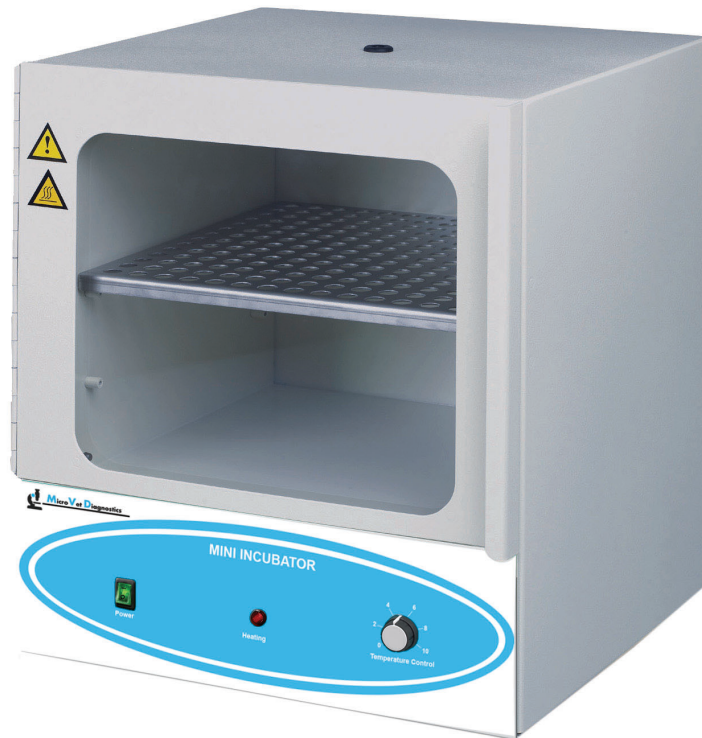


Mini Incubator

User Manual



CE

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Safety Information

Please follow the guidelines below, and read this manual in its entirety to ensure safe operation of the unit.



To avoid electrical shock:

- Do not use the incubator near water sources. Be sure that water doesn't get on the device, especially during the cleaning procedures!



Avoiding Damage to the Instrument

- Do not expose the incubator to aggressive vapors (e.g. organic solvents).

Package Contents

Description	Quantity
Incubator 115V: I5110A-MVD	1
Shelf: I5110-SHELF	1
Instruction Manual	1

Unpacking

Before starting the installation, carefully examine the incubator.

- Open the box and carefully remove the padding. Check that the incubator has not been visibly damaged during transportation. Keep the packing material until you are sure that the incubator works properly.
- Carefully lift the device out of the box.
- Be sure that the following information is included on the serial label located on the back of the unit: Serial Number, Product number, Electrical rating.
- Check that the power cord plug has a pin configuration that matches a wall socket according to the local standard.

Should any kind of damage have occurred during transportation, contact the carrier immediately. The carrier is responsible for shipping damage.

Installation

Place the incubator on a horizontal, level and stable surface. Connect the plug end of the cord to a grounded wall socket. Avoid lines on which powerful electric motors, refrigerators and similar devices are connected. Use the on/off switch to control power to the incubator.



Use caution when plugging into a grounded wall socket!

Do not touch plug with wet hands!

Do not unplug by pulling on the cord!

Intended use

The Mini Incubator is a compact general purpose convection incubator capable of uniformly heating samples up to a maximum of 70C. The unit comes with a movable shelf and has a door window area so samples can be observed without opening the door causing heat loss.

Symbols and conventions

The following chart is an illustrated glossary of the symbols that are used in this manual.



CAUTION This symbol indicates a potential risk and alerts you to proceed with caution

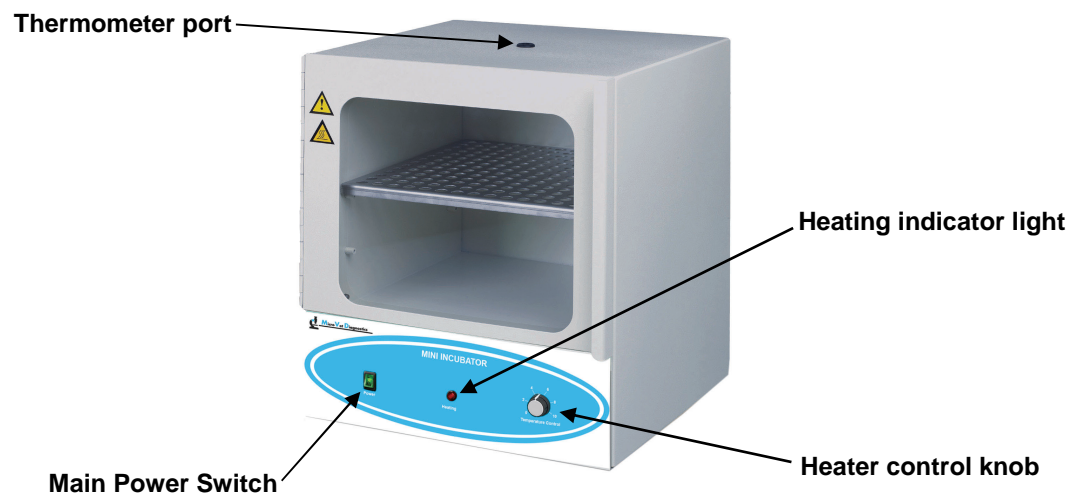


CAUTION This symbol indicates the presence of high voltage and warns the user to proceed with caution

Product Specifications

Electrical requirements:	115V r10% - 50/60Hz, 0.6A
Temperature range:	Ambient +5C to 70C
Controls:	Analog –hydraulic
Chamber w x d x h:	23 x 20 x 20 cm
Dimensions WxLxH:	28.5 x 28 x 33.5 cm
Included accessories:	Shelf (1)
Weight:	8.3 kg/18.4 lb

Description of Buttons and Switches



Getting Started

Place the unit on a level surface and plug the unit into a properly grounded outlet of appropriate voltage.

Install the shelf at the desired height, shelf edges down. If you intend to place samples on the bottom of the chamber, install the shelf so that it sits edges down on the chamber bottom thus creating an air gap between the chamber bottom and your samples. When installing your shelf, remember to leave clearance for the thermometer bulb which will come down from the roof of the chamber.

Gently insert the thermometer into the hole in the top of the incubator. Inserting or removing the thermometer too quickly can dislodge the rubber grommet used to hold the thermometer. For maximum accuracy, insert the thermometer to a point where the thermometer immersion line is just inside the incubator chamber.

Operation

Push the power switch to the ON position. The switch should illuminate.

Set the Temperature Controller to 10. When the thermometer reaches the desired operating temperature, turn the control down until the heating light turns off. Wait for the temperature to stabilize. Make small adjustments up and down as required until the desired operating temperature is obtained. Allow the unit to stabilize between each adjustment. Temperature stability is obtained when the HEATING lamp is going on and off automatically and the temperature remains constant.

Optional - The oven has a port in the back for the unit for passing a power cord out of the rear of the unit. This is for powering a small piece of equipment (shaker, etc.) in the incubation chamber. To pass a cord through, rotate the inner and outer doors up to reveal the pass through. Then slide the end of the power cord through the port. Then close both doors, resting the cord in the notch.

Troubleshooting

Review the information in the table below to troubleshoot operating problems.

Problem	Cause	Solution
Oven does not heat	Power connection	Check power connection
	Fuse	Check fuse
	Temperature set low	Adjust temperature control knob higher
	Other	

Should you have a question about the operation of *the Mini Incubator* or if service is required, contact **MicroVet at: 800-640-7780**. Do not send in a unit for service without first calling to obtain a repair authorization number. Should the unit require return to MicroVet for service, it should be properly packed to avoid damage. Any damage resulting from improper packaging shall be the responsibility of the user.

Repair and maintenance of the Mini Incubator

x No routine maintenance is required.

Cleaning

The outside housing can be cleaned with a soft, damp cloth when needed.

Do not use any aggressive or abrasive cleaners (acetone, nitro, polish etc.) This may permanently damage the rotator finish.

Before cleaning the incubator, always unplug the power cord from the wall socket!

Warranty Statement

MicroVet warrants that this product will be free from defects in material and workmanship for a period of one (1) year from date of purchase. MicroVet DISCLAIMS ALL OTHER WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. MicroVet's sole obligation shall be to repair or replace, at its option, any product or part thereof that proves defective in material or workmanship within the warranty period, provided the purchaser notifies MicroVet of any such defect. MicroVet is not liable for any incidental or consequential damages, commercial loss or any other damages from the use of this product.

This warranty is valid only if the product is used for its intended purpose and within the guidelines specified in the supplied instruction manual. This warranty does not cover damage caused by accident, neglect, misuse, improper service, natural forces or other causes not arising from defects in original material or workmanship. This warranty does not cover motor brushes, fuses, light bulbs, batteries or damage to paint or finish. Claims for transit damage should be filed with the transportation carrier.

In the event this product fails within the specified period of time because of a defect in material or workmanship, contact MicroVet's Customer Service at the following numbers: USA & Canada: 1-800-640-7780.

MicroVet's Customer Service team will help arrange local service where available or coordinate a return authorization number and shipping instructions. Products received without proper authorization will be returned. All items returned for service should be sent postage prepaid in the original packaging or other suitable carton, padded to avoid damage. MicroVet will not be responsible for damage incurred by improper packaging. Some states do not allow limitation on the length of implied warranties or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights. You may have other rights which vary from state to state.

No individual may accept for, or on behalf of MicroVet, any other obligation of liability, or extend the period of this warranty.

For your reference, make a note of the serial number, date of purchase and supplier here.

Serial No. _____ Date Purchased _____

Supplier _____

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. MicroVet makes no claims regarding the performance of these products for clinical or diagnostic applications.



MicroVet Diagnostics

800-640-7780 www.MicroVetDiagnostics.com