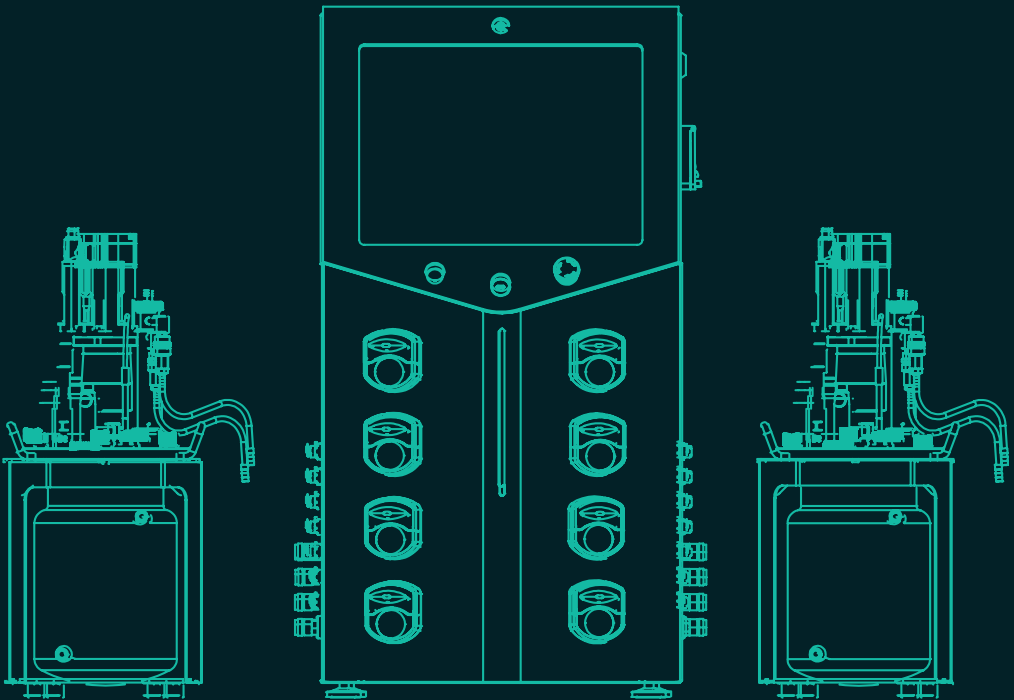


eLAB

TECNIC

Bioreactor Multi

A solution for any requirement in your laboratory



eLAB

Bioreactor Multi

Our bioreactors are designed to meet the demanding needs of the bioprocessing industry, providing superior quality and reliable performance for all your applications. With a variety of working volumes and construction materials to choose from, you can find the perfect bioreactor to fit your specific needs.

Our borosilicate glass construction ensures excellent chemical resistance and durability, while our stainless steel options offer exceptional durability and corrosion resistance. Both options provide a diameter/height ratio of 1:2.5, ensuring optimal conditions for both microbial and cell culture applications.

Built-in sensors for pH, pO_2 , temperature, and foam/level are included as standard, providing accurate and reliable monitoring of critical process parameters. Additionally, the bioreactors can accommodate additional sensors for more comprehensive process monitoring.

Our bioreactors feature customizable agitation, allowing you to choose between Rushton impellers for microbial fermentation or Pitched-Blade/Marine impellers for cell culture. This flexibility ensures that your specific application needs are met, providing the best possible conditions for your bioprocessing needs.

Choose our bioreactors for dependable and efficient bioprocessing.



Peristaltic Pumps

2 in 1 concept.

All the pumps are variable and are configured so they can also work as fixed ones.

Servo Engine

Servo engine with high accuracy in low rpm. Encoder with positioning indicator and maximum agitation precision for shear stress control.

Multiple Sensors

Standard sensors for pH and pO₂. Available optional sensors for ORP, Cell density and CO₂.



eLAB Bioreactor Multi

Some Applications

The eLAB Bioreactor Multi is a versatile tool in biotechnology field, used for producing **recombinant proteins**, **vaccines**, **monoclonal antibodies**, and **viral vectors for gene therapy**. Its capacity to cultivate cells and produce complex biologics has contributed to breakthroughs in regenerative medicine and **new age foods**.



Vaccines

The eLAB Bioreactor Multi is used to cultivate cells for the production of vaccines, including viral vectors and DNA vaccines.



Recombinant Proteins

The eLAB Bioreactor Multi is a valuable tool for the production of recombinant proteins.



Monoclonal Antibodies

Monoclonal antibodies are lab-made molecules. The eLAB Bioreactor Multi is a key tool for their production.



Stem Cells

The eLAB Bioreactor Multi is used to expand and differentiate stem cells, making it valuable for research in regenerative medicine.



Gene Therapy












The eLAB Bioreactor Multi produces viral vectors used for delivering therapeutic genes in gene therapy research.



For More
Information:
sales@tecnic.eu



Datasheet

	Volumes	For 1L, 2L, 5L
	Dimensions	W: 560 mm H: 800 mm D: 430 mm
	Material vessels	Stainless steel and Borosilicate glass
	Scalable	Up to 12 vessels in a row
	Max Rotation	Microbial: 2000 RPM Cell culture: 600 RPM
	Variable Speed	4x Pumps
	Impellers	Rushton, Pitched Blade, Marine Blade
	Temperature	Pt 100: 10 - 60 °C
	pH Sensor	Glass pre-pressurized reference system: 2-12 pH
	Dissolved Oxygen	Optical sensor: 0 - 100%
	Level/Antifoam Sensor	Very High High Low Very Low



we evolve together



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