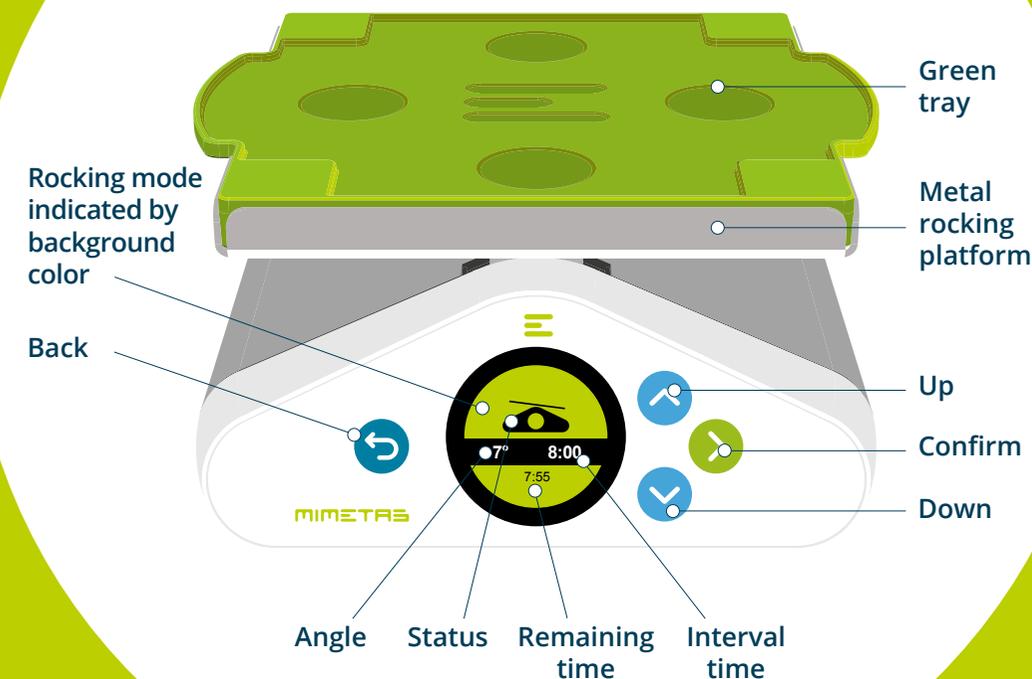


OrganoFlow®



Safety regulations & standards

Mimetas hereby declares under its sole responsibility that the construction of this product conforms in accordance with the following standards:

Safety standards:

- NEN-EN-IEC-61010-1
- Safety requirements for electrical equipment for measurement, control and laboratory use.

EMC standards:

- NEN-EN-IEC-61000-3-2/3-3
- NEN-EN-IEC-61326-1
- RoHS compliant

Associated guidelines:

- EMC directive 2014/30/EC
- RoHS directive 2015/863
- RoHS2 directive 2011/65/EU
- Low Voltage Directive 2006/95/EC
- CE approved
- FCC approved

Warranty

Mimetas warrants the OrganoFlow® against defects in materials and workmanship for 2 years. Within this time period, Mimetas will replace or repair, without charge to the original purchaser, any defective part. The warranty is void if the product is defective due to product accident, product modification, connection to an improper electrical supply, lack of proper maintenance, contamination, improper installation or misuse. The warranty shall also not apply to defects arising from fire, flood, lightning or other conditions unrelated to correct operation of

the product. Warranty can be covered by, at Mimetas' election, (1) refund of the original purchaser's purchase price for the product (2) repair of the product, or (3) replacement of the product or defective parts. Evidence of purchase by the original purchaser is required. Mimetas makes no other warranty, expressed or implied, with respect to its products.

MIMETAS makes no warranty regarding the merchantability of the products or their suitability or fitness for any particular purpose of use.

Mimetas shall not be liable for, indirect, special, incidental or consequential damages of any nature. Any recovery for any claim shall be limited to the original purchase price for the product. If the OrganoFlow® is used in a manner not specified, the protection may be impaired.

Terms & conditions

The purchase and delivery are subject to the General Terms and Conditions of Delivery, Purchase and Use of Mimetas B.V.

www.mimetas.com/en/company/terms-conditions/

Contact info

For Mimetas product service information or support, please contact us by any means:

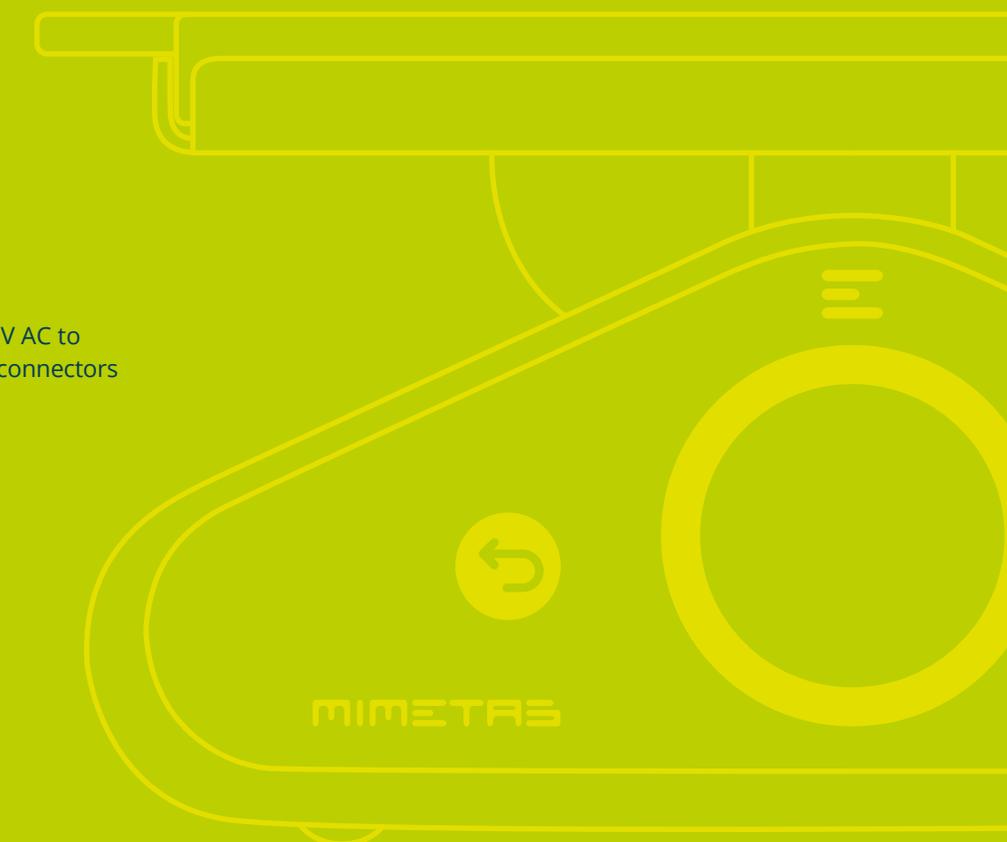
+31 (0)85 888 31 61
support@mimetas.com

Instruction manual for safe use and warranty of

OrganoFlow®

Package contents

- OrganoFlow®
- Green tray
- Power adapter (230/110 V AC to 12 V DC) and wall socket connectors
- Instruction manual



This document contains the necessary instructions to install and safely operate the OrganoFlow®. Please carefully read this manual prior to setting up and operating the device.

Getting started

Please follow the instructions below to install the OrganoFlow®.

1. After unboxing, place the OrganoFlow® on a levelled surface where you'd like your OrganoPlate® culture to be. If this is a lab environment, consider cleaning it prior to step 2.
2. Plug in the AC/DC power adapter and switch on the OrganoFlow® by using the ON/OFF switch located at the back of the instrument.
3. Press the confirm button to 'Home' the platform of the OrganoFlow®.
4. You're now in the main menu. The top row tells you the mode of operation you're in. This can be changed by pressing the confirm button. Choose your desired rocking mode using the up and down buttons, to choose between I) interval mode, II) continuous mode or III) Custom mode. When in interval mode, the OrganoFlow® will move the platform to the selected rocking angle and will remain at this position for the selected interval duration. In continuous mode, the OrganoFlow® will move the platform over the selected interval while never being static. In custom mode, you'll have the option to set the angle, interval and travel time for the right and left side individually, allowing for more complex rocking cycles.
5. After choosing your mode of operation, choose its corresponding parameters. For 'Interval' those parameters are the angle and the interval (same for both left and right). For 'Continuous' those parameters are the angle and the travel time (same for both left and right), for 'Custom' you first choose the angle, the interval and the travel time for the right side, after which you do the same for the left side.
6. When satisfied with your setup, you can press confirm to Start the program. Before installation of the OrganoFlow® in an incubator, make sure to switch it off and sterilize it as described in the service and maintenance section.
7. Press confirm on 'start now' to start immediately or if you want to start later press confirm on 'Delay'
8. When choosing 'Delay', set your time for delaying the program and confirm (maximum 600 minutes).
9. Before installation of the OrganoFlow® in an incubator, make sure to switch it off and sterilize it as described in the service and maintenance section.

During operation, it is possible to pause the rocking motion at any point in time. Press back, navigate to 'Pause' and confirm. A timer can be set to pause for a desired amount of time (maximum of 30 min). When stopping operation, press back and navigate to 'Stop' and confirm. The platform will home and you'll be brought back to the main menu.

Note: In interval mode and custom mode, the interval includes the travel time. Therefore you cannot have a travel time exceeding the interval time. The minimum travel time is 5 seconds, therefore, when the interval is set to 8:00, the static time will be 7:55.

Intended use

The OrganoFlow® is intended for research applications only and is specifically developed for use in combination with the OrganoPlate® platform only. Besides its use in general lab conditions, the OrganoFlow® is designed to function in CO2 incubators at temperatures between 5 and 40 °C (41 - 104°F). For indoor use only. When not in use, store the OrganoFlow at room temperature in a dry and dark place protected from direct sunlight.

The OrganoFlow® L can be used in combination with the OrganoTEER®. For more information, please check out the OrganoTEER® manual or our latest protocols on mimetas.com.

Service and maintenance

The OrganoFlow® is designed to provide long lasting operation with minimal maintenance. No technical user maintenance is required and no serviceable parts are inside the OrganoFlow®. We recommend positioning the OrganoFlow® in a clean environment compatible with sterile cell culture practices (BSL1). The OrganoFlow® and its cable can be safely cleaned on a regular basis with 70% ethanol. For a deeper sterilization, a multipurpose disinfectant solution such as Virkon™ S or bleach can be used. Use a soaked tissue to wet the surfaces of the OrganoFlow®, including the plastic cord of the power cable, and let it incubate for a maximum of 10 minutes. To minimize degradation of the surfaces of the OrganoFlow®, the aluminum body in particular, wipe off residues of Virkon™ S and bleach with a sterile paper towel soaked in 70% ethanol or distilled water. If necessary, the green rocking tray and the metal rocking platform can be removed by unlatching the small screw at the back of the platform and lifting the tray. Always make sure the power is disconnected from the OrganoFlow® before cleaning.

	OrganoFlow® S	OrganoFlow® L
Dimensions LxWxH (cm)	16x16x8	45x16x8
Weight (kg)	1.3	2.4
Power consumption (W)	0.8	1.0
Maximum load	4 OrganoPlates®	16 OrganoPlates®
Maximum load (kg)	0.4	1.6
Sliding Tray	No	Yes
IP rating housing	IP54	
Tilt angle	0° to +25°	
Modes of operation	Interval, continuous & custom	
Tilting interval	5s - 999 min	
Operating conditions	Up to 40°C (104°F) and 95% RH (non-condensing)	

Safety instructions

WARNING! Switch off the power and disconnect the power supply before lifting or moving the OrganoFlow® for service or maintenance to avoid electrical shock.

WARNING! DO NOT use the OrganoFlow® in hazardous conditions or expose it to hazardous materials/chemicals for which the device was not intended.

DO NOT lift the OrganoFlow® by the rocking tray to avoid mechanical damage.

DO NOT insert fingers into any pinch points. **DO NOT** submerge the OrganoFlow® body into any liquid. For cleaning, follow the instructions in the service and maintenance section.

Trouble shooting

The OrganoFlow® is equipped with active levelling technology, which makes sure that your cultures are always rocking the way it is intended to, even when accidental desynchronization happens, for instance when the platform is temporarily obstructed.

When the platform is accidentally obstructed, the OrganoFlow will notice and will beep once and correct for it. When this happens several times after each other, but the OrganoFlow can still correct for it, it will do so, but also show an error message. Please check your setup for any obstructions in the way.

When the OrganoFlow keeps being obstructed in its movements and it cannot correct for it, it will beep continuously and show an error message. Please check your setup and remove any obstructions. Possibly reset your OrganoFlow. Contact Mimetas support for help if this happens more frequently.

When the OrganoFlow loses power during operation, it will remember its settings and will continue its operation once its powered again. It will show a message that it has auto restarted, including a timer from the moment is restarted. Accepting this message will bring you back to regular mode of operation.

When noticing a wobbly metal tray, possibly tighten the metallic screw at the back of the OrganoFlow. No tools are required doing this, hand-tight should be sufficient.

Messages from the OrganoFlow



-Note- Device was running during shutdown, program restart in 10 sec. It might be that the OrganoFlow was turned off while running or the power just got on after a power cut. Your program will continue after 10 seconds, but you can overrule this by cancelling and you will be brought back to the main menu.



-Note- Device has auto restarted. This message is displayed after previous note. The OrganoFlow was interrupted in its program but has auto restarted. A timer will show you when the program has started again. Accepting this message will bring you back to the display of the active program.



Warning. Irregularity of movement. This message shows you that there has been irregularity in its movement, it could be that the platform was hit or something was temporarily obstructing the platform movement. Make sure that the platform can move freely, Accept the message after doing so. If this message keeps coming back, please contact customer support.



ERROR. Obstructed movement. After the previous warning, this message is showing there is mayor obstruction in the platform movement. Make sure that the platform can move freely and accept the message. If this message keeps coming back, please contact customer support.