

COLONY COUNTER™

LA660

Your convenient route to accuracy



LA660D



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Digital Colony Counter - LA660

Introduction

In various research activities, taking total microbial count is a regular procedure. A major tedious task that requires attention on microbiological aspects is to simplify enumeration of bacteria colony number. Counting colonies using traditional manual methods were tiresome tasks requiring high levels of concentration. For these purposes colony counter machines provide an alternative, simplified and accurate solution. A colony counter is an instrument used to count colonies of bacteria or other microorganisms growing on an agar plate. HiMedia's Colony Counter (LA660) allows the user to quickly and accurately enumerate bacterial and yeast colonies. These counters are lighted surfaces on which the plates are placed, with the colonies marked off with a felt-tipped pen on the outer surface of the plate while the machine keeps the count. Simplification of the process and acquiring the bacterial count accurately and consistently is thus made possible.

Contents

- The Instrument
- An accessory Box consisting of
 - a) Mains cord
 - b) Marker Pen
 - c) Magnifying lens with Hexholder & tightening screw
 - d) Lensholding Rod
- Warranty certificate
- Instruction Manual.

Operating condition

Colony Counter will operate under most normal conditions, but should not be exposed to moisture or extreme variations in temperature.

Connecting the Accessories

- Connect the power cord to the Instrument and the Plug to an EARTHED three-pin mains socket, supplying 230VAC, 50Hz, single phase.
- Screw the Lens Holding Rod on the Lens Holding Base on the Instrument and tighten with the help of the L handle placed behind the instrument.
- Slide the Magnifying Lens on it. Focus the Lens by sliding up or down and tighten at desired level, taking care to leave enough height below the lens to be able to use the Pen.

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Operating Procedure

- Turn ON the Instrument by pressing the On/Off Switch.
- Place the Petri Plate on the Glass grid.
- Remove the cap of the Pen and press firmly keeping the Pen straight / vertical - on the Petri Dish where a Bacteriological Colony is located. The Counter will register a count, there will be a beep and an ink dot will be marked on the Petri Dish. Continue till all the colonies are thus counted.
- As a colony is marked with ink while it is being counted, missing a count or double counting is avoided. When the counting is completed. Note the reading on the counter.
- The COUNT push button switch (next to the RESET switch) may be used to count sparsely populated plates or for some other counting purpose also.
- Decrement switch for decrease count by one only.

Tips

- To Avoid contamination of the petri plate by pen marker, counting can be done in either of the following methods:
 - a) If the Petri Plate is finely plated (thin layer) then it can be kept upside down, and marking can be done on the bottom side (which is now on top)
 - b) The lid can be kept over the plate and marking may be done on the glass cover. But in this case, as there is a gap between the media and the marking, the counting should be done in one sitting without altering the view angle or moving/ turning the plate or its cover.
- Keep the cap on the probe when not in use.

NOTE: The special feature of this instrument is that you can use any hard tipped marker pen. You are not limited to using a proprietary pen.

Ordering Information

Marker Pen	LA660D-1NO	1NO
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