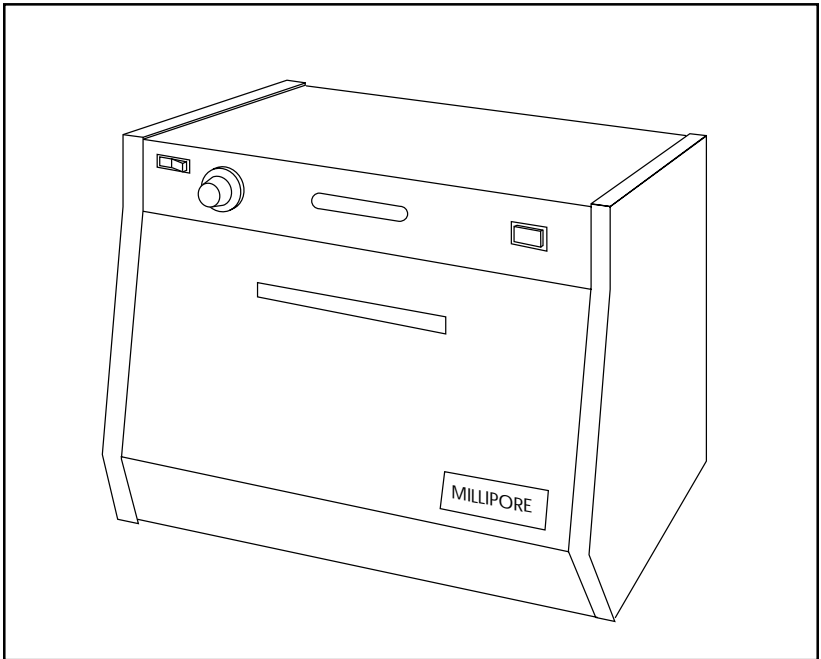


Millipore Laboratory Incubator

User Guide



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P36008 Rev. A, 9/00

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Introduction

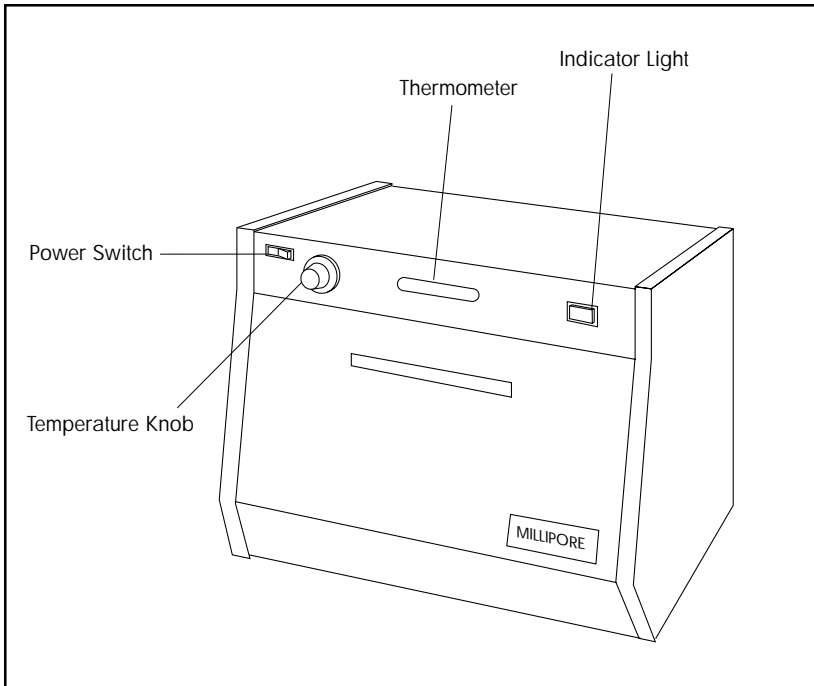
Millipore's laboratory incubator is a compact, bench-type incubator designed for incubating test filters in Millipore plastic Petri dishes, Monitors, or Samplers. Microbiological applications include culturing of test filters (MF method) for total coliform and total bacteria counts in water analysis, and microbiological control in beverage or food laboratories.

Operating temperature is adjustable by a panel knob, over the continuous range from room ambient to 55° C (131° F). This wide range of controlled temperatures allows the incubator to be used in many non-culturing applications, such as albumin tests, paraffin embedding, and filter clearing in cytological and histological studies. It is also useful for controlled warming of objects or materials that can be placed on the fixed shelves.

The laboratory incubator includes these features:

- Incubating temperature continuously adjustable between room ambient and 55° C (131° F).
- Temperature indicated by a panel-mounted thermometer, and is controlled to a variation of $\pm 0.5^{\circ}$ C in stable ambient.
- Three permanent shelves, with a usable height of 1-1/2" (38 mm), hold up to 37 Petri dishes (47 mm diameter filters), 60 Millipore Monitors (37 mm diameter filters), 36 Millipore Monitors (55 mm diameter filters), or 58 Millipore Samplers.

Diagram of Laboratory Incubator



Warnings and Cautions

- Use a properly grounded electrical outlet of correct voltage and current handling capacity.
- Disconnect the unit from the power supply before maintenance, cleaning, and servicing, to avoid electric shock.
- **Do Not** use near flammable or combustible materials. Fire or explosion may result.
- **Do Not** use this product for any purpose other than its intended use.
- Service must be performed by qualified Millipore personnel.

Operating the Incubator

1. Connect the incubator to a standard grounded outlet:
 - 115V 50/60 Hz for XX63 501 15
 - 230V 50/60 Hz for XX63 502 30
 2. Turn on the power using the power switch. The white indicator light goes on.
 3. Turn the temperature adjustment knob clockwise until the red indicator light goes on, indicating the unit is heating.
- NOTE: Do not advance the knob further once the indicator light goes on.
4. Allow the incubator temperature to stabilize. The red light flashes when the temperature stabilizes. Note the temperature displayed by the thermometer.
 5. Set the desired operating temperature by turning the knob. Each division change of the knob alters the internal temperature by about 5^o C.

NOTE: When the incubator reaches desired temperature, an index mark can be placed on the front panel for future reference when setting the temperature knob.

Cleaning and Storing the Incubator

- Wipe exterior surfaces with a lightly dampened cloth containing a mild soap solution.
- Disinfect the interior surfaces with 70% isopropyl alcohol, as needed.
- Storage temperature: -25°C to 65°C, 20% to 80% relative humidity

Troubleshooting

Problem	Possible Cause	Solution
Power switch does not light	Faulty power supply connection	Try alternate power supply
	Faulty power	Try alternate power supply
Heat is uneven, or there is no heat	Door not properly closed	Make sure door is securely closed
	Door gaskets are damaged	Contact Millipore Technical Service

Specifications

Materials of Construction: Steel and molded plastic case, aluminum shelves, foamed polyethylene insulation, corrosion-resistant blue enamel finish, rubber feet

Temperature: Incubating temperature continuously adjustable between room ambient and 55° C (131° F), thermostatically controlled and indicated by included thermometer. Variation within ± 0.5 ° C in stable ambients.

Electrical Ratings: 230 volts, 0.4 amp, 50/60 HZ, CE approved EN 50082-1, EN 55011
115 volts, 0.8 amp, 50/60 HZ, UL Listed 374B

Power Requirement: 100 watt heater, actual power used depends on ambient temperature and operating temperature control setting

Capacity: 37 Petri dishes for 47 mm diameter filters
60 Millipore Monitors for 37 mm diameter filters
36 Millipore Monitors for 55 mm diameter filters
38 Millipore Samplers
on three fixed rack shelves spaced 1 ½" (38 mm) apart. Shelf dimensions approximately 11" wide by 5 ½" deep (270 mm x 140 mm).

Specifications, continued

Connections: 250 volts, right Angle, 3-conductor, 3-meter harmonized rubber continental European cord set; 10 amps.

155 volts, 3-conductor 6 ft. vinyl-coated power cord with standard flat-prong grounding plug

Dimensions: height, 229mm (8")

depth, 208 mm (8 3/16")

width, 311 mm (12 1/4")

Power cord enters through strain-relief bushing in rear panels

Weight: 5.5 kg (12.1 lb.)

Operating Conditions: 17° C to 27° C

20% to 80% relative humidity, non-condensing

Altitude limit: 2,000 meters

Installation category II (over-voltage) in accordance with IEC 664

Pollution degree 1 in accordance with IEC 664

Product Ordering Information

This section lists the catalogue numbers for the Laboratory Incubator. See the Technical Assistance section for information about contacting Millipore. You can also buy Millipore products on-line at www.millipore.com/purecommerce.

Description	Catalogue Number
Laboratory incubator, 115 V/60 Hz	XX63 501 15
Laboratory incubator, 230 V/60 Hz	XX63 502 30

Technical Assistance

For more information, contact the Millipore office nearest you. In the U.S., call **1-800-MILLIPORE** (1-800-645-5476). Outside the U.S., see your Millipore laboratory catalogue for the phone number of the office nearest you. You can reach us by e-mail at tech_service@millipore.com or visit our web site (www.millipore.com).

Millipore Corporation is pleased to provide internet access to Material Safety Data Sheets (MSDS) for its products that contain hazardous materials. To obtain any MSDS documents that may be associated with this product, go to the MSDS page of our website (www.millipore.com/msds.nsf/home).

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