

# Your trusted partner in scalable Bioprocess Solutions

## elab Laboratory Solutions

TECNIC's suite of laboratory equipment is engineered to support the stringent requirements of modern bioprocessing, providing reliable, efficient, and high-quality solutions for laboratories worldwide.



**STR** Single Use **eLAB Essential** Up to 5 L

Compact laboratory bioreactor for cell culture and microbial fermentation. Enables real-time monitoring of key parameters such as pH, pO<sub>2</sub>, temperature, and foam levels.



**STR** **eLAB Advanced** Up to 10 L

An advanced bioreactor for the growth of cells and microbial cultures that is scalable and designed with the most advanced elements.



**TFF** **eLAB TFF** Up to 0.5 m<sup>2</sup> of surface area

High-performance automatic tangential flow filtration laboratory system for superior results, an excellent choice for research, development and small production purification.



**TFF** Single Use **eLAB TFF SU** Up to 0.5 m<sup>2</sup> of surface area

Fully automatic Single Use TFF system designed for handling the most critical purification needs to deliver outstanding results in research, development, and small-scale processes.

## ePilot Pilot Scale Solutions

Optimizing bioprocessing outcomes with innovative engineering and precise regulation.



### STR ePilot BR

Microbial / Cellular Configurations  
10 - 50 L

High-performance automatic bioreactor with cellular and microbial configurations, an excellent choice for pilot scale development and production.



### TFF ePilot TFF

Hollow Fiber / Cassette Configurations  
Up to 6.5 m<sup>2</sup> of surface area

Automatic pilot TFF system with high efficiency and versatility for bioprocessing, featuring options for concentration, diafiltration, and membrane surface adjustments.

### eBAG 3D STR



### STR Single Use ePilot STR SU

Dual Purpose  
30 / 50 L

A scalable dual-purpose bioreactor featuring precise temperature control, efficient agitation and comprehensive instrumentation, designed for 30 and 50 L single use bags.

## eProd Production Scale Solutions

Unlock the power of biotechnological production and scale up your results.



### STR eProd BR

100 to 4000 L  
Cellular / Microbial Configurations

Our production stainless steel bioreactors ensures efficient microbial and cell culture production, featuring advanced eSCADA control for precise monitoring and optimal growth conditions.



### TFF eProd TFF

Up to 65 m<sup>2</sup> of surface area  
Hollow Fiber / Cassette / Ceramic Filters

Efficient industrial filtration with advanced control, adaptable filter configurations, and compliance with GMP guidelines, ensuring optimal performance and reliability.

### eBAG 3D STR



### STR Single Use eProd STR SU

Dual Purpose  
300 / 1000 L

Engineered for microbial and cell cultures, ensures precise temperature regulation, efficient mixing, and advanced instrumentation, delivering optimal performance and highly controlled sterile processes using our single use eBAG.

## ePlus Additional Solutions

Maximise the scope of your bioprocesses with TECNIC's ePlus solutions, tailored to suit every requirement.



**ePlus CIP**  
Automated Cleaning In Place System  
100 / 200 L

A fully automatic, easy-to-use cleaning in place system. Efficiently cleans equipment with volumes up to 4000 L, ensuring high standards of hygiene.



**ePlus Buffer**  
Buffer Tank  
Up to 4000 L

Ensure precise buffer management, streamline workflows, and improve consistency monitoring and handling of buffer recipes.



**ePlus DTS**  
Heat Exchanger

Efficiently transfer heat, reduce energy consumption, and optimize temperature control for reliable performance in demanding bioprocessing applications.



**ePlus Media Preparation**  
Automated Media preparation station

The fully automated ePLUS Media Preparation system ensures precise mixing and sterilization of culture media. It is ideal for buffer and media formulation, offering time-saving benefits, precise dosage control, and traceability to ensure media quality.



**Single Use ePlus Mixer Single Use**

Tanks up to 500 L

System designed for precise control over critical process parameters, including pH, conductivity, temperature, weight, and agitation speed. Tanks range from 50 to 500 liters, compatible with TECNIC's eBAG, it ensures reliable performance, sterility, and flexibility for various bioprocessing applications.

## Bioreactor Vessels

Versatile and reliable bioreactor vessels for bioprocessing.



**Stainless Steel**  
2 / 5 L



**Borosilicate Glass**  
1 / 2 / 5 / 10 L



**Non-Jacketed**  
1 / 2 / 5 / 10 L



**Single Use**  
0.5 - 5 L

# eBag Fluid Management Solutions

Our single-use bags have been designed with storage and mixing in mind and are fully compatible with TECNIC equipment. Featuring a five-layer structure, they are made from ULDPE for fluid contact, manufactured in an ISO 7 cleanroom, and can be configured with multiple ports. They are also fully biocompatible, making them ideal for use in sensitive applications.



**eBAG 2D Storage**  
2L to 50L



**eBAG 2D TFF**  
2L to 50L



**eBAG 3D Open**  
Up to 500 L



**eBAG 3D Mixer**  
Up to 500 L



**eBAG 3D Storage**  
Up to 500 L



**eBAG 3D STR**  
Up to 1000 L

## In-house ISO 7 Cleanroom

The manufacturing process for our single-use bioprocessing products, such as the eBAG 2D, 3D and single-use vessel, strictly complies with the rigorous standards of an ISO 7 cleanroom. This specific classification guarantees a highly controlled environment, characterized by a maximum particle count of 10,000 ( $\geq 0.5 \mu\text{m}$ ) per cubic meter of air. This level of control is critical for ensuring the sterility and quality of our products, as it significantly reduces the risk of microbial and particulate contamination.



## Global reach, local support

Our global distributor network is ready to provide specialized products and support in your region. Please contact your local distributor to work with TECNIC.

[sales@tecnic.eu](mailto:sales@tecnic.eu)