eBag

Optimizing bioprocesses
with our Single Use solutions

TECNIC

eBag Advanced ready-to-use single-use bags

eBag 2D

eBag 2D Storage

- Optimized and efficient storage solution
- Boat-type ports for best precision
- Scalability: up to 50 L

eBag 2D TFF

- Integrate with TECNIC TFF systems
- Boat-type ports for best precision
- Scalability: up to 50 L

eBag 3D

eBag 3D Mixer

- Integrate with TECNIC's ePLUS Mixer SU
- Multiple port configurations
- Scalability: up to 500 L

eBag 3D STR

- Integrate with ePILOT SU and ePROD SU
- Includes agitation for cell culture / microbial config.
- Scalability: up to 1000 L

eBag 3D Open

- Large open port for media preparation
- Multiple port configurations
- Integration with ePLUS Mixer SU
- Scalability: up to 500 L

eBag 3D Storage

- Multiple port configurations
- Scalability: up to 500 L

Key Functionalities

Produced under stringent aseptic conditions and subjected to comprehensive sterilization, TECNIC's eBag ensure sterility and minimal contamination risk. With customizable features catering to specific size configurations and fittings, they seamlessly integrate into manufacturing processes.

Developed and Manufactured in TECNIC ISO7 Clean Room, the bags are built tough with high-quality materials and undergo gamma irradiation. As a result, they are ready-to-use according to the strictest pharmaceutical industry standards and are available in various sizes. They can withstand rigorous handling to ensure the safe containment of biopharmaceutical products. Perfectly designed to work with TECNIC's range of Single Use bioreactors, TFF and media mixers.

Guaranteed sterility for sensitive bioprocesses

Sterility assurance | **Modular System** | **Cost Effectiveness** | **Configurable Options** | **Scalable Volumes** | **Quality Assurance**

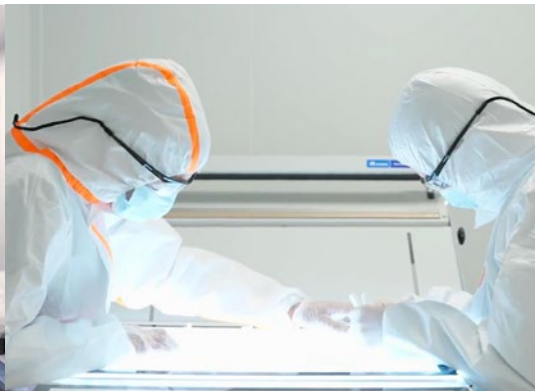
General Properties

5-layer Structure (Outer to inner layer)	LPDE 50µm / TIE 10µm / EVOH 20µm / TIE 10µm / ULPDE 230µm
Sterilization	Gamma irradiated
Working Temperature	5ºC to 40ºC
Storage Temperature	-20 to 60 ºC
Irradiated	Included. 25 kGy
Leak test	Optional

In-house ISO 7 Cleanroom

The manufacturing process for our single-use bioprocessing products strictly complies with the rigorous standards of an ISO 7 cleanroom guaranteeing a highly controlled environment, with a maximum particle count of 10,000 (≥ 0.5 µm) per cubic meter of air.

This level of control ensures the quality of our products, as it significantly reduces the risk of microbial and particulate contamination.

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Test Qualifications

Test	Requirements	Results
USP <788> Particulate Matter in Injections	Pass	Pass
USP <88> Systemic Toxicity	Pass	Pass
USP <88> Intracutaneous	Pass	Pass
USP <88> Implantation	Pass	Pass
USP <87> Cytotoxicity, Agar Diffusion	Pass	Pass
USP <87> Cytotoxicity, Elution	Pass	Pass
USP <85> Kinetic-Chromogenic LAL	0,25 EU/ml	0,006 EU/ml
USP <661.1> Physicochemical-Non Volatile	15 mg	1 mg
USP <661.1> Physicochemical-Residue on Ignition	5 mg	1 mg
USP <661.1>Physicochemical-Heavy Metals	1 ppm	1 ppm
USP ≤661.1>Physicochemical-Buffering Capacity	10 ml	1 ml
ISO 10993-4 In-Vitro Hemolysis Study	Non-haemolytic	Non-haemolytic
Irradiation Dosage	25-50 kGy	25-50 kGy
EP <3.2.2.1> Plastic Containers for Aqueous Solutions for Parenteral Infusion	Pass	Pass