

# Autoclavable glass fermenter LB-20GFS



## Overview :

Autoclavable glass fermenter LB-20GFS is mechanically driven stirred-tank bench top fermenting unit. Culture tank design aids interchangeability, reducing downtime during off-site sterilisation. Touchscreen panel allows one-spot adjustments for varied fermentation phases. Data transmission and review via USB interface ensures effective record management.

## Specifications :

Total volume	2 L
Working volume	1 L ~ 1.5 L
Culture tank aspect ratio	2:1
Stirring speed	70 rpm ~ 1200 rpm $\pm$ 1 %
Thermo-control range	5 °C ~ 65 °C $\pm$ 0.1 °C
pH control range	2.0 pH ~ 12.0 pH $\pm$ 0.05 pH
Dissolved oxygen control range	0 % ~ 150 % $\pm$ 3 %
Dissolved oxygen control precision	0.001
Feeder control	Multi-channel peristaltic pump
Data transmission	USB interface
Power	220 V ; 2 kW
Dimensions	800 × 500 × 650 mm
Weight	80 kgs

## Features :

1. Culture tank : Borosilicate glass with stainless steel lid
2. Top-impeller driven mechanical agitation
3. LCD touch panel control with memory storage
4. Height adjustable mixing oar
5. Peristaltic pump infused anti-foamer
6. Manual setting for airflow and tank pressure

## Applications :

Used in pharmaceutical laboratories, cell research laboratories for different stages of cultivation of microbial fermentation suitable for culture of microbial cells, yeast, etc. in a laboratory setup.



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