



***MICROJIVE
2 PLATE***

270300

***MICROJIVE
4 PLATE***

270340

Operating Instructions



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1. Safety

The following symbols mean:-














Caution: Read these operating instructions fully before use and pay particular attention to sections containing this symbol



Caution: Surfaces can become hot during use.

Always observe the following safety precautions

-  Use only as specified by the operating instructions, or the intrinsic protection may be impaired.
-  After transport or storage in humid conditions, dry out the unit before connecting it to the supply voltage. During drying out the intrinsic protection may be impaired.
-  Connect only to a power supply with a voltage corresponding to that on the serial number label.
-  Ensure that the main switch and isolating device (power supply connector) are easily accessible during use.
-  Connect only to a power supply which provides a safety earth (ground) terminal.
-  Before moving, disconnect at the power supply socket.
-  If liquid is spilled inside the unit, disconnect it from the power supply and have it checked by a competent person.
-  It is the user's responsibility to carry out appropriate decontamination if hazardous material is spilled on or inside the equipment.
-  Do not place a load exceeding 0.7 lb. on the unit.
-  Place unit on a solid work surface or laboratory bench.
-  Clean the unit only with a damp cloth, do not use chemical cleaning agents.

2. General Information

- 2.1 The Boekel Scientific **MicroJive** is designed for immuno-diagnostics and is used for mixing biological liquids as well as incubation and cultivation of biological liquids according to the program set by the operator.
This device can also be used for mixing any biological and chemical components and can be used in all areas of medicine, biotechnology and microbiology laboratory research.
- 2.2 The principle of the Boekel Scientific **MicroJive** operation is based on the creation of the rotational movement of the platform and is controlled from the front LCD panel.

3. Getting started

3.1 Unpacking

Remove packing materials carefully and retain for future shipment or storage of the unit.

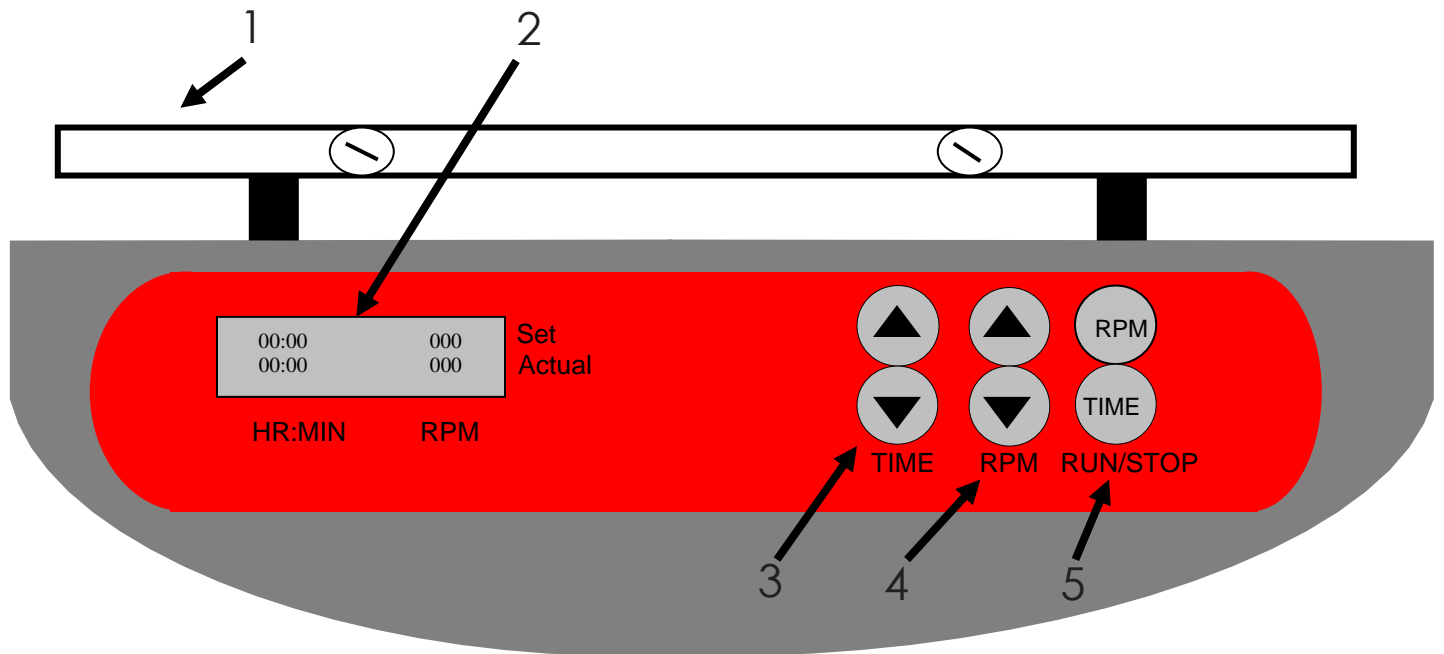
3.2 The **MicroJive 2** Plate set includes:

- **MicroJive** 1 piece
- 2 Plate Platform 1 piece
- Operating Instructions 1 copy
- AC/DC adapter 1 piece
- Plug Adapter Kit for UK-Europe-Australia 1 kit

3.3 The **MicroJive 4** Plate set includes:

- **MicroJive** 1 piece
- 4 Plate Platform 1 piece
- Operating Instructions 1 copy
- AC/DC adapter 1 piece
- Plug Adapter Kit for UK-Europe-Australia 1 kit

4. Operation



- 4.1 Place the plates on the platform (1) and tighten the screws to the side of your plates. Connect the **MicroJive** to the adapter and the adapter to the main power
- 4.2 Connect the **MicroJive** to the adapter and the adapter to the main power. The timer/RPM display (2) will be illuminated .
- 4.3 Using the TIME ▲ and ▼ keys (3) set the necessary working time with the help of the timer/RPM display
- 4.4 Using the RPM ▲ and ▼ keys (4) set necessary working speed with the help of timer/RPM display.
- 4.5 Press the **RUN/STOP** RPM button (5). The platform begins the shaking movement and the timer starts counting up to the set time interval.
- 4.6 Using the **Speed** control (4) keys set/change the frequency of the platform shaking.

4. Operation (cont'd)

- 4.7 After the set time has expired, the shaking stops and the set working time is displayed.
- 4.8 For repeat operations with the same working time and frequency press **RPM** button.
- 4.9 If necessary the unit can be stopped before reaching the set time by pressing the **RPM** button (5). For 20 seconds the display will show the elapsed time, after that, the set time.
- 4.10 If the working time is not set (or is deleted) and the indicator shows {000}, pressing of the **RPM** button cause continuous operation of the Shaker until the **RPM** button is pressed again.
- 4.11 Once all operations are finished, unplug the unit to power it off.

5. Specifications

- 5.1 The Boekel Scientific *MicroJive* will provide:**
- smooth rotational movement of the platform;
 - continuous adjustment of the revolution speed;
 - even amplitude across the whole platform of the Shaker;

- 5.2 Specification**
- Revolution adjustment range150-1000 rpm
 - Amplitude of rotational shift 2 mm
 - Timer1min-23h 59min
 - Working temperature range+4° - + 45°C
 - Working regime adjustment time10 s
 - Number of immune plates2 pieces or 4 pieces
 - Working voltage; external power source in accordance
with local standards.....12VDC, 500mA

 - Weight4.6 lb.
 - Dimensions10.75w x 10.25d x 3.5h (in)

6. Warranty and Service

6.1 Warranty

When used in laboratory conditions and according to these operating instructions Boekel Scientific warrants this product to be free of defective parts, material and workmanship for a period of two years from the date of shipment. The liability of Boekel Scientific for any defective equipment during the warranty period shall be limited to the repair of such equipment or replacement thereof without charge for parts or labor.

6.2 Service

A Boekel Scientific Return Material Authorization (RMA) number provided by Boekel Scientific is required before any Boekel products are returned for any reason. Contact Boekel Customer Service at 1-800-336-6929 Extension 5. A Decontamination Certificate must be completed, signed by the user, and returned to Boekel Scientific prior to receiving the RMA number. Please be sure to mark the outside of the returned goods package with this RMA number to ensure prompt handling.

Boekel Scientific
855 Pennsylvania Blvd.
Feasterville, PA 19053
PHONE: (215) 396-8200 Ext. 5 or (800) 336-6929
FAX: (215) 396-8264
E-mail: boekel-info@boekelsci.com