

elab[®] essential

Light, small, essential
for your laboratory



TECNIC



elab
essential

Maximize your laboratory efficiency with the eLAB[®] essential bioreactor, a compact solution designed for high-performance.

Weighing under 5 kilograms and with a slender 20 cm profile, the eLAB[®] Essential bioreactor is **designed for optimal laboratory integration** and is perfectly suited for crowded lab spaces. Engineered for seamless operation, it emphasizes essential functionalities for consistent reliability and performance efficiency. The system's intuitive color-coding system facilitates project organization, and the intuitive eOS interface enhances workflow and streamlines the learning curve for novice users.

Furthermore, with four addition pumps, the eLAB[®] essential can **manage multiple solutions concurrently**, offering versatility in experimental setups. It caters to a variety of research needs with vessel volumes from 0.5 to 5 liters and is designed for plug-and-play readiness. It also offers dual compatibility with both single-use and multi-use vessels for maximum versatility.

Control is at your fingertips with the **eOS interface displayed on a portable tablet**, enabling precise adjustments of critical parameters such as pH, temperature, agitation, foam, and pO₂ with just a touch. This level of control, combined with the system's adaptability, provides an **excellent platform for customization** to meet the unique demands of various experiments. Overall, this meticulous oversight ensures optimal conditions for the growth and development of cells or microorganisms, achieving efficient and productive results.

Key Functionalities

eLAB[®] essential Tower

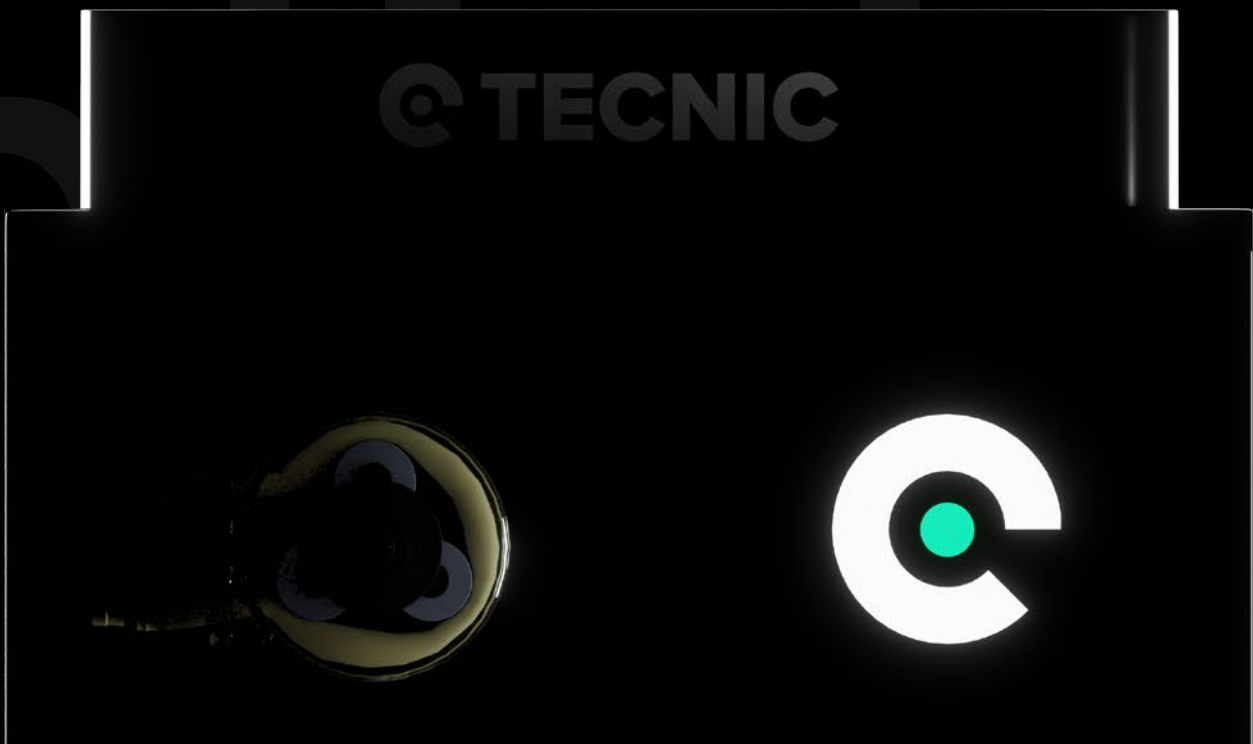
Dimensions (WxHxD)	198 x 335 x 200 mm
Weight approx	5 Kg
Working volumes	1, 2 and 5 L
Configuration	Microbial / Cell culture
Integrated peristaltic pumps	4x for acid, base, antifoam and media addition
Heating blanket	Included
Temperature control	Included
Stirrer speed control	Included
DO control	Included
pH control	Included
Foam control	Included
Mass flow controller for gas addition	Included
Recipes management	Included
User's management	Included
Reports	Included
eOS software	Included

eLAB[®] essential Single Use Vessels

External SIP version	Included
Piping system with valves and steam traps SIP	Included
Temperature measurement of condensate traps	Included
AUTO SIP version	Optional

eLAB[®] essential Multi Use Vessels

Jacketed	Included
Sight glass	Included
Servomotor agitation	Included
Stirrer shaft with mechanical seal	Included
Servomotor agitation	Included
Stirrer shaft with mechanical seal	Included



Contact

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Multi Use,
Non-Jacketed Vessel
1L, 2L, 5 L

Single Use Vessel
0.5 - 5 L



Technical data subject to change without notice.
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