



Zymocube

Instructions for use

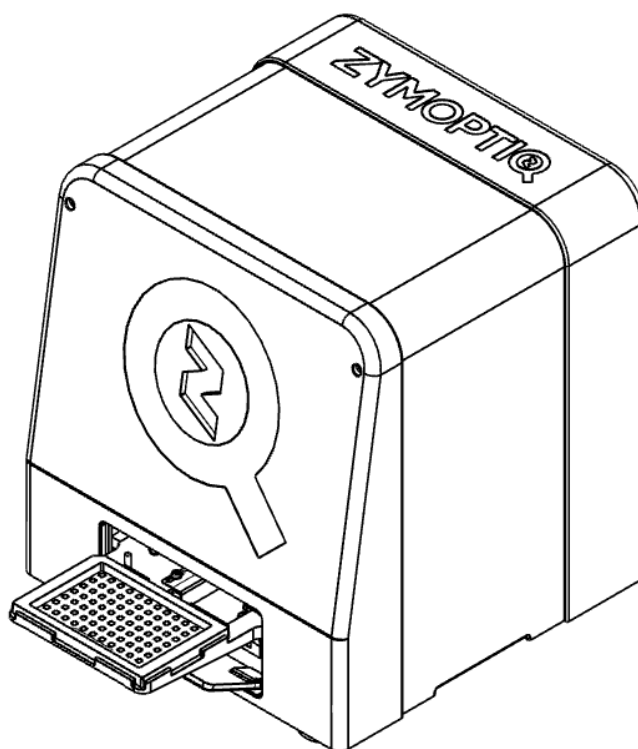


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Manufacturer

The Zymocube is a product of the company Zymoptiq located at:
Zymoptiq
15 rue Pierre et Marie Curie
59 260 Lezennes
France

Description

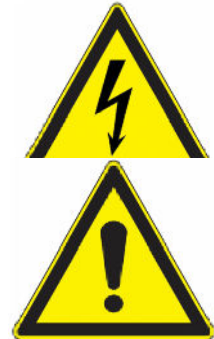
The Zymocube is the plate reader for Zymplates. It uses contact-free optical measurement to record the evolution of the sensors from the Zymplates and thereafter give a measure of enzymatic activity.

Regulatory Requirements

- DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of the 26th February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast).
- DIRECTIVE 2014/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of the 26th February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits.
- NF EN IEC 61326-1 (June 2021) Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements.
- NF EN 61010-1 (January 2011 + A1 February 2019) Safety rules for electrical equipment for measurement, control and laboratory use - Part 1: General requirements.

Safety Instructions

- These instructions for use will familiarize you with the use of the product. Keep them carefully so that you can consult it if necessary.
- For warranty terms, please contact your dealer. Please also take into account the general conditions of sale.
- Make sure to use the product only as specified in the instructions. Misuse may damage the product or its environment. No warranty can be applied in case of misuse.
- Disassembling or modifying the product affects its safety. Caution, risk of injury!
- Never open the device. Never attempt to repair the product yourself!
- Handle the product with care. A blow, a shock, or a fall, even from a low height, may damage it. Do not expose the product to moisture or extreme heat. Never immerse the product in water or any other liquid.
- Do not expose the product to vibration.
- Do not touch the device with wet hands. This can damage the device or cause an electric shock to the user.
- Keep the product out of reach of children!
- Do not use the device in a dirty or dusty environment, as this may damage moving parts. You should also not store the device in such an environment.
- Do not use harsh chemicals, solvents, or strong detergents to clean the product. Wipe it with a soft cloth, which can be slightly moist (water and/or soapy water).
- Never look directly into the light beam of the microscope. This can cause irreversible eye damage.
- This device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or persons lacking experience or knowledge, unless they have been given prior supervision or instruction about the use of the device by a person responsible for their safety.
- If the power cable is damaged, it must be replaced by the manufacturer, its after-sales service or persons of similar qualification in order to avoid any danger. Do not use the device until the repair has been done.
- The manufacturer accepts no liability for material damage or damage (physical or moral) due to improper use and/or failure to observe the safety instructions.
- Subject to change and error.



Important instructions for waste disposal

This electronic device should NOT be disposed of in the household waste bin. For proper waste removal, please contact the public collection points of your local-area. Details regarding the location of such a pick-up point and any existing quantity restrictions per day/month/year, as well as any collection costs, are available in your local-area.

Original condition

It is essential that the user reads and complies with the instructions and warnings contained in this manual in order to preserve the good working condition the system had at its delivery and to ensure safe operation.

Regulations

Comply with general and local regulations regarding accident prevention and environmental protection.

Electrically powered accessories were built according to state-of-the-art technology and have an EU Declaration of Conformity.

The Zymocube is only intended for use indoors on a hard floor.

Position the Zymocube so that it can be unplugged from the mains at any time. The power-supply cord must be reachable at any time because it acts as an electrical shut-off device.

Place of use

Use instruments only in closed, dust-free rooms with room temperatures between +10°C and +40°C. Protect devices from oil, chemicals and extreme humidity. Never use electrical devices outdoors. Install electrical devices at least 10 cm away from a wall and away from any flammable substances.

It is advisable to avoid strong temperature fluctuations, direct sunlight and shaking. In a hot or hot and humid climate, individual components require special maintenance to prevent fungal contamination.

Use the instrument in an environment free of vibrations (*i.e.* ceramic bench).

Non-compliant use

Unless expressly stated otherwise, do not install any other plugs or connections or unscrew any mechanical components. The devices and accessories described in this instruction manual have been checked for safety and possible risks. Before any intervention on the instrument, in case of modification or use in combination with components from another manufacturer and/or outside the scope of this manual, you must contact the after-sales service. Unauthorized intervention on the device or use not in accordance with its intended use cancel any right to a warranty.

Computer configuration

The Zymocube is delivered with a computer and the necessary wiring for its proper installation. It is recommended not to use the Zymocube with another computer or to use accessories other than those provided or recommended by the manufacturer.

If there is any doubt about installing or updating the workstation, contact the after-sales service.

The Zymocube is a standalone instrument, the supplied computer does not need to be updated or connected to network. This could affect the performance of the product.

Maintenance instructions

General instructions

Protect the Zymocube system from moisture, vapours, acids, alkalis and corrosive substances. Do not store chemicals near the Zymocube.

Protect the Zymocube from oil and grease. Never grease or oil mechanical parts or sliding surfaces.

If disinfection is necessary, follow the instructions of the manufacturer of the disinfectant product.

Cleaning of coated pieces and plastic parts

Dust and dirt particles should be removed with a soft brush or lint-free cloth.

Remove large impurities with a moistened disposable cloth.

The use of acetone, xylene or nitro diluents is PROHIBITED.

Never use chemicals to clean colored surfaces and accessories with rubber elements, as this may damage the surfaces and particles resulting from abrasion may contaminate the preparations.

Accessories, maintenance and repair

Accessories

Only the following accessories can be used with the Zymocube:

The accessories from Zymoptiq described in this instruction manual.

Other accessories, provided that they have been expressly approved by Zymoptiq as technically safe in this context.

The Zymocube is designed to work with Zymplates only. Do not insert other samples or plates into the reader. Risk of deterioration of the machine.

Maintenance

In principle, the Zymocube is maintenance-free.

To ensure that its operation is always safe and reliable, we recommend that you contact your after-sales service.

For maintenance and repair, only OEM (original equipment manufacturer) spare parts should be used.

Repairs and after-sales service operations

Only original spare parts from Zymoptiq are permitted.

Before opening a device, turn it off and disconnect the power cable.

Avoid contact with live electrical circuits, which could cause injury.

Address of the after-sales service:

ZYMOPTIQ
15 rue Pierre et Marie Curie
59 260 Lezennes
France

In case of problems, please contact us:

orders@zymoptiq.com

Electrical characteristics and ambient conditions

In order to maintain a working condition and ensure safe operation, the user must comply with the instructions and warnings contained in this user guide.

Environment

Operating temperature +18 °C ... +25 °C

Storage temperature +10 °C ... +40 °C

Humidity during operation and storage 20–70%

The Zymocube is intended for indoor use.

The Zymocube is designed to be installed at an altitude below 2000m.

Keep the instrument away from potential sources of vibrations (centrifuge, air conditioning, hood) or turn off these devices during measurements using the Zymocube.

Electrical characteristics

Input: 220 V, 50/60 Hz, 100 W

Permissible fluctuation of the network voltage: 10%

Deployment and power-up

Installation:

The Zymocube must be installed on a flat, stable and horizontal surface (a ceramic bench for example). Before turning on the Zymocube, make sure that nothing stands in the way of opening its front drawer.

Connections:

Three cables connect the Zymocube, either to the computer or to the mains:

- The power cable to the mains;
- The USB cable to the computer;
- The Ethernet cable to the computer.

Starting sequence:

- 1- Turn on the computer
- 2- Turn on the Zymocube (wait 1 minute for the machine to initialize)
- 3- Starting the "Zymosoft" software

Dimensions

The Zymocube weighs about 15kg and measures 31x35x31cm (W x H x D).

The system in its transport box weighs around 26kg.

