



DASEA® Regenbio mini bioreactor

● INTRODUCTION

DASEA® Regenbio mini bioreactor, designed for 3D suspension cell culture, is a reliable choice for R&D and PD scale process. The mini bioreactor improves flow field mixing performance and nutrient exchange through the suspension culture mode with ultra-low speed stirring, and is suitable for a variety of process scenarios such as suspension culture of adherent cells with microcarriers, and special cells in clumps and balls, virus infection research, cell expansion culture and fermentation.

● PRODUCT FEATURES

- User-friendly interface, easy operation.
- Constant speed / dual speed / programmable control to meet different experiment and production needs.
- Independently controlled main machine and controller. Real time control of main machine operation outside the incubator. Independently operated stations.
- 0 to 120rpm low speed design with 1rpm high precision and smooth operation to effectively improve cell proliferation rate.
- Unique insulation / heat dissipation design, stable temperature control to meet the needs of cell culture.
- Smoothly controlled speed to avoid damages to cells by shear forces during start, stop, acceleration and deceleration.
- Vessels with various sizes of 125mL / 250mL / 500mL etc, autoclavable and reusable.

● PARAMETER

DESCRIPTION	PARAMETER
Host Unit Dimensions	350mm (L) × 350mm(W) × 56mm (H)
Control Box Dimensions	180mm (L) × 130mm(W) × 85mm (H)
Maximum Reaction Volume	500mL
Maximum Reactor Capacity	4 units
Culture Bottle Volume	125mL / 250mL / 500mL (optional)
Culture Bottle Design	Built-in impeller, vented cap; high-quality glass material, reusable after autoclaving
Power Supply	DC24V@1.5A
Control Screen Size	7 inches
Operation Modes	Constant speed / Dual Speed / Programmable
Speed Control Range	0-120rpm (adjustable)
Speed Accuracy	± 1rpm



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