

TECHNICAL PARAMETERS

AC Electric Field Parameters	
Bunchy pulse voltage	Peak-peak value 0-58V(0-±29V), adjustable continuously
Bunchy pulse frequency	30KHz-3000KHz adjustable
Gate time	10-1000 μ s, 1 μ s increasing decline, adjustable continuously
DC Field Parameters	
Square wave fusion pulse voltage	5-600V adjustable(electrode distance)1.0mm electric voltage field reach 6000V/cm.
Square wave fusion pulse range	5-5000 - μ s, 1 μ s increasing decline, adjustable continuously
Fusion (square wave) pulse number	1-9 pcs
With fusion flat electrode	Polar distance 0.5mm, optional electrode in the table below
Net weight	9.22Kg
Packing size	450×370×290mm

APPLICATION AREA

- Cell fusion (the fusion process can be observed under inverted microscope)
- Nuclear transfer
- Embryo operation
- Hybridoma generation
- Plant protoplast fusion
- The chicken embryo genes into inside an egg
- Live gene/drug import

Optional Microscope Slide Electrode:

Model	1-0.5	1-1.0	1-2.0	1-3.2
Electrode distance	0.5mm	1.0mm	2mm	3.2mm
Volume	20 μ L	40 μ L	80 μ L	700 μ L
Voltage range	0-600V DC			
Maintenance	Gentle cleanser, ethanol or ethylene oxide sterilization			

HYBRIDIZATION OVEN

TECHNICAL PARAMETERS

Model	LF-I	LF-III	LF-IIIA
Temperature range	Ambient Temp+5-100°C	Ambient Temp+5-100°C	Ambient Temp+5-100°C
Temperature Accuracy	±0.5°C	±0.5°C	±0.5°C
Temperature error	±0.03°C	±0.03°C	±0.03°C
Display resolution	01°C	01°C	0.1°C
Temperature equilibrium time	<20min	<20min	<20min
Rotation speed	6.5±0.5r/min,Fixed	5-20r/min,Adjustable	6- 25r/min,Adjustable
Continuous working time	24 hour	24 hour	24 hour
Hybrid tube max. number	6 pcs	6 pcs	6 pcs
Shake base bottom	/	YES	YES
Frequency	/	0-33Hz	0-33Hz
Amplitude	/	0-1mm	0-1mm
External dimension	450*90*370mm	450*390*400mm	440*480*430mm
Internal dimensions	340*220*210mm	340*220*220mm	340*220*220mm
Accompany hybrid tube	35*240mm	35*240mm	35*240mm
Optional hybrid tube	35*150mm, 35*300mm	35*150mm, 35*300mm	35*150mm, 35*300mm
Display	/	Digital	LCD
Voltage	/	Digital	LCD
Net weight	21Kg	22Kg	23Kg

Hybridization Oven is an ideal equipment in modern laboratory using hybrid technology, can instead of plastic bags and water bath shaking table, and avoid cross bag breakage pollution danger. This machine is controlled by microchip and hot air convection technology, provides the accurate temperature control and constant temperature environment. Furnace air circulation device design is unique, fast heating, uniform. This makes the Northern and Southern hybridization experiment ideal hybrid system. At the bottom of it there is a rocking base, placed at the same time also can be applied to such as hybrid bags, and other strict incubation experiment.

FEATURES

- Microcomputer controller provides precise temperature control
- Rapid increase of temperature
- Pipe rotation
- Hybrid tube easy loading and unloading
- Internal use of anti-corrosion, mirror stainless steel materials
- Double glass door design, effectively prevent radiation
- Can shake at the bottom of the base, multi-usage
- Less chance than oscillating water pollution
- Sealing high



SCIENTZ03-II

UV FIXER

SCIENTZ03 - II UV Fixer is a kind of multi-purpose 254 nm uv radiation system, nucleic acid is mainly used for cross-linking on the membrane. Can also be used for the DNA agarose gel cutting, RecA mutation screening, pyrimidine dimer of some restriction enzyme digestion, UV sterilization eliminate PCR pollution and so on. In uv sterilization, polymer processing, etc, also has application value.

FEATURES

- Microprocessor control, to provide accurate UV dosage, LED display
- Irradiation units can through time or energy (Joules/cm²) is defined
- Draw-out type ultraviolet irradiation system, easy operation
- Ultraviolet security Windows and security door lock design, can protect the safety of use
- Maximum exposure area (88 cm²)
- Two types of operation mode, the uv energy model, time model
- To turn it off without losing information
- Localization LCD display, can touch the keyboard
- UV block Windows, a large stainless steel UV exposure trap



TECHNICAL PARAMETERS

UV Wavelength	254 nm (optional 365nm,312nm provided)
Exposure Time And Measuring Range	0-999.9 minutes,power 60W
Exposure Time And Measuring Range	0-99.99 J(joule)
UV Radiation Energy	can reach max. 5mw/cm ²
UV Source	10W light tube×5 Information lossless under turning off
Energy Sets and save	9 exposures display on liquid crystal screen in chinesization
Time Setting And Save	9 exposures Touchable keyboard
UV Exposure Manual Set Energy	UV shaded window
UV Exposure Manual Set Time	Wide stainless steel UV
External Dimension	360mm*340mm*310mm
Exposure room dimension	340mm*260mm*150mm