counting can be corrected during operation.

The internal LED lighting system is glare-free and the Luminosity is adjustable, which makes the colony form a sharp contrast view to adapt to the difficult-to-observe microorganisms in the culture container. The grid size is moderate, which is convenient for accurate counting by blocks.

The large frameless magnifying glass (which can achieve magnification of 3 times or 9 times of observation and counting) and the unique upper light source compensation illumination make the microbial appear completely, and the counting operation to be much easier.



## SPECIFICATIONS

Model	LTCOU9-3
Lighting	Matrix LED (White light)
Digital display	3 digit LED display
Counting range	0 ~ 999
Counting method	Pressure sensitive
Applicable petri dish	φ50 φ55 φ60 φ70 φ90
Magnification	3 times / 9 times
Protection class	IP21
Allowable relative humidity	80.00%
Allowable ambient temperature	5-50°C
Loupe size	90 mm/ 20 mm
Dimensions	259x210x160mm
Input power	20 W
Net weight	2.8 Kg
Input voltage(frequency)	AC 100-240V (50/60HZ)

# LTCOU10-1 CELL COUNTER

Bright field detection method with 6 chamber slot per slide



## SPECIFICATIONS

Model	LTCOU10-1
Chamber slot	6 slots per slide
Detection method	Brightfield
Focus	Manual focus
Data transfer	USB
Measuring Time per sample	2s
Sample concentration range	1x 10 <sup>4</sup> to 3 x 10 <sup>7</sup> cells/ml
Particle/Cell diameter range	5-200 µm
Sample volume	25 µ (*6 slots)
Optics	5 MP CMOS
Display	N/A (connected to laptop)
No. of user profiles	More than 100
Weight	1.8 kg

# LTCOU8-3 COLONY SPREADER

Four speeds options for user's requirement

Aluminum alloy disc can be sterilized by disinfectants and UV

Continuous operation is for daily use

Feasible 70/90mm plate, no need to replace the adapter



## SPECIFICATIONS

Model	LTCOU8-3
Diameter	170 mm
Height	80 mm
Operative Temperature	15°C~30°C
Centrifugal Speed	220 rpm, 250 rpm, 300 rpm, 350 rpm
Electric Current	0.5A
Weight	1.2 kg
Voltage	220V
Power	50 Hz



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