

CLECELL 3D BIOPRINTER NOVO

Compact 3D Bioprinter Optimized for the Output of Biomaterials



- Designed to fit the BSC cabinet
- Ensuring convenience and flexibility in various laboratory environments

Portability

- Nebulizing system
- Utilizing crosslinking methods based on pH, enzymes, and chemical (ionic) reactions

Various Cross-Linking Methods

- Uniform cell printing
- Dispenser technology ensuring uniform cell output and consistent results

User Friendly Functions

SPECIFICATIONS

3D bioprinting technology	Temperature controlled, syringe-based extrusion, Pneumatic Droplet with Microvalve Base
Printhead volume	Extruder : 3 mL~ 5mL *Droplet dispenser : 5mL
Printhead pressure range	Extruder : up to 300kPa Droplet Dispenser : up to 100kPa
Theoretical volume unit step (extrusion)	0.1 μ L
Printhead dispensed volume CV (Coefficient of Variation)	Extruder : < 10% @ 10 μ L for water Droplet Dispenser : < 10% @ 10 μ L for water
Printhead temperature range	Extruder : 10°C - 65°C Droplet dispenser : 15°C - 50°C
Maintain nozzle tip temperature	Extruder : x Droplet Dispenser : o
Nebulizer crosslinking	Nebulizer(pH, chemical, enzyme)
Software	U-Studio + Editor
Operating temperature range	15 - 30 °C
Outer dimensions (D x W x H)	350 mm x 320 mm x 350 mm
Weight	17.8 kg



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