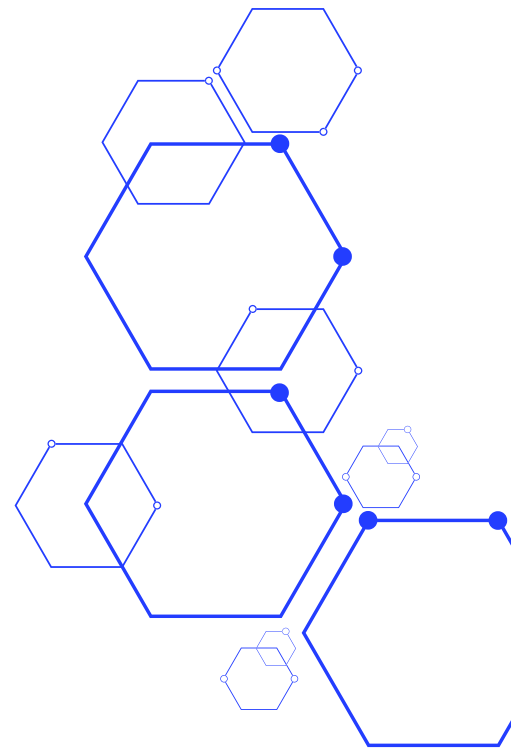


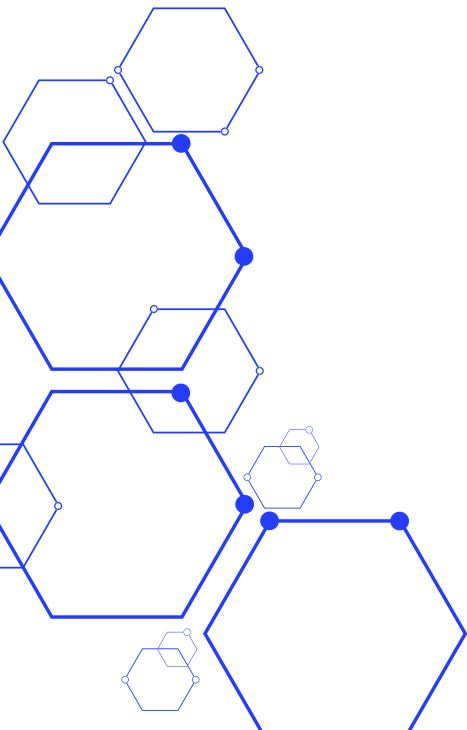


Global solutions for a growing world



TECHMI BIO LAB

GLASS FERMENTER FOR DEVELOPMENT OR LABORATORY



TECHMI BIO LAB

GLASS FERMENTER FOR DEVELOPMENT OR LABORATORY

MODEL: TECHMI BIO LAB

Academic and industrial research, process development, and pilot-scale production require a scalable and reliable industrial SIP bioreactor/fermentor system without compromise. TECHMI BIO meets these requirements with state-of-the-art technology and design. Predefined “ready-to-use” packages include all the necessary components for powerful and convenient operation, in microbial or cell culture applications.



FEATURES:

- Sterilization in situ
- Glass tank with oval bottom
- Water bath jacket for temperature control
- Mechanical stirring by servo motor, speed 50~2000 rpm
- Accuracy: ± 1 rpm
- Easy handling
- Versatile and configurable functions
- It can satisfy various fermentation purposes, such as: batch feeding, batch feeding
- It has temperature controlled by heating mantle
- The volume is 2L, 3L, 5L, 5L, 7L, 10L, temperature control and its precision can reach 0.05°C.
- The color touch screen is used to display all measured values and control parameters, which greatly facilitates user operation.
- 4 peristaltic pumps are installed in the front of the control box, which can replenish acid, alkali, antifoam and medium to the fermenter.
- The controller can control various parameters during fermentation, such as pH, DO, temperature and speed, and all data and control parameters can be transmitted to the controller or computer.
- The structure is compact and various components can be integrated into the fermentation system, and the structural design and configuration are fully consistent with conventional European fermentation.

MATERIAL: Stainless steel

Volume	2L, 3L, 5L, 5L, 7L, 10L
Load rate	30%-70%
Container material	Borosilicate glass
Gassed	Standard: one air intake
	Optional: multiple air intakes
Gas control	Standard: Rotor flowmeter (manual)
	Optional: mass flow meter (automatic)
Sterilization	In autoclave
Basic control	Temperature, rotation speed, pH, DO, antifoam, feed
Bomb peristalsis	Standard: 4 units
Stirring mode	Standard: mechanical agitation
	Optional: magnetic stirring

COMPLIANCE WITH GLOBAL REGULATIONS:

At TECHMI Group, we understand the importance of regulatory compliance in the biotechnology industry. Our fermenters are designed to comply with a wide range of international regulations, including GMP (Good Manufacturing Practices), FDA and CE guidelines, ensuring that your processes are safe and ready for regulatory approval.

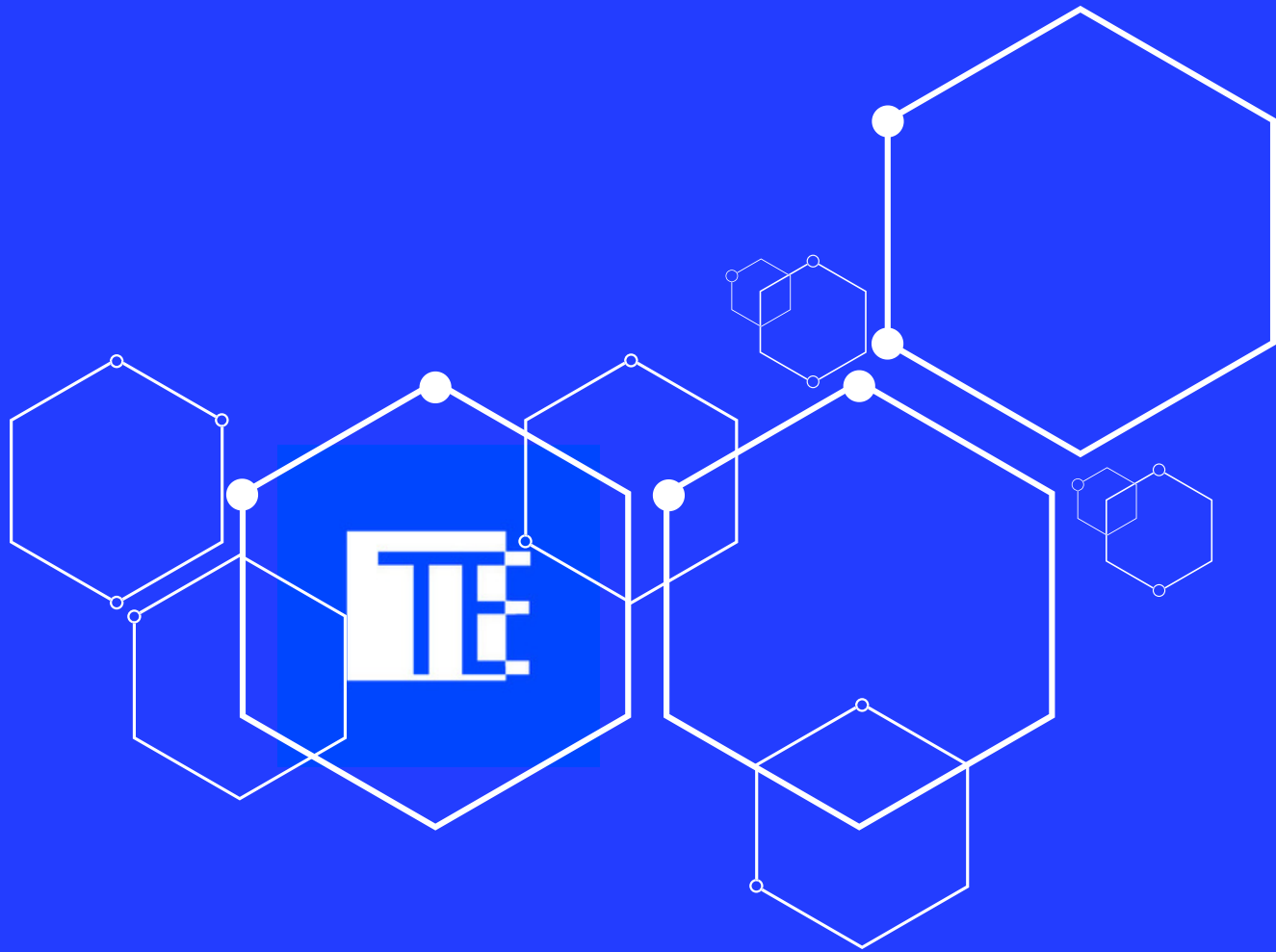
Made from high-quality materials, our fermenters not only meet the strictest hygiene and safety standards, but also offer durability and strength, ensuring long-term reliable operation.

We offer comprehensive and detailed documentation that accompanies each fermenter, facilitating audits and compliance with industry-specific regulations. This includes operating manuals, material certificates, and validation testing, all designed to simplify the regulatory process.

In addition to meeting standard regulations, our fermenters can be customized to meet specific regulatory requirements of your industry or region, ensuring your equipment is fully aligned with local regulatory requirements.

Reliable Innovation and Guaranteed Compliance With TECHMI Group's 20- to 50-liter fermenters, you not only get advanced and efficient equipment, but also the peace of mind that comes from knowing that your process is backed by technology that meets the most stringent regulations. Whether for research, development, or pilot-level scale-up, our fermenters provide you with a complete solution tailored to your needs.





EUROPE

Commercial Office

Carrer del Mas del Jutge, 57, CP
46900, Torrente, Valencia, España

info@techmigroup.com

clientes@techmigroup.com

techmigroup.com