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 STR
Up to 1000 L

eBAG 3D Open
Up to 500 L

eBAG 3D Mixer
Up to 500 L

eBAG 3D Storage
Up to 500 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 (≥ 0.5 µm) 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.

Optimized Production

Our range of 2D bags for straightforward storage and filtration tasks, 3D bags for complex mixing and storage.

eBag 3D Open

Designed for effortless and efficient mixing. A large open port in the upper part provides diverse options for media preparation or storage systems in various atmospheric conditions.

eBag 3D Mixer

eBAG 3D Mixer optimizes fluid dynamics for efficient mixing, safe storage and easy transportation of liquids. Compatible with TECNIC ePLUS MIxer.

eBag 3D Storage

eBAG 3D Storage will optimize storage and easy transportation of liquids. Every bag is built with high-quality materials and undergoes gamma irradiation.

eBag 2D TFF

eBAG 2D TFF is engineered to integrate flawlessly with TECNIC's TFF systems, ensuring impeccable connections throughout the filtration process.

eBag 2D Storage

eBAG 2D Storage will enhance your bioprocessing efforts with redefined functionality, style, durability and convenience.

eBag 3D STR

Designed to seamlessly integrate with our dual-purpose Single-Use bioreactor. With customizable features catering to specific size configurations and fittings.

High standards in bioprocessing

The eBAG represents not just an innovation in cell culture film technology, but also sets new benchmarks in quality and regulatory compliance. Each eBAG is manufactured under stringent **Good Manufacturing Practices (GMP)**, ensuring that every product meets the highest standards of quality and safety. We employ advanced radiation sterilization methods, effectively eliminating biological contaminants without compromising the product's integrity.

The production of eBAG takes place in inhouse **ISO 7 classified facilities**. These cleanrooms are designed to control contamination and maintain an aseptic environment, essential for the manufacturing of biotechnological products. Adhering to ISO 7 standards ensures that each eBAG is produced in a controlled environment, minimizing the risk of cross-contamination and ensuring product consistency.

Together, these quality measures and regulatory compliance reflect our commitment to excellence in manufacturing eBAG, providing our clients with reliable and safe products for their critical bioprocessing applications.

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

Enhanced Film Technology

Every one of our Single-Use products distinguishes itself by its unique five-layer structure, with each layer serving a specific function to optimize the integrity, durability, longevity and the sterility of the equipment.

Layer 1 - LPDE (50µm)
Layer 2 - TIE (10µm)
Layer 3 - EVOH (20µm)
Layer 4 - TIE (10µm)
Layer 5 - ULPDE (230µm)

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

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