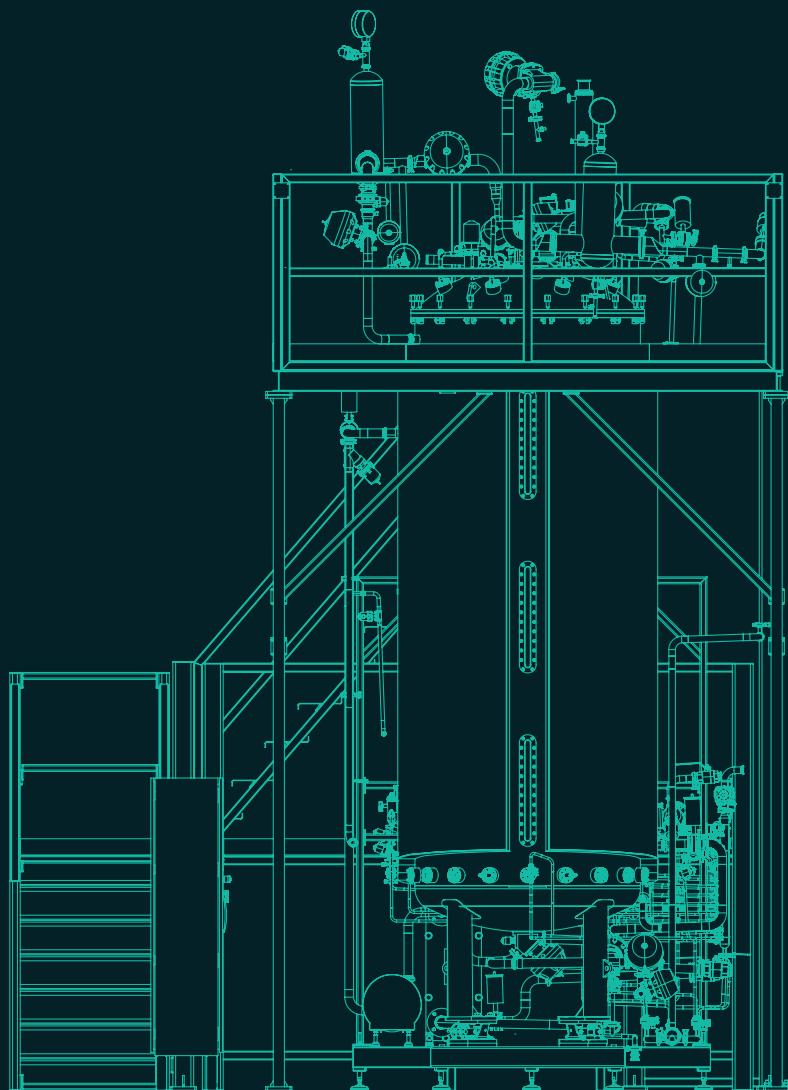


ePROD

TECNIC

Bioreactor

For a big production stages



ePROD

Bioreactor

PROD bioreactors are bioprocess production systems that are specifically designed to provide optimal growth conditions for cell culture and microbial fermentation. These bioreactors are made of high-quality 316 L stainless steel in the wetted parts, ensuring maximum durability and hygiene. Working volumes of PROD bioreactors range from 100 to 5000 L, but can be customized to suit the specific needs of the bioprocess.

To ensure optimal bioprocess control and efficiency, PROD bioreactors come equipped with advanced sensor technology, including pH, pO₂, temperature, and foam/level digital sensors as standard. Optional digital sensors for redox, conductivity, total and viable cell density, biochemical parameters and pCO₂ are also available. This technology provides real-time feedback on the bioprocess, ensuring that growth conditions are ideal for maximum efficiency.

In summary, PROD bioreactors are a top choice for bioprocess production. Made of durable 316 L stainless steel with working volumes of up to 5000 L (or customized), PROD bioreactors include advanced sensor technology to ensure optimal growth conditions for maximum bioprocess efficiency. Whether for cell culture or microbial fermentation, PROD bioreactors are the ideal solution for advanced bioprocess production.

2 in 1 Persitaltic pumps



Load Cell

Easy Acces

ePROD Bioreactor

Some Applications

The ePROD Bioreactor is a versatile tool in biotechnology, 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.



Vaccines

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



Recombinant Proteins

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



Monoclonal Antibodies

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



Stem Cells

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



Gene Therapy












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



For More
Information:
sales@tecnic.eu



Datasheet

	Volumes	For 100L to 5000L
	Dimensions	L: 4496 mm, W: 4455 mm, and H: 5283 mm
	Material vessels	Stainless steel AISI 316L
	Max Rotation	Microbial: 800 RPM Cell culture: 250 RPM
	Variable Speed	2x Persaltatic Pumps with variable speed
	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
	Auto CIP /SIP	Full Automatic



we evolve together



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