

Mespresso

Micro media preparator

Culture media in minutes







Mespresso

Compact.

Compact design, small-scale dimensions and low weight allow **Mespresso** to be installed literally everywhere – all you need is an electrical socket.

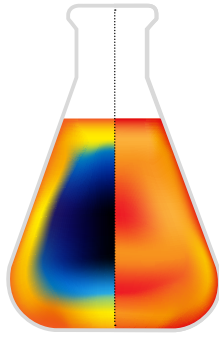
Personal.

Always available for you to use. 24 h a day, 7 days a week. You no longer have to wait to sterilize the needed media.

Rapid.

Owing to the application of Direct Energy Transfer technology, the sterilization of liquid media takes a very short time – as short as it takes to have a cup of coffee.





A revolution in the sterilization of liquid media

In the **Mespresso** autoclave, the thermal energy required for sterilization is supplied directly to the medium. Microwaves are used as the energy source, so that heating of the medium is immediate and uniform.

TRADITIONAL
STERILIZATION

MICROWAVE
STERILIZATION

7 min TOTAL TIME
OF STERILIZATION



In comparison with the traditional steam autoclave, sterilization takes 5 times less time, while the exposure to high temperatures is very short (60-90 seconds). This minimises the decomposition of microbiological medium.





Plug and work

Operation of the **Mespresso** autoclave is intuitive, does not require additional training. All you need is a standard electrical socket. Just plug it in and start to work. As simple as that.

Touchscreen



All functions are operated from the touchscreen; the touchscreen displays also progress of the sterilization process.



Standard vessels

Liquid media such as microbiological media, buffer solutions, carbohydrate solutions or water can be sterilized in standard laboratory vessels of 100 to 500 ml capacity and temperature resistant up to 135°C (glass or plastic – PMP, PP, PTFE, FEP).



Data logging

Each sterilization operation is automatically stored on a memory card. As the data is stored in a format compatible with GLP it can be copied to any PC and read using the inclusive **Mespresso** Data Viewer software.





Price that changes the rules

The revolutionary price of the **Mespresso** autoclave allows every staff member in the lab to have one on his disposal.



Express process

Ease of use and very short sterilization times make the preparation of sterile liquid media as simple as coffee making. And it does not take much more.

Quality guarantee

Mespresso autoclaves have a standard 24-month warranty.



Compact dimensions

Owing to small dimensions, the **Mespresso** autoclaves can be placed anywhere, thus saving precious space in the lab.

Instant availability

Order your **Mespresso** autoclave – by phone or online, at: www.biotoolswiss.com





All Mespresso media preparators are covered by a full 2-year warranty

Process parameters (liquid media)

Sterilization temperature	135°C
Exposure time to process temperature	25 s
Heating time	1,5-4,5 min
Cooling time	ok. 4-12 min
Temperature after process completion	95°C
Total process duration	7-15 min



VESSELS

Standard laboratory flasks and bottles, made of glass or plastic, resistant to temperatures up to 135°C.



SPECIFICATIONS

Power supply	230 V/50-60Hz
Power output	0,95 kW
Maximum power consumption	8 A
Operating pressure	3,4 bar
Weight	15 kg
Dimensions	280x280x427 mm
Process chamber capacity	2 dm ³
EM wave frequency	2450 MHz
Protection	IP 20
Data logging	microSD card

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