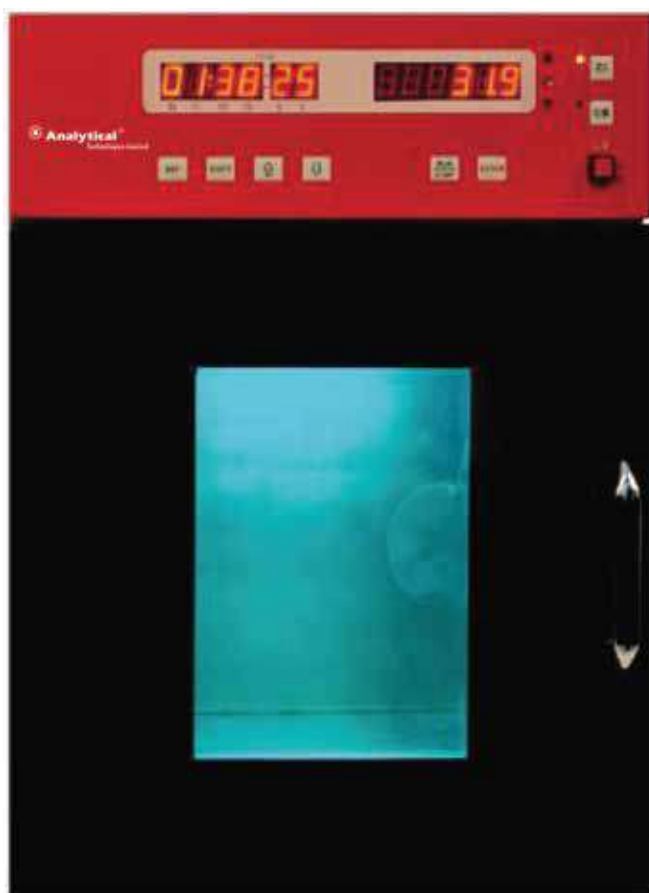


# MBI-3022

## Multifunctional Benchtop Incubator



## ►► Multifunctional Benchtop Incubator

ATL Multifunctional Benchtop Incubator is a digital personal incubator of 22.51 liters, with the optional accessories to realize multifunction, including the UV cross linking part and hybridization rotator. It has a small footprint with the light weight, low noise and the elegant appearance, which is an ideal device for personal use in the laboratory.

## ►► Applications

- Drying and staining of slides or plates
- Cell culture or microbial culture
- UV sterilization
- Nicking ethidium-bromide-stained DNA in agarose gels
- Gene mapping for creating cleavage-inhibiting thymine dimers
- Crosslinking of DNA and RNA by covalently binding nucleic acids to nylon or nitrocellulose membranes after Northern, Southern, slot or dot blotting and colony
- DNA, RNA and protein blotting techniques, cDNA library screening, nucleic acid synthesis and nucleic acid, protein hybridization experiment operation, etc.

## ►► Features

- Safe and accurate
- Stainless steel chamber sustains the high temperature up to 80 °C with fast heating rate
- The antibacterial silicone rubber gasket sealed door resists heat evaporation
- Independent over-temperature alarm system ensures safe operation
- Scratch-resistant chamber for easy clean and UV disinfection
- Easy to use
- 12 digital display of time and temperature clearly
- Intuitive control panel for fast time and temperature setting
- Door can be opened at 180 ° for sample loading and chamber cleaning easily;
- Transparent door with anti-UV glass for easy observation

## ►► Multifunctional Benchtop Incubator

### Multifunction- 3 in 1

- **Incubation**

The instrument uses 50 gravity flow circulation temperature control technology. It ensure the temperature uniformity and volatility low of 0.65 ( For some small experimental provide reliable and trouble free temperature conditions.

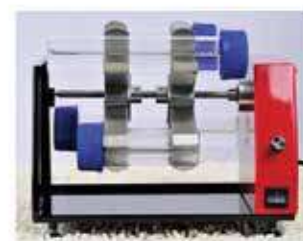
With 22.5 liters capacity, it can be placed in two standard shelves. which can hold up to 12pcs standard culture plates (128 x 85mm) or 4 flasks (2L)



Incubation shelf  
(MPI-22-FB)

- **Hybridization**

Hybridization is another function with the hybridization rotator. The Hybridization rotator can be placed inside the chamber of the incubator. The rotating speed is adjustable etween 4-20rpm. The hybridization parts can be placed up to four standard hybridization tube (40 x 200mm or 40 x 120mm). or 4 standard 50ml conical bottom tube



Hybridization rotator  
(MPI-22-FR)

- **UV Cross linker**

UV cross linker function is available with the UV crosslinking part. The part uses smart micro processing control system and the unique UV energy control system. The UV part is made by 7 UV lamps (254nm). and each lamp powers at 6W with a total power of 42W.



UV Crosslinking part  
(MPI-22-FC)

## ►► Specifications

Model	MBI-3022
Volume	22.5 Liters
Shelf capacity	hold up to 12 standard plates or 4 flasks 12 liters)
Hybridization capacity	Hold up to 4 standard hybridization tubes or 4 conical bottom bottles(50ml)
UV Crosslinking Part	Seven 245nm UV lamps. power is 6Wx7(42W)
Temp. uniformity	$\leq \pm 0.65^{\circ}\text{C}$ at $37^{\circ}\text{C}$
Temp. fluctuation	$\leq \pm 0.65^{\circ}\text{C}$ at $37^{\circ}\text{C}$
Temp. display accuracy	$0.1^{\circ}\text{C}$
Temp. control range	Room temp. $+5^{\circ}\text{C}$ - $80^{\circ}\text{C}$
Temp. set range	$0 \sim 85^{\circ}\text{C}$
Heating time	$\leq 28\text{min}$ (from $25^{\circ}\text{C}$ to $80^{\circ}\text{C}$ )
Heater power	250W
UV disinfection lamp power	6W
Max. UV crosslinking time	999.9min
Max. UV energy	999900 mJ/cm <sup>2</sup>
UV crosslinking mode	Automatically optimizes(Pre-set dose is 120 mJ/cm <sup>2</sup> )
Speed of Hybridization	$4 \sim 20\text{rpm}$
Hybridization power	$100 \sim 240\text{V}$ . 50Hz/60Hz
Dimension	400x345x463mm ( LxWxH)
Incubator cover	$100\text{V} \sim 120\text{V}$ / $220 \sim 240\text{V}$ . 50Hz/60Hz
Net weight	18 Kg

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