

# elab<sup>®</sup> essential

Light, small, essential  
for your laboratory



TECNIC



**elab**  
essential

## Maximize your laboratory efficiency with the eLAB<sup>®</sup> essential bioreactor, a compact solution designed for high-performance.

Weighing under 5 kilograms and with a slender 20 cm profile, the eLAB<sup>®</sup> 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<sup>®</sup> 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 pO<sub>2</sub> 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<sup>®</sup> essential Tower

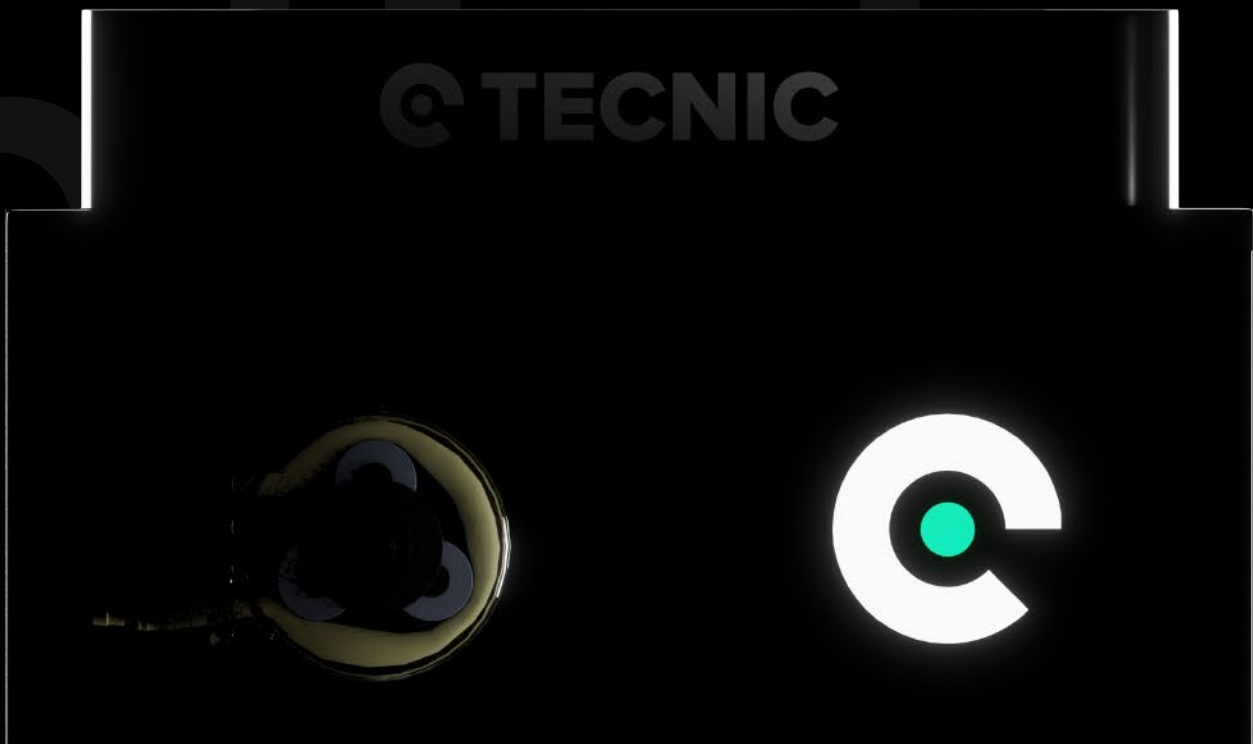
Dimensions (WxHxD)	198 x 335 x 200 mm
Weight approx	5 Kg
Working volumes	0,5, 1, 2 and 5 L
Configuration	Microbial / Cell culture
Integrated peristaltic pumps	4x for acid, base, antifoam and media addition
Heating blanket	Included
Temperature control	Included
Stirrer speed control	Included
DO control	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<sup>®</sup> essential Single Use Vessels

Working volumes	0,5, 1, 2 and 5 L
Configuration	Microbial / Cell culture
Tube interconnection	Heat sealable or sterile SU connections
Sensors	Factory calibrated SU

## eLAB<sup>®</sup> essential Multi Use Vessels

Working volumes	1, 2 and 5L
Configuration	Microbial / Cell culture
Reactor material	Stainless steel lid and borosilicate glass vessel



# Contact

Polígon Industrial Can Pruna  
Carrer Ponent, Parcela 10, nau 1, 2 i 3  
17421 Riudarenes, Spain

☎ +34 972 87 73 27

✉ sales@tecnic.eu

🌐 tecnic.eu

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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