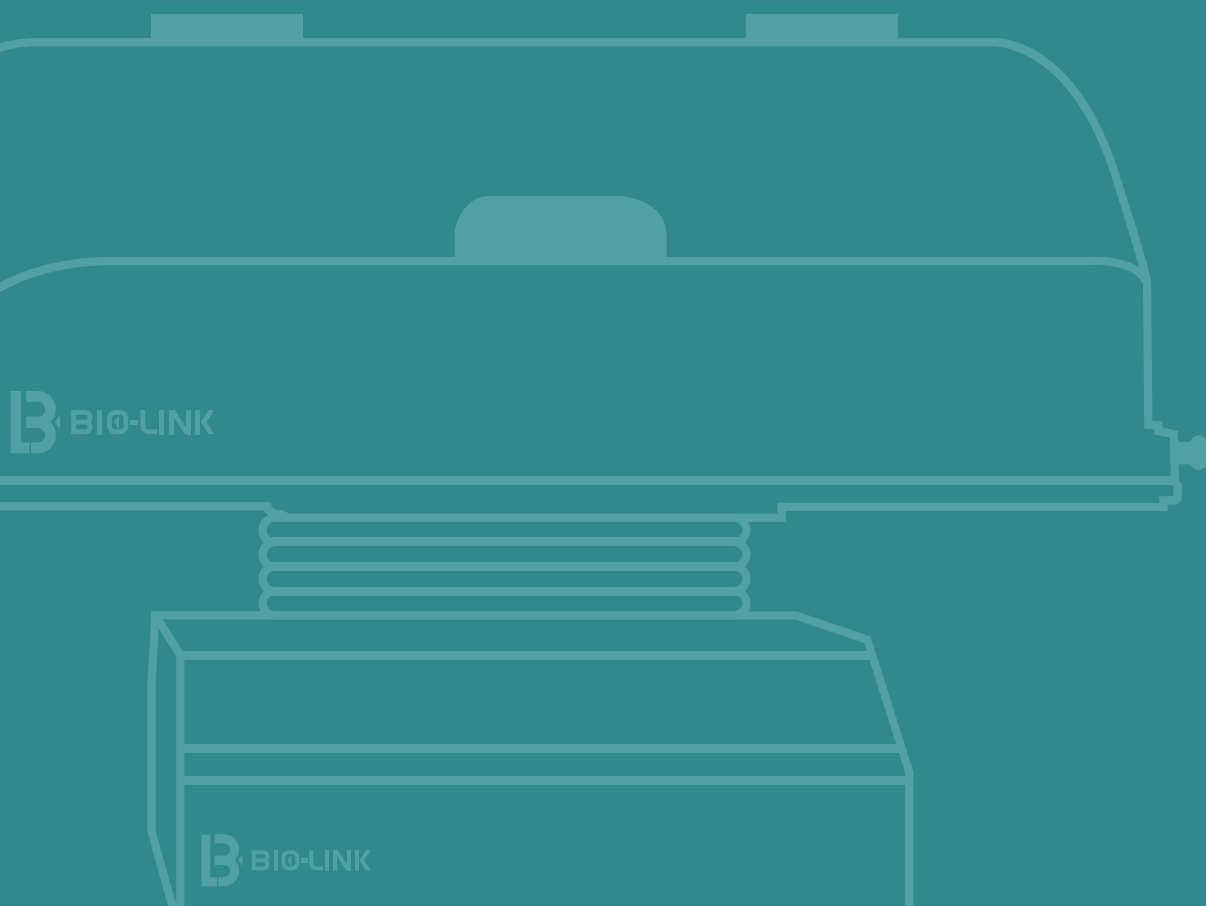




# CytoLinX™ WB Series

Single-use Wave Bioreactors



The CytoLinX™ WB single-use wave bioreactor is suitable for 0.3L to 25L, with a simple design and good mixing performance, it can be applied for cells seeding, and could be widely used in research, product development and production, also it could meet mRNA, cell therapy's user requirements.

CytoLinX™ WB consists of a rocker, a control cabinet, and a client computer. It integrates 3 x mass flow controllers (MFC), as well as pH, DO and weight control function.



Figure 1 CytoLinX™ WB single-use wave bioreactor

CytoLinX™ WB is controlled by a SIEMENS PLC for precise control and feedback to ensure stability cells expansion environment. The software is designed for ease of use, and meets the requirements of 21 CFR Part 11.



Figure 2 CytoLinX™ WB user interface

## Features of CytoLinX™ WB:

- The software interface is user-friendly and fits for 21 CFR Part 11
- Optional pH and DO modules
- Use mass flow controllers (MFC) for high-accuracy gases control
- Several types of standard consumables are available, including mixing bags, basic cell bags, pH & DO, and perfusion one
- Consumables are designed to cover cell therapy field
- Complete FAT and IQOQ documents/services are available
- Fast delivery and flexible customization capabilities

## Technical Specification of CytoLinX™ WB

Item	Description	Range
<b>Control unit</b>		
Hardware	SIEMENS PLC	
Interface	23" all-in-one display	
Compliance	Compliant with 21 CFR PART 11	
<b>Instruments</b>		
Tray	10 L, 20 L, and 50 L trays (optional)	0.3-25 L (working volume)
Agitation	Rock rate	2-40 rpm
	Rock angle	2-12°
Temperature control	Electric heating blanket	RT-40 °C
Gas flow control	Air mass flow controller × 1	Overlay, 0-2 lpm
	O <sub>2</sub> mass flow controller × 1	Overlay, 0-2 lpm
	CO <sub>2</sub> mass flow controller × 1	Overlay, 0-1 lpm
Pumps	Watson Marlow fixed speed pump × 2	60 rpm
	Watson Marlow variable speed pump × 2	0-150 rpm
Sensors	Pt100 temperature electrode × 1	0-80 °C
	pH electrode and fiber × 1 (optional)	6-8 pH
	DO electrode and fiber × 1 (optional)	0-100 %
	Load cell × 1	0.2-30 kg
	Pressure sensor × 1	0-0.3 bar

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Bio-Link Biological Applied Technologies (Shanghai) Co., Ltd. (Bio-Link) is a group of technology-driven businesses that provide products and process solutions in the life sciences industry.

The company focuses on the development and production of the key processing equipment and materials for vaccines, antibodies, cell therapies, gene therapies and other biological products. Bio-Link's portfolio of offerings cover the entire upstream and downstream bioprocess such as cell culture, single-use mixing and storage, chromatography purification, filtration and ultrafiltration, as well as process development services. Bio-Link is committed to providing customers with high-quality, innovative products and solutions and strives to build an efficient, safe and competitive biopharmaceutical supply chain eco-system.

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