MaxiLab
biotechnology

PRODUCT CATALOG

MAXILAB BIOTECHNOLOGY

YOUR PARTNER FOR BIOTECHNOLOGY AND LABORATORY TECHNOLOGIES

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MS1-MaxiCanister series

Liquid Nitrogen Biological Containers for the cryogenic storage of samples in canisters

Maxilab Biotechnology develops a comprehensive line of cryogenic freezers and equipment dedicated to the transportation and storage of biological samples in Liquide Nitrogen.

The aluminum vessels of the MS1-MaxiCanister series cryogenic freezer containers for long term storage of biologic sample material in liquid nitrogen. The Liquide Nitrogen tanks in this series are equipped with stainless steel canisters.

Liquide Nitrogen containers application areas include: Life sciences, insemination centers, oocyte and sperm banks, IVF, animal insemination laboratories, pharmaceutical industry, university laboratories and biotechnology laboratories.

MS1-MaxiCanister series

Liquid Nitrogen Biological Containers for the cryogenic storage of samples in canisters

The containers of the MS1-MaxiCanister series are particularly characterized by;

- High strength aluminum body
- Light weight and resistant
- Lockable lids design
- Extended Liquide Nitrogen holding time
- 5 different models from 3.6 liters to 51 liters
- Superior thermal isolation and vacuum performance

Specification	MS1-MaxiCanister3	MS1-MaxiCanister10	MS1-MaxiCanister20	MS1-MaxiCanister35	MS1-MaxiCanister50
Liquid capacity, Liters	3,6	10,8	21,6	35,5	51
Diameter of neck, mm	50	50	50	80	80
Weight empty, kg	3.2	8	11.2	16	22.6
Weight full, kg	5.6	16	27.2	44	62.6
External diameter, mm	224	330	384	438	476
Total Height, mm	450	580	640	740	815
Daily evaporation rate, lt/day	0.10	0.10	0.11	0.22	0.32
Static holding time, day	35	105	192	163	159
Number of canisters,	6	6	6	6	6
Diameter of canisters	38mm	38mm	38mm	60mm	60mm
Height of canisters	120mm	120mm	120mm	276mm	276mm
Canister material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Max. capacity of 0.25 ml straws	1788	1788	1788	5022	5022
Max. capacity of 0.50 ml straws	792	792	792	2244	2244

MS1-MaxiRack series

Liquid Nitrogen Biological Containers for the cryogenic storage of samples in racks with cryoboxes.

Maxilab Biotechnology develops a comprehensive line of cryogenic freezers and equipment dedicated to the transportation and storage of biological samples in Liquide Nitrogen.

The aluminum vessels of the MS1-MaxiRack series cryogenic freezer containers for long term storage of biologic sample material in liquid nitrogen. The Liquide Nitrogen tanks in this series are equipped with stainless steel racks and plastic(numbered) cryoboxes.

Liquide Nitrogen containers application areas include: Life sciences, insemination centers, oocyte and sperm banks, IVF, animal insemination laboratories, pharmaceutical industry, university laboratories and biotechnology laboratories.

MS1-MaxiRack series

Liquid Nitrogen Biological Containers for the cryogenic storage of samples in racks with cryoboxes.

The containers of the MS1-MaxiRack series are particularly characterized by:

- High strength aluminum body
- Light weight and resistant
- Lockable lids design
- Extended Liquide Nitrogen holding time
- Superior thermal isolation and vacuum performance

Spesification	MS1-MaxiRack35	MS1-MaxiRack50
Liquid capacity, Liters	35,5	50,5
Diameter of neck, mm	125	125
Weight empty, kg	14.6	23.2
Weight full, kg	42.6	63.2
External diameter, mm	438	476
Total Height, mm	740	815
Daily evaporation rate, lt/days	0,32	0,38
Static holding time, days	110	131
Number of rack	6	6
Number of levels per rack	4	6
Plastic cryobox format	5X5	5X5
Number of cryo-vials 2ml	600	900
Material of Rack	Stainless steel	Stainless steel
Material of Cryobox	Plastic and numbered	Plastic and numbered

MS1-MaxiTrans series

Liquid Nitrogen Biological Container for for the storage and distribution of liquid nitrogen

The aluminum vessels of the MS1-MaxiTrans series cryogenic freezer containers for long term storage and distribution for liquid nitrogen.

Liquide Nitrogen containers application areas include: Life sciences, insemination centers, oocyte and sperm banks, IVF, animal insemination laboratories, pharmaceutical industry, university laboratories and biotechnology laboratories.

The containers of the MS1-MaxiTrans series are particularly characterized by:

- High strength aluminum body
- Light weight and resistant
- Lockable lid design
- Extended Liquide Nitrogen holding time
- 4 different models from 10.8 liters to 51 liters
- Superior thermal isolation and vacuum performance
- Liquide withdrawal device for Liquide Nitrogen distribution (optional)

MS1-MaxiFoot

Liquide withdrawal device for Liquide Nitrogen distribution

Foot Pump for Liquide Nitrogen distribution, MS1-MaxiPump
Liquide withdrawal device includes 1,5mt flexible LN2 transfer hose
Device suitable for MS1-MaxiTrans20, MS1-MaxiTrans35 and MS1-MaxiTrans50 models.

Spesification	MS1-MaxiTrans10	MS1-MaxiTrans20	MS1-MaxiTrans35	MS1-MaxiTrans50
Liquid capacity, Liters	10,8	21,6	35,8	51
Diameter of neck, mm	50	50	50	50
Weight empty, kg	8	11.2	14.6	20.7
Weight full, kg	16	27.2	42.6	60.7
External diameter, mm	330	384	438	476
Total Height, mm	580	640	740	815
Daily evaporation rate, lt/days	0.10	0.11	0.11	0.21
Static holding time, days	105	192	310	248

MS1-MaxiCryo series

Low pressure Liquide Nitrogen Cylinders

The stainless steel of the MS1-MaxiCryo series cryogenic Liquide Nitogen Cylinder containers designed for long term storage and distribution for liquid nitrogen.

The MS1-MaxiCryo series is the latest innovation in high performance cryogenic liquid nitrogen storage for the laboatory with units available from 55 to 550 liters capacity.

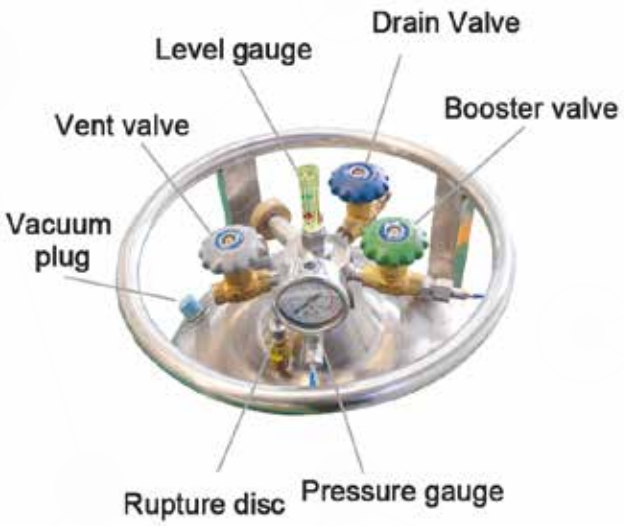
Stainless steel construction provides the durability to safely withstand the harshest working environments while offering lower evaporative losses.

All MS1-MaxiCryo series Liquide Nitrogen cylinders are equiped with a safety dispensing head incorporating fill, vent and dispense valves, safety reliefs, pressure gauge and an integral pressure build vapouriser with automatic pressure regulation. Additionally, all units are equipped with an level gauge.

For mobility, all MS1-MaxiCryo series products are fitted with heavy-duty castor wheels.

The Low pressure Liquide Nitrogen Cylinders of the MS1-MaxiCryo series products are particularly characterized by:

- **Automatic pressure building system**
- **Stainless Steel Construction**
- **Heavy Duty Castors**
- **Extended Liquide Nitrogen holding time**
- **7 different models from 55 liters to 550 liters**
- **Superior thermal isolation and vacuum performance**



Specification	MS1-MaxiCryo55	MS1-MaxiCryo110	MS1-MaxiCryo185	MS1-MaxiCryo275	MS1-MaxiCryo330	MS1-MaxiCryo440	MS1-MaxiCryo550
Gross capacity, liters	55	110	185	275	330	440	550
Net capacity, liters	50	100	175	250	300	400	500
Weight empty, kg	45	78	100	128	150	240	280
Work pressure, maximum	0.1Mpa	0.1Mpa	0.1Mpa	0.1Mpa	0.1Mpa	0.1Mpa	0.1Mpa
Evaporation rate (%/day)	≤2.2	≤1.4	≤1.2	≤1.1	≤1.1	≤1.1	≤1.0
Liquide withdrawal rate (Lt/min)	≥4	≥6	≥8	≥10	≥10	≥12	≥12
Weight filled, kg	85	158	240	328	390	560	680
Height, mm	1180	1300	1370	1470	1490	1540	1600
Diameter, mm	455	606	706	756	806	908	1008
Castors	4	4	4	4	4	4	4
Auto. pressure building	Yes	Yes	Yes	Yes	Yes	Yes	Yes
İncluding safety valve	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pressure gauge	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Approval	GB/T16774-2012	GB/T16774-2012	GB/T16774-2012	GB/T16774-2012	GB/T16774-2012	GB/T16774-2012	GB/T16774-2012

MS2-MaxiFlake60

Laboratory Automatic Flake Ice Maker, Capacity: 60kg/day

Laboratory Automatic Flake Ice Maker is compact in size, made of highly durable material with energy efficient features. Increased efficiency gives quick production of ice flakes with ice making capacity 60 kg/day. Self contained storage bin eliminates the need of a separate storage unit.

Used in Pharmaceutical, Biochemical and biological studies, Biotechnology, Medical laboratories, Research laboratories and moleculer biology laboratories.

- Produces granular shape ice flakes,
- Full automatic running and easy to use,
- Indicator system to indicate ice and water level,
- High efficiency CFC free compressor, economical and low energy consumption,
- Air cooled condenser,
- High quality stainless steel construction,
- Overload protection, low noise level,
- Ergonomically designed ice storage bin door,
- Product includes ice scoop, tap water hose and waste water hose.

Spesifications	Model: MS2-MaxiFlake60
Flake ice production capacity	60kg/day
Flake ice storage capacity	15kg
Dimension (W x D x H)	398 x 542 x 700mm
Weight	40kg
Refrigerant gas	R290
Electrical voltage	220V/ 50Hz

MS3-MaxiShake60 / Shaking incubator
MS3-MaxiShake60R / Refrigerated Shaking incubator

MS3-MaxiShake60 and MS3-MaxiShake60R shaker-incubator is combining incubation and shaking function. MS3-MaxiShake60R model has heating and cooling function.

Shaking incubator application areas include - microbial and cell culture cultivation, protein expression, solubility studies, general mixing, as well as other various applications in the fields of biology, biotechnology, moleculer biology and chemistry.

PID control speed technology

Compact design, good temperature uniformity, low noise.

Micro-processor controls temperature and shaking speed. Built in timing function

Equipped with cover switch. When the cover is open; air circulation, heating/cooling(for MS3-MaxiShake60R) and shaking will automatically stop. No temperature overshoot problem

Unique speed control circuit to ensure shaker smoothly start to avoid liquid spilling.

Circulation fan speed can be adjusted to avoid high-speed of the circulation fan making the sample volatilize.

Independent temperature alarm system. Heating is cut off automatically when temperature is over the limited value.

Sounds alarms after program finishes.

Brushless DC motor, long life and maintenance-free.

MS3-MaxiShake60R

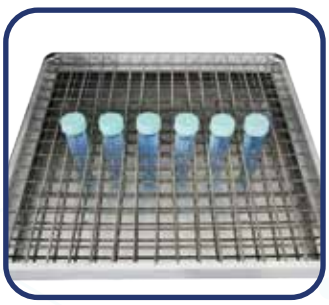
MS3-MaxiShake60

Optional Platforms

Platform with clamps
P250-6

Universal platform
with adjustable bars
MUP-12

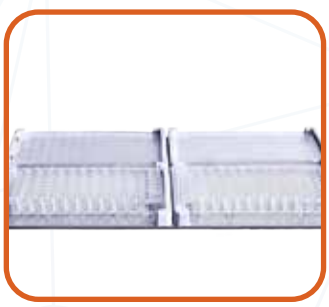
Platform with clamps
MP100-12



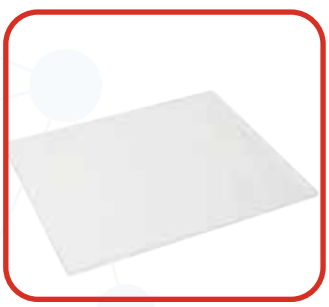
Universal platform
with springs
MP-SPR

Flat platform with
Non-slip rubber mat
MP-RM-4

Double deck flat platform
with non - slip rubber mat
MP-RM-4D



Microplate holder
platform
MMP-4M



Sticky pad
MSP-STC used in the
platform MP-RM-4 or
MP-RM-4D

Specification	MS3-MaxiShake60	MS3-MaxiShake60R
Shaker Speed Range	50-300 rpm	50-300 rpm
Shaking Method	Orbital shaking	Orbital shaking
Shaking Orbit	20mm	20mm
Temperature Control Range	R.T. +5°C - 60°C	+4°C - 60°C (R.T. at 25°C)
Temperature Stability at 37°C	± 0,3°C	± 0,3°C
Temperature Display Accuracy	0,1°C	0,1°C
Digital Timer Control Range	1min-99h59min	1min-99h59min
Capacities	6 x 250ml erlen flask 12 x 100ml erlen flask 4 x microplate	6 x 250ml erlen flask 12 x 100ml erlen flask 4 x microplate
Voltage	AC 220-230V, 50/60Hz	AC 220-230V, 50/60Hz
Power	400W	600W
Fuse	250V, 1A/ 5A , Ø5x20	250V, 1A/ 5A , Ø5x20
Dimentions, WxDxH	360x435x320 mm	360x435x320 mm
Net weight	18,7 kgs	25,8 kgs

MS3-MaxiThermo100 / Thermo Shaker incubator
MS3-MaxiThermo100R / Thermo Shaker incubator with cooling

Thermo shaker incubator has fast mixing speed. Combined with intelligent operation, it can not only mix various tubes, PCR plates, deep-well plates, micro plates and other laboratory supplies, but also equip the function of vortexing and heating (cooling) all kinds of tubes to meet different needs of different users.

Perfect Radius and excellent 2 dimensional blend technology with adjustable mixing speed.

Programmable. Efficient shaking and temperature control.

Microprocessor and good linearity of temperature control. Shaking speed is accurate with small fluctuations.

Digital Timing function. Time range is from 0 to 100 hours. Non-Stop operation time to run contiously is also available.

Various blocks to exchange, conventient for replacement.

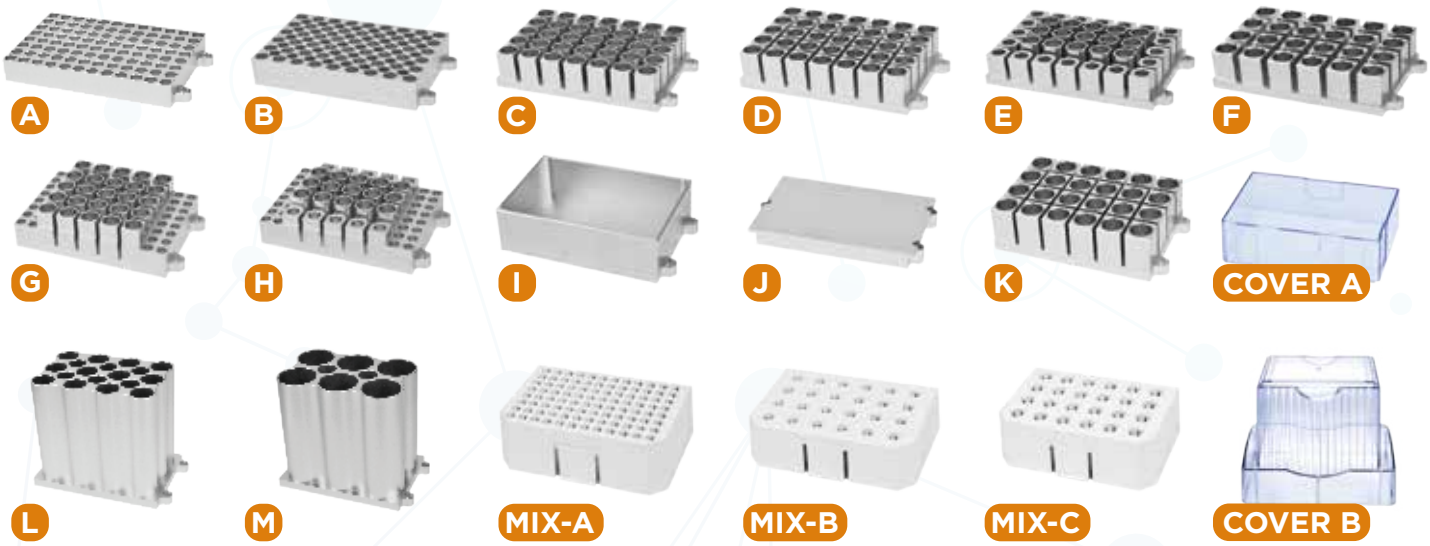
Built in temperature calibration function and short mixing function.

DC brushless mortor drive, long life and free of maintenance.

Power recovery function. After power restored instrument can be set to automatically restore the original run. (MS3-MaxiThermo100R)

Specification	MS3-MaxiThermo100	MS3-MaxiThermo100R
Shaker Speed Range	300-2000 rpm	300-1500 rpm
Shaking orbit	3mm (horizontal)	3mm (horizontal)
Temperature Control Range	R.T. +5°C - 100°C	0°C - 100°C
Temperature Max. decrease	-	R.T. decreases 20°C
Temp. Setting Range	+5°C -100°C	0°C -100°C
Digital Timer Control Range	1min-99h59min or continuous	1min-99h59min or continuous
Temperature Stability	± 0,3°C	± 0,3°C
Block temp. uniformity	± 0,3°C	± 0,3°C
Temperature Display Accuracy	0,1°C	0,1°C
Heating Speed	15min (20°C to 100°C)	15min (20°C to 100°C)
Cooling Time	-	30min (R.T. decreases 20°C)
Cooling Speed	-	7°C/min. (100°C drop to20°C)
Block capacity	1 Standart block	1 Standart block
Voltage	AC 220-230V, 50/60Hz	AC 220-230V, 50/60Hz
Power	200W	200W
Fuse	250V, 3A , Ø5x20	250V, 3A , Ø5x20
Dimentions, WxDxH	196x270x170 mm	196x270x170 mm
Net weight	8,2 kgs	8,8 kgs

Optional Accesories, Blocks



Accesories, blocks parameters

Code	Specification	Diameter of hole	Hole buttom shape	Block dimentions
A	0,2ml tubes x 96	6,7mm	Cone bottom	107x71,5x20mm
B	0,5ml tubes x 54	8 mm	Cone bottom	107x71,5x25mm
C	1,5ml tubes x 35	10,8 mm	Cone bottom	107x71,5x32mm
D	2ml tubes x 35	10,8 mm	Round bottom	107x71,5x32mm
E	0,5ml tubes x 20 + 1,5ml tubes x 15	8 mm/ 10,8 mm	Cone bottom	107x71,5x32mm
F	12mm < Diam. tubes x 24	12mm	Flat bottom	107x71,5x32mm
G	0,2ml tubes x 32 + 1,5ml tubes x 25	6,1 mm/ 10,8 mm	Cone bottom	107x71,5x32mm
H	0,2ml tubes x 32 + 0,5ml tubes x 10 + 1,5ml tubes x 15	6,1 mm/ 8 mm/ 10,8 mm	Cone bottom	107x71,5x32mm
I	Water Bath	103 x 67 x 30mm	Flat bottom	107x71,5x32mm
J	Flat bottom plastes	Top size 69 x 107 x 12mm	Flat plate block	107x71,5x15mm
K	5ml tubes x 24	13,5 mm	Flat bottom	107x71,5x32mm
L	15ml tubes x 12	16,9 mm	Flat bottom	107x71,5x100mm
M	50ml tubes x 6	29,5 mm	Flat bottom	107x71,5x100mm
COVER-A	Suit for block A-I and J	-	-	-
COVER-B	Suit for block J,K,L,M	-	-	-
MIX-A	96 x 0.2ml Tube Stand	-	-	-
MIX-B	24 x 0.5ml Tube Stand	-	-	-
MIX-C	24 x 1.5/2.0ml Tube Stand	-	-	-

K/L/M are not standart blocks, Max speed is 600rpm. MIX-A/B/C are tubes stands.

MS3-MaxiDry25
Dry Bath incubator, 1 block

MS3-MaxiDry25D
Dry Bath incubator, 2 block

MS3-MaxiDry25DX
Dry Bath incubator, 2 block and 2 independent controller

MS3-MaxiDry25Q
Dry Bath incubator, 4 block

Dry Bath Incubator with high precision of temperature control. It is widely used in the cultivation, preservation and reaction of various samples. Its applications of industry include pharmaceutical, moleculer biology, chemical, food safety, environment, quality inspection, etc.

Fast heating speed, uniform heating, accurate temperature control, high stability, low energy consumption and no noise.

Built in temperature deviation calibration function, automatic fault detection and buzzer alarm function.

Built in over temperature protection device, safe and reliable, enhance the service life of the device.

Product designed compact and tight, occupied little space, free and easy.

Continous operation is optional. Various blocks for convenient replacement, easy for cleaning and disinfection.

MS3-MaxiDry25DX can achieve independent heating and incubating, unique two for one design, meet more lab requirements

MS3-MaxiDry25

MS3-MaxiDry25D

MS3-MaxiDry25DX

MS3-MaxiDry25Q

Specification	MS3-MaxiDry25	MS3-MaxiDry25D	MS3-MaxiDry25DX	MS3-MaxiDry25Q
Temperature Control Range	R.T. +5°C - 150°C	R.T. +5°C - 150°C	R.T. +5°C - 150°C	R.T. +5°C - 120°C
Temp. Setting Range	+5°C - 150°C	+5°C - 150°C	+5°C - 150°C	+5°C - 120°C
Digital Timer Control Range	1min-99h59min	1min-99h59min	1min-99h59min	1min-99h59min
Temperature Stability at 40-100°C	± 0,5°C	± 0,5°C	± 0,5°C	± 0,5°C
Temperature Stability up to 100°C	± 1°C	± 1°C	± 1°C	± 1°C
Temp. Block uniformity at 40°C	± 0,3°C	± 0,3°C	± 0,3°C	± 0,3°C
Temp. Block uniformity up to 100°C	± 0,5°C	± 0,5°C	± 0,5°C	± 0,5°C
Temperature Display Accuracy	0,1°C	0,1°C	0,1°C	0,1°C
Heating Speed	30min (20°C to 150°C)	30min (20°C to 150°C)	30min (20°C to 150°C)	30min (20°C to 120°C)
Block capacity	1 Standart block	2 Standart block	2 Standart block induvidually control	4 Standart block
Voltage	AC 220-230V, 50/60Hz	AC 220-230V, 50/60Hz	AC 220-230V, 50/60Hz	AC 220-230V, 50/60Hz
Power	200W	400W	400W	600W
Fuse	250V, 2A/ 3A , Ø5x20	250V, 3A/ 6A , Ø5x20	250V, 3A/ 6A , Ø5x20	250V, 5A/ 10A , Ø5x20
Dimentions, WxDxH	200x230x95 mm	220x260x95 mm	220x260x95 mm	220x360x95 mm
Net weight	2,6 kgs	3,3 kgs	3,3 kgs	4,7 kgs

MS3-MaxiDry25

MS3-MaxiDry25D

MS3-MaxiDry25DX

MS3-MaxiDry25Q

Accesories, blocks parameters

Code	Specification	Diameter of hole	Hole buttom shape	Block dimentions
DB-01	6mm x 42	6,5mm	Round bottom	96,5x76,5x50mm
DB-02	7mm x 42	7,5mm	Round bottom	96,5x76,5x50mm
DB-03	10mm x 20	10,5mm	Round bottom	96,5x76,5x50mm
DB-04	12mm x 20	12,5mm	Round bottom	96,5x76,5x50mm
DB-05	13mm x 42	13,5mm	Round bottom	96,5x76,5x50mm
DB-06	15mm x 12 (7ml centrifuge tube)	15,5mm	Round bottom	96,5x76,5x50mm
DB-07	16mm x 12 (10/15ml centrifuge tube)	16,5mm	Round bottom	96,5x76,5x50mm
DB-08	19mm x 12	19,5mm	Round bottom	96,5x76,5x50mm
DB-09	20mm x 6	20,5mm	Round bottom	96,5x76,5x50mm
DB-10	26mm x 6	26,5mm	Round bottom	96,5x76,5x50mm
DB-11	28mm x 4 (50ml centrifuge tube)	28,5mm	Flat bottom	96,5x76,5x50mm
DB-12	40mm x 2	40,5mm	Round bottom	96,5x76,5x50mm
DB-13	0,5ml tube x 42	8mm	Cone bottom	96,5x76,5x50mm
DB-14	1,5ml tubex 24	10,8mm	Cone bottom	96,5x76,5x50mm
DB-15	2ml tube x 24	10,8mm	Round bottom	96,5x76,5x50mm
DB-16	0,2ml tube x 48	6,1mm	Cone bottom	96,5x76,5x50mm
DB-17	0,2ml tube x 96	6,7mm	Cone bottom	96,5x153,5x33,5mm
DB-18	Flat bottom plates	Top size 76x116x4mm	Flat plate block	96,5x153,5x22,5mm

Optional Accesories, Blocks

DB17/DB18 is unavailable for MS3-MaxiDry25 and MS3-MaxiDry25DX.

MS3-MaxiDry100C

Dry Bath incubator with cooling

Dry Bath Incubator with high precision of temperature control. It is widely used in the cultivation, preservation and reaction of various samples. Its applications of industry include pharmaceutical, moleculer biology, chemical, food safety, environment, quality inspection, etc.

Fast heating and cooling speed, uniform heating and cooling, accurate temperature control, high stability, low energy consumption and no noise.

Built in temperature deviation calibration function, automatic fault detection and buzzer alarm function.

Built in over temperature protection device, safe and reliable, enhance the service life of the device.

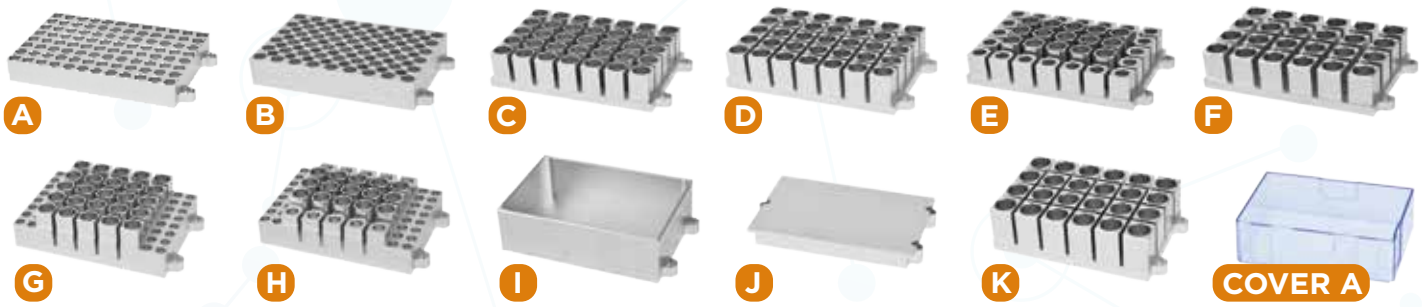
Product designed compact and tight, occupied little space, free and easy.

Continous operation is optional. Various blocks for convenient replacement, easy for cleaning and disinfection.

Programmable function. It can also set continous operation by uncertain time.

Specification	MS3-MaxiDry100C
Temperature Control Range	-10°C / 100°C
Temperature Max. decrease	R.T. decreases 30°C
Temp. Setting Range	-10°C /100°C
Digital Timer Control Range	1min-99h59min or continuous
Temperature Stability at 100°C	± 0,5°C
Temperature Stability at 40°C	± 0,3°C
Block temp. uniformity	± 0,3°C
Temperature Display Accuracy	0,1°C
Heating Speed	15min (20°C to 100°C)
Cooling Speed	30min (R.T. decreases 30°C) R.T.at 26°C
Block capacity	1 Standart block
Voltage	AC 220-230V, 50/60Hz
Power	150W
Fuse	250V, 3A , Ø5x20
Dimentions, WxDxH	196x270x170 mm
Net weight	3,5 kgs

Optional Accesories, Blocks



Accesories, blocks parameters

Code	Specification	Diameter of hole	Hole buttom shape	Block dimentions
A	0,2ml tubes x 96	6,7mm	Cone bottom	107x71,5x20mm
B	0,5ml tubes x 54	8 mm	Cone bottom	107x71,5x25mm
C	1,5ml tubes x 35	10,8 mm	Cone bottom	107x71,5x32mm
D	2ml tubes x 35	10,8 mm	Round bottom	107x71,5x32mm
E	0,5ml tubes x 20 + 1,5ml tubes x 15	8 mm/ 10,8 mm	Cone bottom	107x71,5x32mm
F	12mm < Diam. tubes x 24	12mm	Flat bottom	107x71,5x32mm
G	0,2ml tubes x 32 + 1,5ml tubes x 25	6,1 mm/ 10,8 mm	Cone bottom	107x71,5x32mm
H	0,2ml tubes x 32 + 0,5ml tubes x 10 + 1,5ml tubes x 15	6,1 mm/ 8 mm/ 10,8 mm	Cone bottom	107x71,5x32mm
I	Water Bath	103 x 67 x 30mm	Flat bottom	107x71,5x32mm
J	Flat bottom plastes	Top size 69 x 107 x 12mm	Flat plate block	107x71,5x15mm
K	5ml tubes x 24	13,5 mm	Flat bottom	107x71,5x32mm
L	15ml tubes x 12	16,9 mm	Flat bottom	107x71,5x100mm
M	50ml tubes x 6	29,5 mm	Flat bottom	107x71,5x100mm
COVER-A	Suit for block A-I and J	-	-	-
COVER-B	Suit for block J,K,L,M	-	-	-

Remark: K/L/M are not standart block.

MS3-MaxiPI70

Microplate Incubator

Micro-plate Incubator is a well-designed processing techniques incubator which well combined with PID controlling. It is mainly used for solution incubation of ELISA plate (96-well/384-well), cell culture plate (24-well/48-well/96well) at proper temperature.

LCD display. Setting temperature and actual temperature simultaneously displayed. Diminishing time displayed.

Friendly human-machine operation interface. Streamline shape, pretty and elegant. Convenient for cleaning.

Uniformly upper & down heating for samples in micro plates. The experiment effect is exact correspondence of the setting actual temperature.

Microprocessor controls temperature and time, good temperature control linear, amall fluctuations.
2/4 standard ELISA plates and microplates can be placed and sound alarm signal after the program finished.

Specification	MS3-MaxiPI70
Temp. Control Range	R.T. +5°C - 70°C
Temp. Setting Range	5°C - 70°C
Temp. stability@37°C	±0.2°C
Platform Temp. Uniformity	±0.5°C
Temp. Display Accuracy	0.1°C
Heating Speed	<25min (20°C to 70°C)
Time Range	1min-99h59min
Sample Capacity	4 Pieces of Plates (Height <40mm)
Voltage	AC 220-230V, 50/60Hz
Power	250W
Fuse	250V, 3A/5A, ϕ5x20
Dimension	W.345 x D.310 x H.178mm
Net Weight	4.9 kgs

MS3-MaxiPI70S

Microplate Shaker incubator

Microplate Shaker incubator adopts micro-processing techniques combined with PID control, low profile and nice exterior, low noise and easy handling. It is mainly used in mixing and incubating samples in micro-plates, cell culture plates and other standard plates at proper temperature.

LCD displays the setting and actual temperature, time and shaking speed simultaneously.

Simple touch operation interface, streamlined fuselage, pretty appearance and convenient for cleaning.

Both cover and bottom two-sides heating makes sample in each plate hole be heated uniformly.

Micro-processor controls temperature and shaking speed. Good linearity of temperature control. Precise control of shaking speed.

Configure 4 plates for MS3-MaxiPI70S. Beep alarm when operation ends.

DC brushless motor drive, long life and free of maintenance

Specification	MS3-MaxiPI70S
Speed Range	200-1200rpm
Shaking Orbit	2mm (horizontal)
Temp. Control Range	R.T. +5°C - 70°C
Temp. Setting Range	5°C - 70°C
Temp. Stability @ 37°C	±0.2°C
Platform Temp. Uniformity	±0.5°C
Temp. Display Accuracy	0.1°C
Heating Speed Range	<25min (20°C to 70°C)
Time Range	1min-99h59min or short mix
Sample Capacity	4 Pieces of Plates (height <40mm)
Voltage	AC 220V / AC 110v, 50/60Hz
Power	250W
Fuse	250V, 3A/5A, ϕ50/60Hz
Dimension	W.345 x D.310 x H.178mm
Net Weight	10.5kgs

MS3-MaxiSpin8

Mini Spin Centrifuge

Mini Spin Centrifuge is perfect designed with novel and unique appearance.

The instrument equipped with combined rotor and several types of tube work for 1.5ml/ 2.0ml / 0.5ml / 0.2ml tubes, 0.2ml x 8 PCR tube strips at the one cycle.

Mini spin centrifuge is designed user-friendly. Open/close the cover will automatically start/stop the centrifuge. Instrument built-in digital timing function.

Specification	MS3-MaxiSpin8
Speed range	6000 rpm
RCF	Approx. 2300 xg
Rotor capacity	8 x 1.5/2ml centrifuge tubes 8 x 0,5ml tubes 8 x 0,2ml tubes 2 x 8 x 0.2ml PCR strips
Digital timer set range	1-9999s or touch operation
Working noise	Maximum 45dB
Voltage	AC 220-230V, 50/60Hz
Power	45W
Fuse	250V, 1A , Ø5x20
Dimentions, WxDxH	156x176x121 mm
Net weight	1.5 kgs

MS3-MaxiPlate2 Microplate Centrifuge

Microplate Centrifuge is specially designed for the 96-hole microplates. It can quickly spin down droplets and condensation in the microplate.

Microplate centrifuge instrument have suitable for skirted, semi-skirted, non-skirted and all standard PCR plates.

The instrument have strong centrifugal power. Accelerate to 2500 rpm in a short time and from top speed to stop time around 10 seconds.

Smart size, compact operation. The cover can be fully opened to 95°, convenient to put and fetch the microplates.

Spesification	MS3-MaxiPlate2
Speed range	2500 rpm
RCF	627 xg
Sample capacity	2 x PCR plates
Rotor	Fixed vertically
Digital timer set range	1-99s or touch operation
Voltage	DC 24V power adapter (AC 100V-230V, 50/60Hz)
Power	40W
Dimentions, WxDxH	190x219x186 mm
Net weight	2.7 kgs

MS3-MaxiCen12

Mini High Speed Micro Centrifuge

MS3-MaxiCen12 Mini High Speed Micro Centrifuge has compact appearance design with high rotor speed and low noise. With variable frequency motor, MS3-MaxiCen12 has excellent acceleration to achieve target speed / stop to save time.

Compact and small size, save space

Variable frequency motor for excellent acceleration. High speed with low noise

To achieve max. Speed 15000rpm(Max. RCF 15000xg) or stop from max. Speed, it costs about 15s.

Highlight LCD displays speed and timing.

Rotor is made of aluminium alloy, chemical attack resistant, resist dry heat sterilization many times

"Short" key makes "touch to operate" easy and convenient.

Excellent fluid air exchange technology. The unique three air flues design utmostly lower the temperature rising. Protect samples sensitive to temperature.

Self-locking function, cover can not be open while operating. Press the key to open the cover after operation. Safe and reliable.

Specification	MS3-MaxiCen12
Speed range	100-15.000 rpm
RCF	15.000 xg
Rotor capacity	12 x 1.5/2ml centrifuge tubes
Digital timer set range	20sec-99min
Acceleration to Max. Speed	Around 15sec
Deceleration to Stop	Around 15sec
Drive motor	Variable frequency motor
Safety	Self-lock Over-speed, Over-temperature Status diagnosis system
Other Functions	Speed/RCF switch, Touch operation, Operation status display, Alert
Voltage	AC 220-230V, 50/60Hz
Power	105W
Fuse	250V, 5A/10A , Ø5x20
Dimentions, WxDxH	220x240x145 mm
Net weight	5.1 kgs

MS3-MaxiPCR32

Mini Gradient Thermal Cycler, PCR instrument

Gradient PCR instrument is a gene amplification instrument with gradient PCR function derived from ordinary PCR instrument. It is widely used in molecular biology, disease research, universitiy laboratories, research centers and other fields.

The interface operation is simple and convenient, ultra light and thin design.

The lastest generation of semiconductor technology, excellent augmentation performance, effectively eleminate the edge effect of modüle heat conduction, the module temperature uniformity is excellent. Built in multi channel refrigeration film, several sensors are evenly distributed, the program temperature control is more precise.

5 inch TFT high definition full color screen, can quickly edit the required files, visual display of temperature cuırve, convenient and fast setting, accuare display of temperature curve and instrument running progress status in real time.

The system has a built in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions.

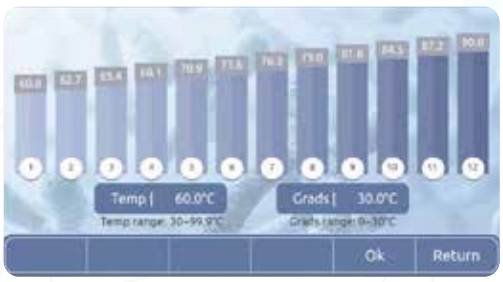
The Thermal cycler insturment have genious elastic hot cover structure design. Adapts to the different height test tube, guarantees the best conditions for the test.

The instrument have real time display of gradient temperature and real time temperature display.

The insrument have settable lid temperature system. The hot lid temperature and working mode can be set, hot lid can be switched on and off, and test tube temperature control mode and module temperature control mode can be choose to meet more different experimental requirements.

Interface Display

The 5 inch TFT high definition full touch color screen can quickly edit the required files, temperature curve visual display, the setting is conventient and fast, real time accurate display temperature curve and instrument operation process status.



Specification	MS3-MaxiPCR32
Single step time range	1-59m59s
Temperature range	4-99,9°C
Sample capacity	32x0.2ml
Max. Heatng speed	6°C/s
Max. Cooling speed	5°C/s
Temp. uniformity	±0.25°C
Temp. accuracy	±0.20°C
Temp. display resolution	0,1°C
Temp. control method	Block/ Tube
Gradient temp. uniformity	±0.3°C
Gradient temp. accuracy	±0.3°C
Gradient temp. range	30-99.9°C
Gradient temp. Difference range	0.1-30°C
Hot cover temp. range	30-105°C
Max. Steps of the program	30
Program max. Cycle number	99
Time increment/ decrease	-599 / +599s
Temp. increment/ decrease	-9.9 / +9.9°C
Program pause function	Yes
16°C insulation	Forever
Display, controller	5 inch, 800x480 Pixel
Program storage quantity	>100
Communication interface	USB 2.0
Input power	24V, 8A
Dimentions, WxDxH	200x230x85mm
Net weight	3.2 kgs

MS3-MaxiPCR96

MaxiPCR96 Gradient Thermal Cycler, PCR instrument

Gradient PCR instrument is a gene amplification instrument with gradient PCR function derived from ordinary PCR instrument. It is widely used in molecular biology, disease research, universitiy laboratories, research centers and other fields.

The interface operation is simple and convenient, compact size.

The lastest generation of semiconductor technology, excellent augmentation performance, effectively eleminate the edge effect of modüle heat conduction, the module temperature uniformity is excellent. Built in multi channel refrigeration film, several sensors are evenly distributed, the program temperature control is more precise

5 inch TFT high definition full color screen, can quickly edit the required files, visual display of temperature cuırve, convenient and fast setting, accuare display of temperature curve and instrument running progress status in real time.

The system has a built in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize

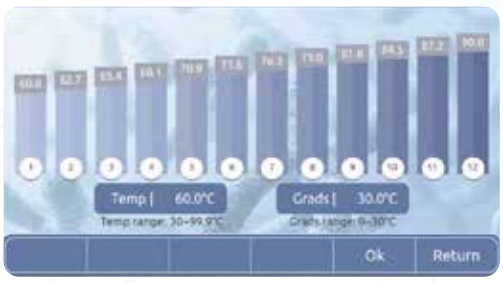
The Thermal cycler insturment have genious elastic hot cover structure design. Adapts to the different height test tube, guarantees the best conditions for the test. PCR reaction conditions.

The instrument have real time display of gradient temperature and real time temperature display.

The insrument have settable lid temperature system. The hot lid temperature and working mode can be set, hot lid can be switched on and off, and test tube temperature control mode and module temperature control mode can be choose to meet more different experimental requirements.

Interface Display

The 5 inch TFT high definition full touch color screen can quickly edit the required files, temperature curve visual display, the setting is conventient and fast, real time accurate display temperature curve and instrument operation process status.



Specification	MS3-MaxiPCR96
Single step time range	1-59m59s
Temperature range	4-99,9°C
Sample capacity	96x0.2mL
Max. Heatng speed	4.5°C/s
Max. Cooling speed	4°C/s
Temp. uniformity	±0.25°C
Temp. accuracy	±0.20°C
Temp. display resolution	0,1°C
Temp. control method	Block/ Tube
Gradient temp. uniformity	±0.3°C
Gradient temp. accuracy	±0.3°C
Gradient temp. range	30-99.9°C
Gradient temp. Difference range	0.1-30°C
Hot cover temp. range	30-105°C
Max. Steps of the program	30
Program max. Cycle number	99
Time increment/ decrease	-599 / +599s
Temp. increment/ decrease	-9.9 / +9.9°C
Program pause function	Yes
16°C insulation	Forever
Display, controller	5 inch, 800x480 Pixel
Program storage quantity	>100
Communication interface	USB 2.0
Input power	100 - 240v ac6.6-3.1 a 50/60Hz
Dimentions, WxDxH	185x280x160mm
Net weight	4.3 kgs

MS3-MaxiGel5

Horizontal Gel Electrophoresis system

Horizontal Gel Electrophoresis is a one-body electrophoresis Unit, which has compact design, stable performance, easy operation and good reproducibility and cost performance. It is widely used in biology field, ideal for teaching, scientific research, food and medical treatment. Horizontal gel electrophoresis unit is mainly used for seperation and test of nucleic acid.

New and unique appearance, mini and portable; the electrophoresis tank and power can be seperated.

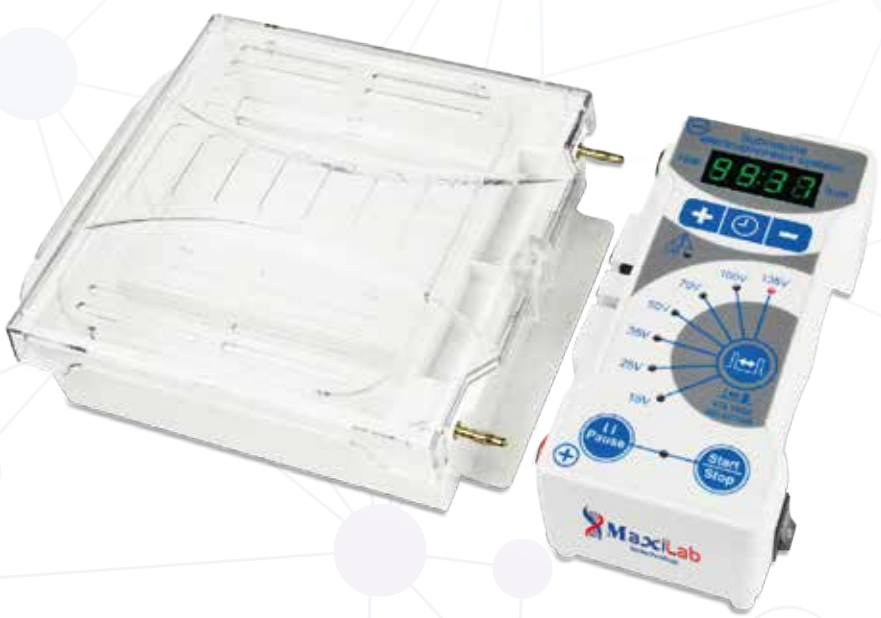
With seven output voltages, it can be called with one button, which is convenient and fast, saving standby consumption.

Specially designed Electropheresis shape, reducing the temperature difference between the buffer, while the heat benefit is improved. Put the gel into a limited position without drift.

With the pause function, timing function, can leave after press the start button, with alarm function, buzzer alert at the end.

When the electrophoresis current exceeds the peak current, will automatically adjust the voltage to reduce the current value, improve the experimental reproducibility.

Equipped with variety of specifications of gel trays / combs, compitable with a variety of experimental needs, compatible with high-throughput electrophoresis and multi-channel pipette operation.

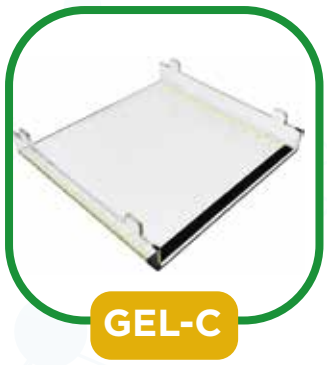


Spesification	MS3-MaxiGel5
Capacity	Max.500ml
Inner dimension	W.150xD.150xH47mm
Multi-channel suitability	Suitable for multi-channel pipettor
Timing function	1min-99h59min or continu, with pause function
Security settings	The power is automatically paused when the cover is lifted
Storage function	Automatically memorize the previous operating voltage and time
Input power	220V, 50/60Hz
Dimensions	W.260xD.170xH.68mm
Optional output voltage	135V 100V 70V 50V 35V 25V 18V
Net weight	0.78 kgs

Accesories;


GEL-A


GEL-B


GEL-C


GEL-D


GEL-E


GEL-F


GEL-G


GEL-H

Code	Description	Specifiations/dimensions	Qty.
GEL-A	Small size plate for gel	60mm(W) x 60mm(L)	2
GEL-B	Medium size plate for gel	120mm(W) x 60mm(L)	1
GEL-C	Big size plate for gel	120mm(W) x 120mm(L)	1
GEL-D	Gel comb 1	1.0mm thickness 25/11 teeth (can used multichannel gun to add sample)	4
GEL-E	Gel comb 2	1.5mm thickness 18/8 teeth	1
GEL-F	Gel comb 3	1.5mm thickness 13/6 teeth	1
GEL-G	Gel comb 4	2.0mm thickness 3/2 teeth	1
GEL-H	Base for gel making (double side)	138mm(W) x 138mm(L) x 36mm(H)	1

MS3-MaxiUV10

UV Transilluminator

UV Transilluminator is mainly used to observe the results of nucleic acid (DNA/RNA) gel electrophoresis and gel cutting operation. It can be widely used in scientific research institutions and enterprises in the fields of molecular biology, molecular geenetics, medicine and health, biological products, agriculture and other research institutes and enerprises in the field of life science research.

Humanized design of the whole machine, yhe Uv protection board can be stepless adjust at any Angle and positioning, to ensure the best protection of ultraviolet light, and does not affect the observation.

Compact sealing structure design ensures that the cutting operation and the cleaning and cutting platform are free of leakage, which greatly reduces the possibility of gel contamination and internal damage caused by leakage, and greatly improves the service life of the ultraviolet cutting instrument.

The special UV filter glass has good permeability to specific wavelenght UV, which can ensure higher detection sensitivity and enhance the signal capture capability of the weak band.

Reasonable structual design and high-quality UV lamp ensure uniform UV light intensity in the detection area of the UV transmission table.

Compact shape, easy operation and sealed structure maket he maintenance of the instrument simpler. Self-contained fan cooling device, extend the service life of the machine.

Single wavelenght standard 302nm UV lamp, and 254nm/365nm multiple wavelenghts or combinations can be selected to match the gel observation of different dyes. Users can choose UV lamps with different wavelenghts according to the experiment need.

Spesification	MS3-MaxiUV10
Transmission wavelenght	302nm,254nm,365nm optional. (Standard 302nm)
Filter size	197 x 147 mm
Voltage	AC 220-230V, 50/60Hz
Power	8Wx6
Dimentions, WxDxH	335x280x137mm
Net weight	5,4 kgs

MS3-MaxiMix25 / Vortex Mixer
MS3-MaxiMix30D / Vortex Mixer Digital

Vortex Mixer is used for vibration, blend and stirring of sample tissue, cell, bacteria liquid and chemical reagent in life science and physical and chemical analysis field. Multiple tubes are suitable for 0.2~50ml microtubes and tubes or small container with its diameter is within 108mm.

Compact appearance, powerful function, sucker type under chassis, super shockproof, ideal for high speed operation.

Multiple mixing modes, touch operation, continous operation and timing set(MS3-MaxiMix30D).

Speed adjustable, and wide speed range, stable low speed, powerful high speed.

Various tube holders are for optional (Suitable for microtubes, centrifuge tubes, microplates)

MS3-MaxiMix25

MS3-MaxiMix30D

Specification	MS3-MaxiMix25	MS3-MaxiMix30D
Operation	Knob + Scale	Key + Digital display
Shaking Orbit	3mm	3mm
Shaking Mode	Circle	Circle
Operation Mode	Continuous or press running	Continuous running or short mix
Speed Range	0-2500rpm	300-3000rpm
Time range	-	1s-999min
Voltage	AC 220-230V, 50/60Hz	DC 24V
Power	60W	30W
Fuse	250V, 1A , Ø5x20	-
Dimentions, WxDxH	132x156x150 mm	132x156x150 mm
Net weight	2,5 kgs	2,2 kgs

Optional Accesories


MX-A


MX-B


MX-C


MX-D


MX-E


MX-F


MX-G


MX-H


MX-I


MX-J


MX-K


MX-L


MIX-A


MIX-B


MIX-C


MX-P
Standart platform

Code	Description
MX-A	Standard head. Suit for tubes and containers with dia.<30mm
MX-P	Standard platform to hold foam tube holder
MX-B	Convex pad. use with MX-P. suit for tubes and containers with dia.<99mm
MX-C	Foam tube holder. for 0.2ml tubes, 70 holes. use with MX-P
MX-D	Foam tube holder. for 0.5ml tubes, 36 holes. use with MX-P
MX-E	Foam tube holder. for 1.5/2.0ml tubes, 20 holes. use with MX-P
MX-F	Foam tube holder. for 15ml tubes, 8 holes. use with MX-P
MX-G	Foam tube holder. for 50ml tubes, 4 holes. use with MX-P
MX-H	Tube holder platform. for 1.5/2.0ml tubes x 22
MX-I	Tube holder platform. for 15ml tubes x 4
MX-J	Tube holder platform. for 50ml tubes x 2
MX-K	Plate holder platform. for all standard plates
MX-L	Universal platform for tube stands below(MIX-A/B/C) and all standard plates
MIX-A	96 x 0.2ml Tube Stand
MIX-B	24 x 0.5ml Tube Stand
MIX-C	24 x 1.5/2.0ml Tube Stand

The maximum speed of MX-F and MX-G must not exceed 900rpm

MS3-MaxiOrbit300 Orbital shaker

MS3- MaxiOrbit300 Orbital shaker is designed with compact appearance. It is used for any mixing applications in different industries. It is applied in different laboratories of moleculer biology, microbiology, ummunology, biotechnology, chemistry, etc.

Brushless DC motor, long life and maintenance-free. Operating is silent and stable.

Speed adjustable and display at the control panel.

Compact and clean designed, LED displays time and speed.

MS3- MaxiOrbit300 Orbital shaker equipped with timing function, which can be set arbitrarily within the range pf 1min – 100h. The time controller can automatically alarm, realizing unmanned operation, and can be set to run continuously from time to time.

Different platforms to load different conical flasks, erlens, tubes and other sample containers for optional choices.

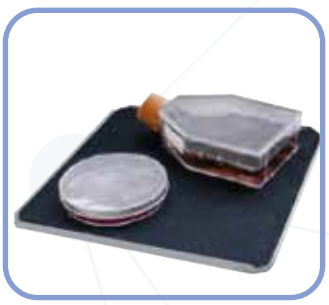
Optional Platforms

Platform with clamps
MP250-6

Universal platform
With adjustable bars
MUP-12

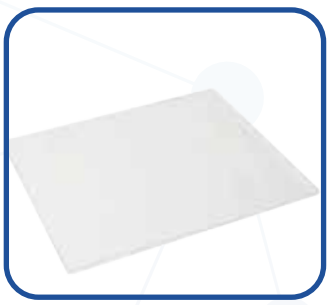
Platform with clamps
MP100-12

Universal platform
with springs
MP-SPR



Flat platform with
Non-slip rubber mat
MP-RM-4

Double deck flat platform
With non-slip rubber mat
MP-RM-4D



Sticky pad MSP-STC
used in the platform
MP-RM-4 or MP-RM-4D

Specification	MS3-MaxiOrbit300
Shaker Speed Range	50-300 rpm
Shaking Method	Orbital shaking
Shaking Orbit	20mm
Digital Timer Control Range	1min-99h59min
Capacities	6 x 250ml erlen flask 12 x 100ml erlen flask 4 x microplate
Max. Loading capacity	3kgs
Voltage	AC 220-230V, 50/60Hz
Power	50W
Fuse	250V, 1A , Ø5x20
Dimentions, WxDxH	284x264x108 mm
Net weight	5,6 kgs

MS3-MaxiOrbit300E Shaker With Remote Controller

Shaker with remote controller designed for shaking and mixing applications in extreme environments, including CO2 incubators, plant growth cabinets, refrigerators etc.

The parameter display and controller are placed outside. There is no need to worry about humidity, high temperature and other factors affecting the performance and life of the instrument. It is very suitable for animal cell culture and suspension cell culture and high and low temperature chemical reaction. The controller can be attached to most incubators by magnets to optimize the operating space.

The controller can be placed outside the incubator, and the shaker is controlled by a ribbon cable, which is convenient for viewing and changing settings without disturbing the environment of the incubator/cabinet.

The controller can be fixed on the incubator/cabinet or placed on the workbench

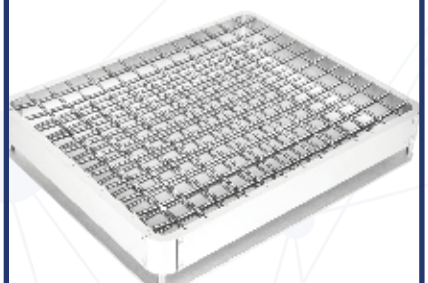
Suction cup machine feet, super shockproof, high speed and stable, no noise.

Large platform design, many samples can be placed, strong load-bearing capacity.

Optional Platforms

Erlen flask platform 300E-B
(capacity: 250ml erlen x 12 pcs.)

Erlen flask platform 300E-C
(capacity: 100ml erlen x 20 pcs.)



Universal platform,
spring rack 300E-D

Platform 300E-A
(stainless steel platform and rubber
mat combination

Specification	MS3-MaxiOrbit300E
Shaker Speed Range	50-300 rpm
Radius of gyration	10mm
Timer Control Range	1min-99h59min
Digital Display	Time/ Speed display
Capacities	6 x 250ml erlen flask 12 x 100ml erlen flask
Max. Loading capacity	2,5 kgs
Motor Parameters	Brushless DC motor
Platform Size	330mm×430mm
Beep Alarm	Yes
Voltage	AC 220-230V, 50/60Hz
Power	30W
Fuse	250V, 1A , Ø5x20
Controller size, WxDxH	220x132x64 mm
Shaker size, WxDxH	270x320x112 mm
Net weight	8 kgs

MS3-MaxiRocker80 / Rocking shaker
MS3-MaxiRocker80D / Rocking shaker Double platform

MS3-MaxiRocker80 and MS3-MaxiRocker80D Rocking shaker is a desktop oscillator that can be used directly in the greenhouse or in the incubator. It is widely used in the fixation of various electrophoresis gels, cocmassie blue staining, ooscillating shaking during decolorization, silver nitrate staining fix, dye, develop and other laboratory experiments

Platform is made of stainless steel and natural rubber, which is acid and alkali resistant, non-deformation, easy-celan and solution spill-prevention.

Real time display of speed and diminishing time at the control panel

Simple and beautiful appearance.

MS3-MaxiRocker80 and MS3-MaxiRocker80D Products includes flat platform with non-slip rubber mat.

MS3-MaxiRocker80

MS3-MaxiRocker80D

Specification	MS3-MaxiRocker80	MS3-MaxiRocker80D
Shaker Speed Range	5-80 rpm	5-80 rpm
Shaker Mechanism	25mm (up and down) / 10°	25mm (up and down) / 10°
Digital Timer Control Range	1min-99h59min	1min-99h59min
Max. Loading capacity	5kgs	5kgs
Platform Dimension	L. 280 x W.228 mm	L. 280 x W.228 mm Double platform
Voltage	AC 220-230V, 50/60Hz	AC 220-230V, 50/60Hz
Power	50W	50W
Fuse	250V, 1A , Ø5x20	250V, 1A , Ø5x20
Dimentions, WxDxH	284x264x134 mm	284x264x248 mm
Net weight	0,5,2 kgs	6 kgs

MS3-MaxiMix80

Vertical Rotating Mixer

Vertical Rotating Mixer provides efficient but soft mixing to keep the sample in a suspension status such as blood mixing. It is suitable for preventing blood clots, latex diagosis, immunoprecipitation and similar laboratory applications.

Smart appearance, solid structure, simple operation. LED displays time and speed.

DC brushless motor, stable Performance, low noise and long using life.

360° vertical circulation rotation, operating smoothly and steadily.

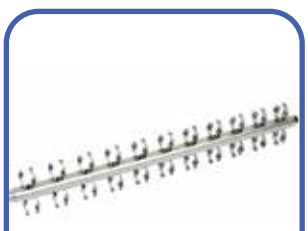
Different tube holder frames for optional to suit for different kinds tubes.

Oil-free bearings are built in both ends of the bracket.

Accesories

Mix80-A Tube Holder Frame: 1.5ml Tubes x 64

Mix80-C Tube Holder Frame: 50ml Sharp Bottom Tube x16



Mix80-B Tube Holder Frame: 15ml Sharp Bottom Tube x 22

Specification	MS3-MaxiMix80
Speed Range	10rpm - 80rpm
Shaking Orbit	Circle
Time Range	1min - 99h59min
Voltage	AC 220V, 50/60Hz
Power	16W
Fuse	250V, 1A, ϕ5x20
Dimension	W.470 x D.190 x H.160mm
Net Weight	2.8 kgs

MS3-MaxiMix3D

3D Rotating Mixer

3D Rotating Mixer is an uniquely designed instrument which can mix samples by horizon, vertical and any angled rotation with a variety of sample tubes. It is widely used in molecular hybridization, blood and other samples that need to be mixed.

Unique combination of adjustable rotating frame.

A variety of rotation modes, from mild type to somersault type rotation mode.

Widely used in molecular biology, histochemistry, biochemistry, clinical applications, etc.

Provide three types of rotating frame.

MS3-MaxiMix3D product with reciprocating oscillation function from 20° angle to 99° angle.

Oil-free bearings are built in both ends of the bracket.

Accesories

Code	Description
Mix3D-A	5 centrifuge tubes of 10ml / 15ml (ϕ15mm - ϕ16mm) +6 centrifuge tubes of 5ml / 7ml (ϕ12mm - ϕ13mm)
Mix3D -B	3 centrifuge tubes of 50ml + 18 centrifuge tubes of 0.5ml
Mix3D -C	18 centrifuge tubes of 1.5ml / 2.0ml

Specification	MS3-MaxiMix3D
Speed Range	10rpm - 40rpm (adjustable, digital)
Reciprocating Swing Angel Range	20°-99° (adjustable)
Time Range, digital	1s~999min/ Continuously
Voltage	AC 220V, 50/60Hz
Power	4W
Fuse	250V, 1A, ϕ5x20
Dimension	W.240 x D.145 x H.210mm
Net Weight	1.2kgs

MS3-MaxiPS4

Microplate Shaker

Micro-plate Shaker is mainly applied in solution mixing and shaking with PCR plate (96-holes/384-holes), cell culture plate (24-holes/48-holes/96-holes etc.) for immunoassay and dyeing experiments. It is safe used in low temperature envirnment or low temperature incubator. MIX-1500 is designed compactly with simple and convenient operation and low noise.

Simple and easy operation panel. LED display time and speed accurately.

Microprocessor controls speed and time, safe, stable and low noise.

Can accommodate 4 standard PCR plates or micro plates, mixing sample efficiently.

DC brushless motor, long life and free of maintenance. Provides both gentle and powerful shaking.

Timing function. Alarm after program finishes. Continuous working can be set.

Specification	MS3-MaxiPS4
Speed Range	200 - 1500rpm – standard (increment: 10rpm) 200 - 1000 rpm – deep-well plate(increment: 10 rpm)
Shaking Orbit	3mm (horizontal)
Time Range	1min-99h59min or continuously
Sample Capacity	4 standard plates
Voltage	AC 220-230V, 50/60Hz
Power	50W
Fuse	250V, 1A, ϕ5x20
Dimension	W.284 x D.264 x H.121 mm
Net Weight	5.2 kgs

When using deep hole plate, the instrument speed should not exceed 1000 rpm.

MS3-MaxiMix50

Multi-Tube Vortex Mixer

Multi-Tube Vortex Mixer can process 50 samples at the same time. Variety of accessories can be selected can be selected to meet the mixing needs with different specifications of test tubes.

Microprocessor control, simplistic designed appearance, LED displays the speed and time.

Friendly program designed, built-in short mix, timing operation, impulse and continuous modes. Operation stable and silent.

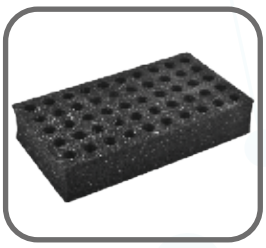
A foam tube frame and tray pad configured at random. Various types of foam tube frames and pads to choose. Tube frames and pads to choose.

Specification	MS3-MaxiMix50
Speed Range	500-2500rpm
Speed Accuracy	±1rpm
Shaking Orbit	4mm
Time Range	1s-9999min
Interval timing between impulse	1-10s
Timing set for impuls working	1s-99min59s
Max Load	5kgs
Cover Plate Size	W.184 x L.311mm
Voltage	AV 220V, 50/60Hz
Power	60W
Fuse	250V, 1A, ϕ5 x 20
Dimension	W.250 x D.426 x H.480mm
Net Weight	15kgs

Optinal Accesories, Tube Holders

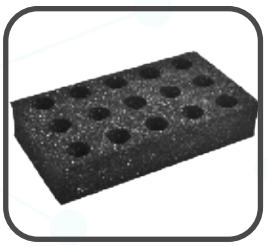
M50-A

M50-B

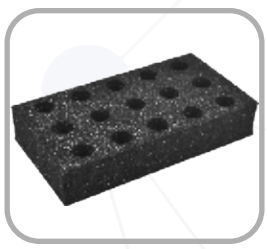


M50-C

M50-D

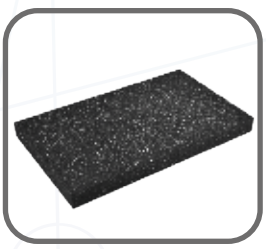


M50-E



M50-F

M50-G



M50-H

M50-I

Code	Description	Number of holes	Dimension
M50-A	ϕ10mm foam tube frame	50	W.245 x D.132 x H.45mm
M50-B	ϕ12mm foam tube frame	50	W.245 x D.132 x H.45mm
M50-C	ϕ13mm foam tube frame	50	W.245 x D.132 x H.45mm
M50-D	ϕ16mm foam tube frame (suit for 15ml tube)	50	W.245 x D.132 x H.45mm
M50-E	ϕ25mm foam tube frame	15	W.245 x D.132 x H.45mm
M50-F	ϕ29mm foam tube frame (suit for 50ml tube)	15	W.245 x D.132 x H.45mm
M50-G	ϕ38mm foam tube frame (suit for 100ml tube)	10	W.245 x D.132 x H.45mm
M50-H	Tray Pad Set (up pad & base pad)	/	W.305 x D.178.5 x H.25mm
M50-I	Acrylic tube frame ϕ11mm (suit for 1.5/2.0ml tube)	40	W.169 x D.84 x H.41mm

MS3-MaxiRocker3D

3D Gyratory Rocker

3D Gyratory Rocker is an economical 3D gyratory rocker with perfect 3-dimensional motion for gentle but thorough mixing. It is an ideal choice for mixing small sample. It suits for blood collection tubes and centrifuge tubes, applied for all blot related applications such as gel staining and destaining. The concave pad can firmly keep the tubes.

Gentle but thorough mixing.

Suits for blood collection tubes and centrifuge tubes.

Fixed speed and tilt angle.

Safe for use in cold rooms and incubators

MS3-MaxiRocker3D is available for 1.5ml x 60. 3ml x 30, 7 ml x 21, 15ml x 17.

Specification	MS3-MaxiRocker3D
Speed Range	20rpm (fixed)
Shaking Orbit	3D / 20° (fixed)
Max. Load	0.8 kgs
Voltage	AC 220V / AC 110V, 50/60Hz
Power	45W
Dimension	W.240 x D.170 x H.150mm
Net Weight	1.6kgs

MS3-MaxiHomo35

Handheld Homogenizer

The homogenizer MS3-MaxiHomo35 is smart hand held instrument for fast organization homogeneous, separation and emulsification. Its working principle is making the sample circularly loop into a narrow space between the high speed and relative motion stator to shear and break the sample. Is is applied in various territories such as bio-pharmaceuticals, gene research, organization broken, cell clurrying, clinicopathologic analysis, emulsions, nanometer materials scattering, polymerization reaction, cosmetics, ink and paint, fine chemical engineering, pesticide, prospection, environmental protection, energy sources, etc.

Designed smart and light. Can operate in one hand.

Speed adjustable, digital display speed. Speed precisely controlled to avoid splashing.

Suitable for homogeneous dispersion of a small amount of sample in small container.

High quality stainless steel dispersing head, anti-corrosion, high temperature resistance for disinfecting.

Easy to take off the dispersing head for cleaning.

High speed and high efficiency motor, long life.

Optional H-type stand, height and angle can be adjusted, convenient to take and store.

Specification	MS3-MaxiHomo35
Digital Speed Control Range	8000-35000 rpm (1000rpm increment)
Rotor Line Speed	6.3m/sec - 15m/sec
Working Noise	72dB
Voltage	AC 220-230V, 50/60Hz
Power input/ Output	160W/ 110W
Dimensions, WxDxH	46x55x230 mm
Net Weight	0,8 kgs

Accesories, probes and stand

MH35-A

MH35-B

MH35-C

Code	Handling capacity	Diameter of hole	Diameter of outer head	Diameter of inner head	Gap between outer and inner head	Min/ Max Dipping Head	Lenght of Head	Material
MH35-A	0,5-50ml	6,7mm	6mm	3,9mm	0,1mm	20/ 90mm	150mm	316L
MH35-B	1-100ml	8 mm	8mm	6,1mm	0,3mm	20/ 107mm	167mm	316L
MH35-C	1-250ml	10,8 mm	10mm	7,9mm	0,3mm	20/ 120mm	180mm	316L
MH35-D	H-Type stand; used to hold the homogenizer; height and angle are adjustable							

MS3-MaxiStir20

Digital Magnetic Stirrer Hot Plate

The heating plate of the Digital Magnetic Stirrer Hot Plate is made of special Ceramic. Magnetic stirring technology and humanized design is convinient for operation to meet various heating and stirring experimental needs.

PID for temperature control. Three display Windows. High precision measurement. Low overshoot(≤±5°C). Single button operation.

Stirring types are available for heating or stirring standard/non-standard reaction flasks from 50ml to 20L.

DC brushless motor makes stable operation, low noise long using life and no spark.

Using specially made ceramic disc heating surface, beauty, anti-corrosion and easy to clean.

30° slope control panel, suitable for seated and standing point of view

Adopt aluminum alloy shell, high strength, quick heat dissipation, anti-corrosion.

Unique heating method, the surface maximum temperature can reach 340°C.

Magnetic stirring technology, low speed steady, high speed strong.

Optional support rod and external temperature probe.

Specification	MS3-MaxiStir20
Platform size	ϕ137mm
Platform material	Enamel
Speed Range	200-1200rpm
Temp. Range	R.T. +5°C - 340°C
Temp. Setting range	30°C-340°C
Temp. Stability	±3°C
Time Range	0-99h59min
Stirring Point Quantity	1
Max. Stir Capacity	20L
Max. Size of Stirrer Stick	80mm
External Interface Temp. Sensor	PT1000
Adjustable Safety Loop Min. Temp.	50°C
Adjustable Safety Loop Max. Temp.	350°C
Voltage	AC220V, 50/60Hz
Power	600W
Fuse	250V, 4A/8A, ϕ5x20
Dimension (W.D.H)	W.160 x D.270 x H.90mm
Net Weight	2.3kgs

Digital Multi-Position Magnetic Stirrer series

MS3-MaxiStir4P
4 Stirring point qantity

MS3-MaxiStir8P
8 Stirring point qantity

MS3-MaxiStir12P
12 Stirring point qantity

MS3-MaxiStir8PT
8 Stirring point qantity with temperature control

Multi-position Magnetic Stirrer is designed for the high—efficiency experiments and has 4/8/12 stirring bar configurations to choose. It can use laboratory space essiciently. DC brushless motor makes the model, low speed but stable, high speed but powerful with low noise. Stainless steel is coated by silicone resin film disk. Non-slip and anti-corrosion.

Digital display stirring speed at real-time, stirring bars operate synchronously and provide uniform agitation reaction conditions.

Stainless steel is coated by silicone resin film pad. Non-slip and anti-corossion.

Model MS3-MaxiStir8PT applies special heating technolog, surface temperature up to 120°C


MS3-MaxiStir4P


MS3-MaxiStir8P


MS3-MaxiStir12P


MS3-MaxiStir8PT

Specification	MS3-MaxiStir4P	MS3-MaxiStir8P	MS3-MaxiStir12P	MS3-MaxiStir8PT
Stirring Point Quantity	4	8	12	8
Size of Stirring Bars	ϕ8 x 46mm	ϕ8 x 46mm	ϕ8 x 46mm	ϕ8 x 46mm
Max. Capacity	400ml x 4	400ml x 8	400ml x 12	400ml x 8
Digital Display	Speed Display	Speed Display	Speed Display	Temperature and speed
Speed Range	200-1200rpm	± 200-1200rpm	± 200-1200rpm	200-1200rpm
Temp. Control Range	/	/	/	R.T. +5°C-120°C
Platform Material	Stainless steel with silicone pad	Stainless steel with silicone pad	Stainless steel with silicone pad	Stainless steel with silicone pad
Motor	DC brushless motor	DC brushless motor	DC brushless motor	DC brushless motor
Voltage	AC 220V, 50/60Hz	AC 220V, 50/60Hz	AC 220V, 50/60Hz	AC 220V, 50/60Hz
Power	20W	20W	20W	400W
Fuse	250V, 1A, ϕ5x20	250V, 1A, ϕ5x20	250V, 1A, ϕ5x20	250V, 5A/3A, ϕ5x20
Dimension	W.115 x D.480 x H.50mm	W.205 x D.480 x H.50mm	W.295 x D.480 x H.50mm	W.205 x D.480 x H.50mm
Net weight	3kgs	4kgs	5kgs	5.3kgs

MS3-MaxiStir4X

4 Heads Magnetic Hot Plate Stirrer

4 Heads Magnetic Stirrer has single-point and multi-point simultaneous stirring function, with mechanical timing, easy operation and stepless speed regulation, which can stably and precisely stir the liquid in a wide range. It is a common tool in petroleum, chemical industry, medical and health, environmental protection, biochemical laboratories, analysis rooms and education departments.

Four heating plates independently control temperature and speed, independent display.

The outer casing is made of metal, with high strength, high temperature resistance and corrosion resistance.

The temperature control adopts PID control algorithm, digital display, high precision, small flushing temperature (within ±5°C), and internal and external PT1000 temperature measurement.

Can heat or stirre 50ml~20L standard or non-standard reaction bottles.

Brushless DC motor, stable Performance, low noise, long life and no sparks.

Heated by an enamel heating plate and the maximum surface temperature can reach 340°C.

The 30° bevel control panel is suitable for sitting and standing angles.

Magnetic stirring technology, stable at low speed, strong at high speed.

Specification	MS3-MaxiStir4X
Platform Size	ϕ137mm
Platform Material	Enamel
Speed Range	200-1200rpm
Temp. Control Range	R.T. +5°C-340°C
Temp. Setting Range	30°C-340°C
Temp. Stability	±3°C
Stirring Point Quantity	4
Max. Stirring Capacity (H2O)	20L x 4
Size of Stirring Bar	ϕ8 x 46mm
External temp. Sensor	PT1000
Adjustable safety min. Temp. Loop	50°C
Adjustable safeti max. Temp. Loop	350°C
Voltage	AC 220V, 50/60Hz
Power	1600W
Fuse	250V, 10A, ϕ5x20
Dimension	W.610 x D.272 x H.86mm
Net weight	8.5kgs

MS3-MaxiStir3C

Cell Magnetic Stirrer

Cell Magnetic Stirrer is designed for Research universities, laboratories and factories, used to culture and stir cells.

Metal plate shell, firm and durable, thermostability and anti-corrosion.

TFT-LCD display speed, starting time and end time, cycle numbers and programing segments.

DC brushless motor makes stable operation, low noise, long using life.

Various working modes,including fixed speed stirring and cycle stirring.

Programmable. It can store and memorize nine frequently used settings S1~S9. One key to switch.
The control panel designed 30° slopes for convenient operation.

Magnetic stiring technology, stable running. Specially designed for cell culture with low speed.

Accelerate and decelerate gradually with low shear, keep cells growing safely.

Specification	MS3-MaxiStir3C
Stirring Point Quantity	1
Max. Stir Capacity	3L
Speed Range	5-200rpm, step: 1 rpm
Platform Material	Stainles steel
Dimension	W.180 x D.283 x H.88 mm
Voltage	AC 100~240V, 50/60Hz
Net Weight	2.2kgs

MS3-MaxiPipet6

Motorized Pipette Controller, Pipette Filler

MS3-MaxiPipet6 large capacity pipette is suitable for pipetting from 0.1 ml to 100ml. It can control the whole process from absorb fluid to pipetting with two buttons. The pipette speed can be adjusted easily. Liquid pipetting fast and accurate, super liquid cyristal display, unique ergonomic design, light weight, strong power, durable, fully furnished, is your lab favorate assistant.

Ergonomic design, exquisite appearance, comfortable and convenient operation, can be adapted tosuper-long pipette. Easy to use, precise control.

Adjust the pipetting speed with the button, 6 kinds of aspirate fluid 5 dispense speeds adjustable, unique gravity drainage mode, especially useful for small volume pipetting.

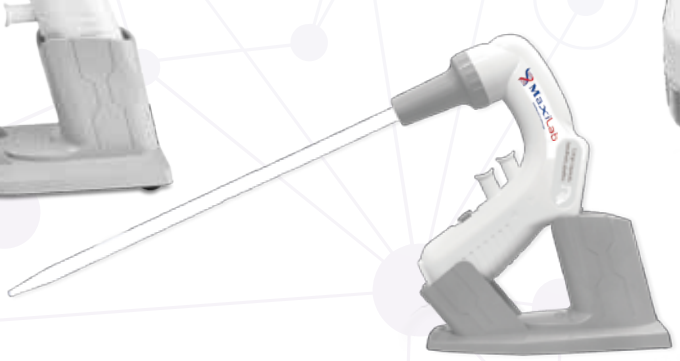
New pipetting pump, large power, can remove the large-capacity liquid rapidly. With a strong blow function to prevent residual droplets, to ensure the accuracy of pipetting.

Top large LCD display screen shows the current aspirate and dispense speed of gravity dispense; display battery power, when the battery power is low, the beep sounds prompt charging.

The entire electric is light weight, maximum to prevent muscle strain. Equipped with a desktop pipette holder, can be placed on the desktop, achieve seat charging.

New built-in lithium battery, using a special circuit design, to prevent the battery from overcharging. One time charge, can intermittent work 8 hours, charging time 2-3 hours.

Equipped with hydrophobic filter. Effectively prevent excessive liquid into the gun body, to prevent cross-contamination.



Specification	MS3-MaxiPipet6
Aspirate Speeds	6 speed adjustable
Dispense Speeds	6 speed adjustable with gravity dispense
Battery	Replaceable lithium battery
Battery Service Life	Intermittently at least 8 hours of normal use
Charging time	About 2 hours
Pipette type	0.1 - 100ml glass and plastic pipette, Pasteur pipette
Filtration membranes	0.45μm hydrophobic membranes
Charging power supply	DC4.2V 500mAh
Dimensions	W.30 x D.161 x H.147 mm
Net weight	0.65kgs

MS3-MaxiSteri14

Bacti-cinerator Sterilizer, Micro incinerator

Bacti-cinerator Sterilizer uses infrared heat sterilization, because it is easy to use, simple to operate, no open flame, no fear of wind, substitute alcohol lamp, safe to use, can be widely used in the environment of biosafety cabinet, purification workbenches, suction fans and mobile vehicles, for microbiological experiments.

Based on the principle of electronic infrared, the products are widely used in the sterilization of inoculation ring sor inoculation needles, completely replacing alcohol lamps.

The temperature inside the heating hole can reach 800°C or above, sterilization takes only 5-7 seconds and sterilization is through. The product can be used in an anaerobic chamber.

Small volume, light weight, appearance and easy to clean. Heating body can adjust angle, easy operation.

Organic substances in the ceramic funnel pipe depths ashing prevent infectious spatter and cross contamination.

Specification	MS3-MaxiSteri14
Center Max. temp.	825°C±50°C
Low Level Temp.	480°C
Heating Speed	20min (to max. temp.)
Max. Sterilize Diameter	ϕ14mm
Heating Element Lenght	140mm
Adjustable Angle	75° - 120°
Voltage	AC 220V 50/60Hz
Power	230W
Fuse	250V, 2A/3A, ϕ5x20
Dimension	W.87 x D.151 x H.160mm
Net Weight	1kgs

MS3-MaxiSteri4

Glass Beads Sterilizer

Glass Beads Sterilizer uses heated glass beads for fast sterilization of small lab equipments. The model is usually used for forceps, scissors, scalpels, needles, ring vaccination and other lab equipments and commonly used in research labs.

Small volume, light weight, simple operation, long working life.

Inner temperature of container is equipped with high temperature sterilization beads can be heated to about 300°C.

Randomly configurate glass bead with diameter 1.5~2.0mm.

Compact appearance design, digital displays temperature at real-time. It can be used in ultraclean workbench.

Stainless steel inner container, built-in high-performance heating element, high precision of temperature controller and overtemperature protection.

Specification	MS3-MaxiSteri4
Temp. Control Range	100°C - 300°C
Temp. Stability	±5°C
Heating Speed	≤25min
Heating Well Dimentions (diameter x depth)	ϕ40 x 150mm
Glass Beads Capacity	600g
Cover Material	Stainless steel
Insulation Material	Green mineral wool
Voltage	AC 220V / AC 110V. 50/60Hz
Power	300W
Fuse	250V, 2A/3A, ϕ5x20
Dimension	W.130 x D.150 x H.240mm
Net Weight	2.5 kgs

MS3-MaxiVac1

Liquid Suction Vacuum Pump, Vacuum Aspiration system

The liquid suction filtration vacuum pump is mainly used for seperation of culture fluid and culture tissue after biochemical culture, extraction of cell culture waste liquid and suction of various waste liquids in the laboratory. Different flow specifications are available to meet more experimental needs and it is the best experimental assistant indispensable for the laboratory aseptic workstation.
Pumping filter brackets are equipped on both sides of the instrument, easy to store and select the suction filter accessories.

Standard equipped with multi-function suction filter handle and 5 kinds of suction head accessories to meet more requirements of suction experiments.

Sealed waste liquid bottle cap design, quick-insertion sealing joint, convenient to get out of the fuselage bottle and clean up waste liquid.

Normally open control mode and foot switch control mode, to meet more experimental requirements.

Waste liquid bottle, suction filter fittings and dish filter can be all be used for autoclave sterilization.

There is a liquid level protection switch in the waste liquid bottle to prevent the waste liquid from overflowing and being sucked into the pump chamber to ensure no troubles in suction filtration.

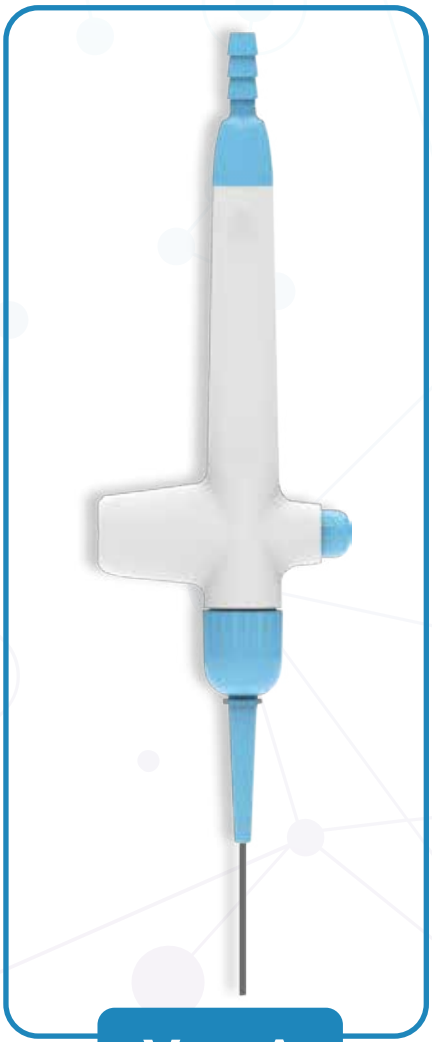
There is a PTFE dish shape filter between the bottle and the pump to protect the environment from harmful gas pollution.

The self-locking quick connector can be quickly and easily separated from the pipeline, which is convenient for safely cleaning the waste bottle.

Built-in high quality oil-free vacuum pump, no maintenance, low noise and long life.

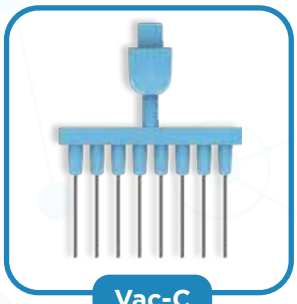
Specification	MS3-MaxiVac1
Max. Flow Rate	42L/min
Vacuum Degree	-0.08Mpa
Vacuum Display Mode	Vacuum gauge
Negative Pressure Adjusment Range	0 ~-0.08Mpa
Waste Liquid Bottle Capacity	2500mL
Foot Switch	Yes
Voltage	AC220V/ 50/60Hz
Power	180W
Fuse	250V 1A, ϕ5x20
Dimension	W.248 x D.475 x H.350mm
Net Weight	9.2 kgs

Accesories



Vac-A

Vac-B



Vac-C

Vac-D

Vac-E

Vac-F

Vac-G

Code	Description	Material	Quantity
Vac-A	Hand-held operator	POM	1
Vac-B	Eight-channel retractable tip plastic extraction head	POM	1
Vac-C	Eight-channel stainless steel extraction head	POM+SUS304	1
Vac-D	Single channel plastic extraction head	POM	1
Vac-E	Single channel retractable tip plastic extraction head	POM	1
Vac-F	Single channel stainless steel extraction head	POM+SUS304	1
Vac-G	Foot switch (For MS3-MaxiVac1)	Al	1

MS3-MaxiCon1 Sample Concentrator / Nitrogen Evaporator (one block)
MS3-MaxiCon2 Sample Concentrator / Nitrogen Evaporator (two blocks)

The sample concentrator is mainly used for the concentration or preparation of bulk samples (such as drug screening, hormone analysis, liquid phase and sample preparation in mass spectrometry). Working principle: By blowing nitrogen into the surface of the heated sample, the solvent in the sample is quickly evaporated and separated, thereby achieving the purpose of anaerobic concentration of the sample and keeping the sample more pure.

The height of the air chamber plate can be adjusted. The length of standard gas needle is 150mm.

LED displays immediate temperature and diminishing time. Operation is simple and convenient.

Built in overheat protection, automatic fault detection and fault beep alarm devices.

The entire equipment can be put into ventilation cabinet when the concentration sample is in toxic solvents.

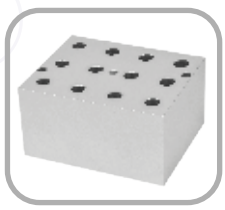
Synchronously working with heating by dry bath in the bottom and nitrogen blowing on the surface accelerates liquid evaporation and sample concentration.

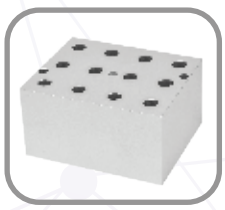
Unique patented design for air channel control system, enhances air tightness and reduces potential leakage; easy to operate, lift/pres sair needle to realize channel switch; the switching status of each channel is clear at a glance.

Standard configured air cavity and adjustable bracket.

Specification	MS3-MaxiCon1	MS3-MaxiCon2
Temp. Control Range	R.T. +5°C - 150°C	R.T. +5°C - 150°C
Temp. Setting Range	5°C - 150°C	5°C - 150°C
Temp. Stability @ 40-100°C	±0.5°C	±0.5°C
Temp. stability @100-150°C	±1°C	±1°C
Block Temp. Uniformity @100°C	±0.5°C	±0.5°C
Block Temp. Uniformity @150°C	±1°C	±1°C
Temp. Display Accuracy	0.1°C	0.1°C
Heating Speed	≤30min (40°C to 150°C)	≤30min (40°C to 150°C)
Time Range	1min - 99h59min	1min - 99h59min
Needle Plate Max. Lift Stroke	285mm	285mm
Gas-in Joint Outer Diameter	ϕ7mm	ϕ7mm
Nitrogen Pressure	≤0.1MPa	≤0.1MPa
Nitrogen Flow Rate	0-10L/min	0-10L/min
Needle Lenght	150mm	150mm
Sample Capacity	1 standard block	2 standard block
Voltage	AC220V, 50/60Hz	AC220V, 50/60Hz
Power	200W	400W
Fuse	250V, 2A/3A. ϕ5x20	250V, 2A/3A. ϕ5x20
Dimension	W.200 x D.230 x H.525mm	W.200 x D.260 x H.525mm
Net Weight	5.1kgs	6.1kgs

Optinal Accesories, Blocks


CB01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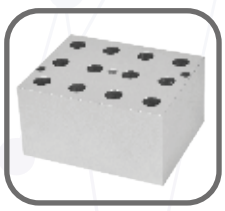
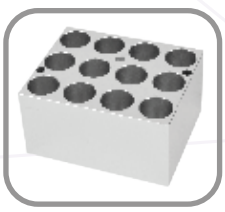

CB03

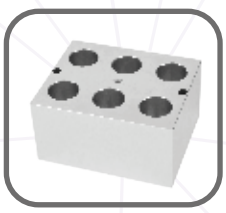

CB04


CB05


CB06


CB07


CB08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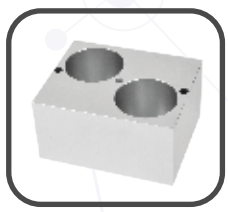
CB10


CB11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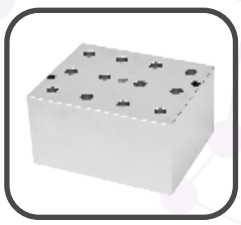
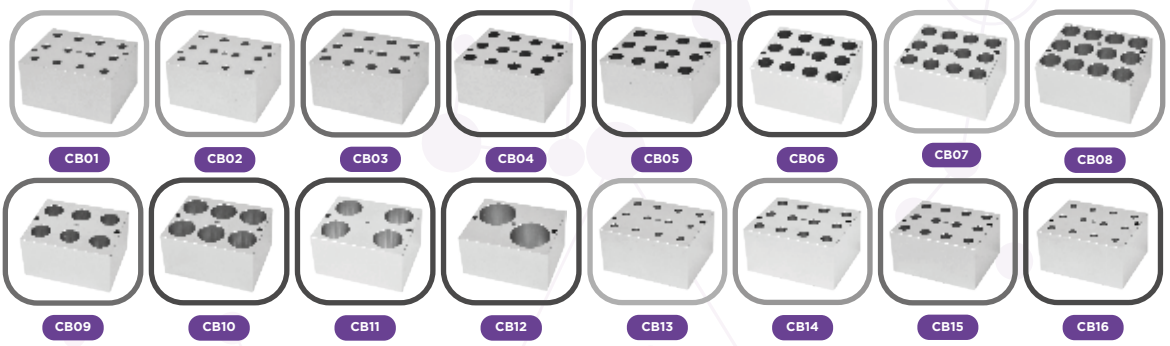
CB13


CB14


CB15


CB16

Code	Spesification	Dia. of hole	Hole bottom shape	Block dimension
CB01	6 mm x 12	6.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB02	7 mm x 12	7.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB03	10 mm x 12	10.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB04	12 mm x 12	12.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB05	13 mm x 12	13.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB06	15 mm x 12 (7 ml tube)	15.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB07	16 mm x 12 (10ml/15ml tube)	16.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB08	19 mm x 12	19.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB09	20 mm x 6	20.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB10	26 mm x 6	26.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB11	28 mm x 4 (50ml tube)	28.5 mm	Flat bottom	95.5 x 76.5 x 50mm
CB12	40 mm x 2	40.5 mm	Round bottom	95.5 x 76.5 x 50mm
CB13	0.5 ml x12	8 mm	Cone bottom	95.5 x 76.5 x 50mm
CB14	1.5 ml x 12	10.8 mm	Cone bottom	95.5 x 76.5 x 50mm
CB15	2.0ml x 12	10.8 mm	Round bottom	95.5 x 76.5 x 50mm
CB16	0.2 ml x 12	6.1 mm	Cone bottom	95.5 x 76.5 x 50mm
CGC1	Gas control valf for Nitrogen	-	-	-



MS4-MaxiRead96

Microplate Elisa Absorbance Reader

The MS4-MaxiRead96 microplate absorbance reader, with a wavelength range of 400–800nm, is a high-performance solution for a wide range of applications, including immunoassays with colorimetric substrates, such as ELISA, and protein assays such as Bradford and Lowry. It is designed for applications within the biotechnology, moleculer biology, life science research and pharmaceutical laboratory.

Touch screen, 7 inch high resolution colour LCD display.

8 channel optical fiber scanning.

Single or dual wavelength measurements.

Performing 12 different tests just in one plate.

Extensive report with sample information.

Multiplicate report formats of sample information.

Auto Lamp adjustment and auto calibration.

Stable memory stores up to 200,000 test data, 500 test projects.

User-friendly, easy to programme and can update software online.

Easily connect to PC , provide with Maxilab Biotechnology MS4-MaxiRead96 software

Product includes standard 405,450,492,630nm optical filters.

Optional optical filters can be select between 400-800nm.

Product comes with MS4-MaxiRead96 software, dust Guard, touch Pen, printer, printer paper, replacement Lamp.

MS4-MaxiRead96

Microplate Elisa Absorbance Reader

Specification	MS4-MaxiRead96
Display	7 inchs Touch screen
Microplate types	96/ 48 well plate
Photodetector	Silicon Photodiode
Light source	8v/50w Controlled tungsten halogen lamp
Wavelength range	400nm - 800nm
Standard filters	405,450,492,630nm & 4 optional
Half-bandwidth of filters	8nm±2nm
Reading range	0.000~4.000A
Linearty at 450nm filter	≥ 0.990 Abs
Accuracy at 450nm filter	±0.008A (0-1Abs) ±0.015A (1-2Abs)
Precision at 450nm filter	≤0.2%
Resolution	0.001A
Accuracy	±0.008A
Reproducibility	≤0.2%
Stability	±0.003A
Reading Speed	Single Wavelength≤3s Double Wavelength≤6s
Shaking	Linear Shaking , 3 speeds(low, medium, fast)
User interface	İntegrated software or PC control software
Operation	Touch screen control panel
Storage	200,000 test data and 500 test projects
Printer	Built-in Thermal Printer optional external printer
Interface connections	2×USB-A 1×USB-B 1×RS-232 1×Printer
Dimensions; LxWXH	475×350×210mm
Net weight	8kgs

MS4-MaxiWash96

Microplate Elisa Washer

Microplate washer is equipped with liquid position sensor to avoid the washing liquid used up or waste liquid from overflow, minimize the risk and avoid the liquide being sucked into the pump to break the equipment.

Microplate washer includes 3pcs 2.0L washing bottles and 1 pcs 2.0L waste bottle.

- Large LCD display, menu designed for convenient use
- Whole plate washing or single strip washing
- 12-way and 8-way manifold included
- Low residual volume by two pipettes
- Complete bottom washing
- Shaking and dipping function
- Automatic monitoring of vacuum and pressure ,automatic rinse cycle
- Flat, V-bottom or U-bottom plate and strips washing
- Large memory to store up to 48 user programmed wash protocols
- Emergency stop available and liquid warning

Specification	MS4-MaxiWash96
Display	High brightness LCD
input	8 key membrane keyboard
Manifold	8 pins and 12 pins
Wash Mode	Strip mode and plate mode
Washing method	Single and two point
Wash strips	1-12 adjustable
Applicable well	Flat, V-bottom or U-bottom
Washing times	0-99 times adjustable
Dipping time	0-3600s adjustable
Shaking time	0-600s adjustable
Residual volume	≤1μL/well
Liquid volume	10-3000ul/well, increase by 10ul
Sipping time	0.1-9.9s
Storage Capacity	More than 100 user defined wash board procedures
Dimensions; LxWXH	448×382×163mm
Net weight	8kgs
Operating Environment	Temperature 5℃-40℃, Max humidity 80%

MS5-MaxiBSC Series

Class II Biological Safety Cabinets

Maxilab Biotechnology Class II Biological Safety Cabinets provide optimum performance which is continuously monitored and controlled by the user-friendly control system, giving the user, a safe and reliable working environment.

It provides first-class protection for the operator, the environment and the samples being studied against aerosold that may be risk yor emanating from risky microorganisms that are worked in the cabin in the tests.

Maxilab Biotechnology Class II Microbiological Safety Cabinets, with D.O.P test output as standard, have been designed with ease of use, convenience and maintenance in mind as well as safety.

HEPA filters are easily changed in a short time or the easily accessible control system is located outside the contaminated area.

- Large touch screen with Intelligent control system
- Motorized front window
- Airflow system: 70% air recirculation, 30% air exhaust.
- UV lamp for decontamination

Specifications	MS5-MaxiBSC90	MS5-MaxiBSC120	MS5-MaxiBSC150	MS5-MaxiBSC180
HEPA Filter	99.999% efficiency for particles ≥ 0.3 µm (class H14 according to EN 1822)			
External Surface Structure	Electrostatic powder coated steel			
Work Table	Disassembled perforated AISI 304 stainless steel			
Fan	Lubrication-free, high-efficiency centrifugal type			
Lightning	Low power high intensity 800 Lux (Fluorescent Lamp)			
Internal Dimensions, WxDxH,cm	90x62x63 and optional	120x62x63 and optional	150x62x63 and optional	180x62x63 and optional
External Dimensions, WxDxH cm	106x90x230 and optional	136x90x230 and optional	166x90x230 and optional	196x90x230 and optional
Noise Level	<60dBA			
Standard Accessory	Footed support stand / UV lamp / Fluorescent lamp/ Electric socket/ Vacuum Valve			
Installed Power	700W		850W	
Power Ratings	220V, 50Hz.			
Air Flow Control	Digital Speed Controlled			
Other Technical Specifications	The device is produced in accordance with the user's request and laboratory conditions			

MS5-MaxiLAF series

Laminar Air Flow Cabinets, Class I

Maxilab Biotechnology laminar flow cabinet keeps a controlled work surface for applications requiring a sterile and HEPA filtered work space whereas contaminant access is being prevented by a constant filtered airflow across the surface.

Maxilab Biotechnology laminar flow cabinet is a product of robust engineering combined with strategic ergonomic design. It provides long-term reliability and ultimate user comfort making it ideal for use in electronics assembly, plant tissue culture, culture media preparation, and other non-hazardous applications that need sterile and HEPA filtered environment.

- Large touch screen with Intelligent control system
- Motorized front window
- UV lamp for decontamination

Specifications	MS5-MaxiLAF90	MS5-MaxiLAF120	MS5-MaxiLAF150	MS5-MaxiLAF180
HEPA Filter	99.999% efficiency for particles ≥ 0.3 µm (class H14 according to EN 1822)			
External Surface Structure	Electrostatic powder coated steel			
Work Table	Disassembled perforated AISI 304 stainless steel			
Fan	Lubrication-free, high-efficiency centrifugal type			
Lightning	Low power high intensity 800 Lux (Fluorescent Lamp)			
Internal Dimensions, WxDxH,cm	90x62x63 and optional	120x62x63 and optional	150x62x63 and optional	180x62x63 and optional
External Dimensions, WxDxH cm	106x90x230 and optional	136x90x230 and optional	166x90x230 and optional	196x90x230 and optional
Noise Level	<60dBA			
Standard Accessory	Footed support stand / UV lamp / Fluorescent lamp/ Electric socket/ Vacuum Valve			
Installed Power	700W		850W	
Power Ratings	220V, 50Hz.			
Air Flow Control	Digital Speed Controlled			
Other Technical Specifications	The device is produced in accordance with the user's request and laboratory conditions			

MS5-MaxiPCR series

PCR Workstation Cabinets, Class-I

The PCR Workstations Cabinets create an ideal environment for preparing PCR master mixes and other reactions by reducing any possible sample contamination.

Maxilab Biotechnology PCR workstation cabinet's HEPA-filtered laminar flow and UV decontamination technology provides superior protection against cross-contamination within the main chamber making it the proven solution for contaminant-free PCR.

- LCD control panel
- Motorized front window
- UV lamp with timer control for decontamination
- With HEPA filter design
- Waterproof electrical Sockets (inside the cabinet)
- Anti UV, 5mm strengthened glass Front and Side windows

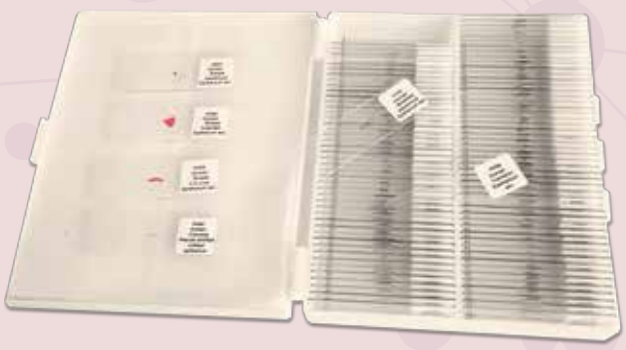
Specifications	MS5-MaxiPCR80	MS5-MaxiPCR100	MS5-MaxiPCR130	MS5-MaxiPCR150
HEPA Filter	99.999% efficiency for particles ≥ 0.3 μm			
External Surface Structure	Steel with anti-bacterial powder coating			
Work Table	Stainless steel, AISI 304			
Lightning	LED 8W x 2	LED 40W x 1	LED 12W x 2	
	≥1000Lux			
UV Lamb	20W x 1	20W x 2	20W 30W x 12	40W x 1
	253nm UV lamb with timer function			
External Dimensions, WxDxH	800x700x1770 mm	1000x705x1770 mm	1300x700x1770 mm	1500x700x1770 mm
Internal Dimensions, WxDxH	700x595x550 mm	900x569x560 mm	1200x595x550 mm	1400x595x550 mm
Working surface internal height	750mm			
Noise Level	<65dBA			
Standard Accessory	Footed support stand / UV lamp / Lighting lamp/ waterproof electric socket			
Installed Power	400W	300W	600W	
Power Ratings	220V, 50Hz.			
Air Flow speed	0.3-0.5m/s			
Support stand wheel	Yes			
Weight, gross	130 kg	150 kg	180 kg	200 kg
Packed dimentions, WxDxH	950 x 930 x 1370 mm	1150 x 930 x 1370 mm	1450 x 930 x 1370 mm	1650 x 930 x 1370 mm

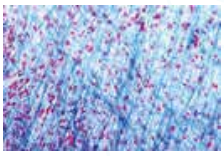
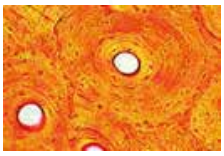
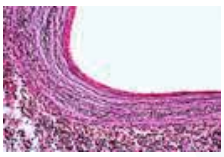
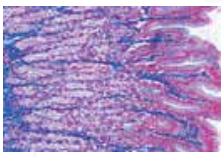
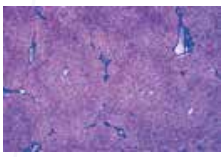
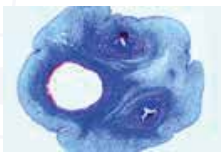
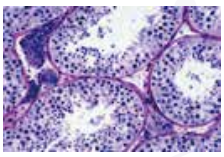
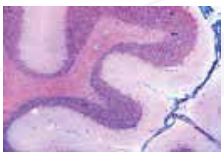
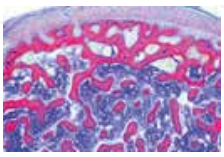
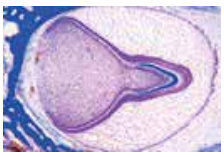
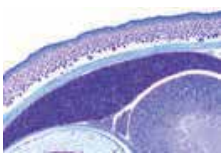
MS6-MaxiHisto100

Human Histology Prepared Microscope Slide Set

This Histology microscope slide set comprises of hundred pieces prepared microscope slides which show a wide range of cells, tissues and organs throughout the human body presented in a slide box with lid.

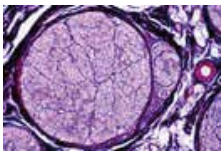
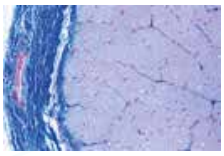
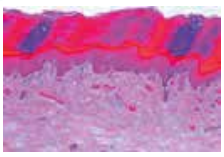
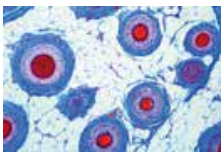
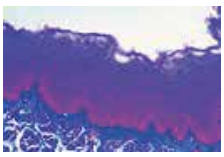
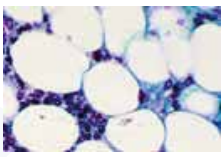
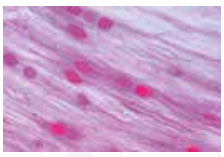
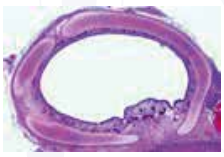
Maxilab Biotechnology offer excellent teaching slides of Histology of Human Tissues pertaining to all organs. These slides are extremely useful for teaching of dental, medical, biology, pharmacy and paramedical students as histology forms the basis of understanding normal structure of body and of the pathological process.

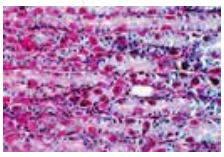
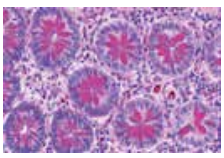


Code	Specification	MS6-MaxiHisto100 Human Histology Prepared Microscope Slide Set
HH01	Human	Simple squamous Epithelium sec.
HH02	Human	Simple Cuboidal Epithelium sec.
HH03	Human	Simple Columna Epithelium sec
HH04	Human	Columna Pseudo strtified cillated epithelium
HH05	Human	Stratified squamous Epithelium sec
HH06	Human	Transitinl Epethelium sec
HH07	Human	Ciliated Epithelium
HH08	Human	Epidermis from human mouth
HH09	Human	Glandular Epithelium sec
HH10	Human	Loose Connective Tissue w.m
HH11	Human	Dense Connective Tissue w.m
HH12	Human	Adipose Tissues sec.
HH13	Human	Hyaline Cartilage sec.
HH14	Human	Elastic Cartilage sec.
HH15	Human	Fibro Cartilage sec.
HH16	Human	Human Chromosome Nonmal Female w.m
HH17	Human	Human Chromosome Nonmal Male w.m
HH18	Human	Medulla oblongata sec
HH19	Human	Red marrow smear
HH20	Human	Smooth Muscle Teased Preparation w.m
HH21	Human	Blood smear
HH22	Human	Hair whole mount
HH23	Human	Smooth Muscle l.s and c.s
HH24	Human	Skeletal Muscle l.s and c.s
HH25	Human	Cardiac Muscle sec
HH26	Human	Spinal Card l.s and c.s
HH27	Human	Sciatic nerve l.s.
HH28	Human	Motor neuron w.m
HH29	Human	Motor Nerve Endings w.m
HH30	Human	Tongue l.s. show filiform papilla
HH31	Human	Esophagus sec.
HH32	Human	Trachea sec.
HH33	Human	Stomach sec.
HH34	Human	Stomach fundic portion sec.
HH35	Human	Stomach Cardiac Region sec.
HH36	Human	Stomach Pyloric Region sec.
HH37	Human	Small Intestine c.s
HH38	Human	Duodenum sec.
HH39	Human	Jejunum sec.
HH40	Human	Ileum c.s. show villi and goblet cells
HH41	Human	Appendix sec.
HH42	Human	Large Intestine sec.
HH43	Human	Colon sec.
HH44	Human	Rectum sec.
HH45	Human	Pancreas sec.
HH46	Human	Spleen sec
HH47	Human	Liver sec
HH48	Human	Gall Bladder sec
HH49	Human	Fat layer
HH50	Human	Fibroblast

Code	Specification	MS6-MaxiHisto100 Human Histology Prepared Microscope Slide Set
HH51	Human	Nerve cells
HH52	Human	Brochiolus
HH53	Human	Lung sec
HH54	Human	Artery sec
HH55	Human	Vein sec
HH56	Human	Large artery sec
HH57	Human	Large vein sec
HH58	Human	Heart l.s.whole
HH59	Human	Kidney l.s
HH60	Human	Kidney with Blood Vessel Injected sec.
HH61	Human	Ureter sec.
HH62	Human	Ovary sec.
HH63	Human	Placenta Human sec.
HH64	Human	Human Sperms smear
HH65	Human	Epididymis sec
HH66	Human	Prostate Gland Human sec.
HH67	Human	Fallopian Tube sec
HH68	Human	Penis c.s
HH69	Human	Cervix sec
HH70	Human	Thyroid Gland sec
HH71	Human	Thymus Gland sec
HH72	Human	Mammary gland sec
HH73	Human	Adrenal Gland sec
HH74	Human	Lymph Node sec
HH75	Human	Salivary gland c.s.
HH76	Human	Cerebrum sec
HH77	Human	Cerebellum sec
HH78	Human	Pituitary gland c.s.
HH79	Human	Tendon teased c.s.
HH80	Human	eye entail sec
HH81	Human	Eyeball sec
HH82	Human	Human Skin sec show Thick Cornifie Layer
HH83	Human	Human Skin Sec Through sweat Gland
HH84	Human	Human Skin Sec Through Hair Folicle
HH85	Human	White fibrous tissue
HH86	Human	Mucous tissue ,umbilical cord
HH87	Human	Decalcified bone c.s.
HH88	Human	Infant developing bone section
HH89	Human	Developing membrane bone
HH90	Human	muscle-tendon junction l.s.
HH91	Human	muscle spindle
HH92	Human	Nerve bundle
HH93	Human	sympathetic ganglion
HH94	Human	motor cortex section
HH95	Human	sentor cortex
HH96	Human	cerebellar cortex
HH97	Human	Palatine tonsil
HH98	Human	thin skin from human palm section
HH99	Human	finger nail section
HH100	Human	stomach -duodenal junction l.s.

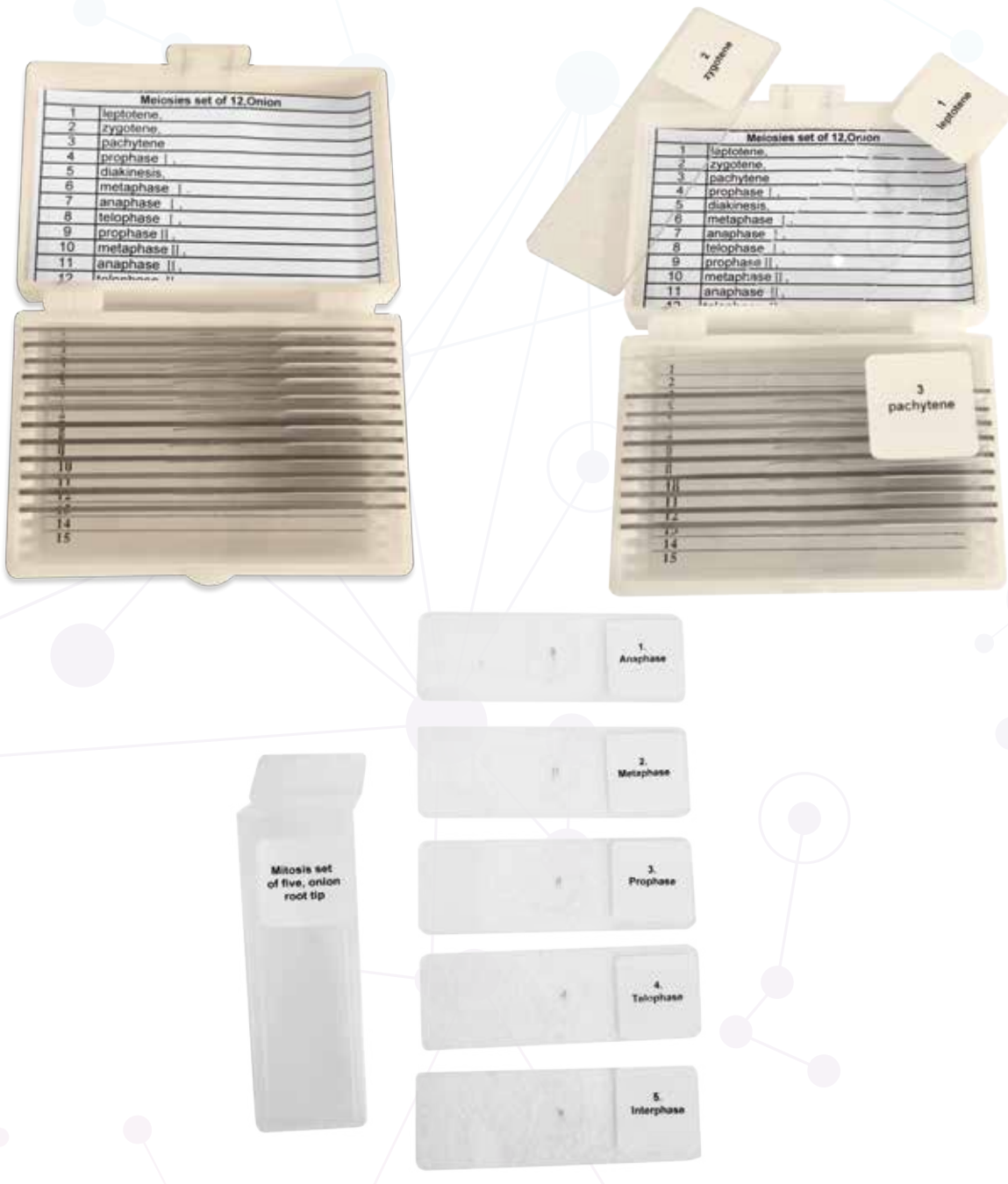
MS6-MaxiMito5 / Mitosis Prepared Microscope Slide Set
MS6-MaxiMeio12 / Meiosis Prepared Microscope Slide Set

Mitosis and Meiosis microscope prepared slide set is great for teaching students about the stages of plant mitosis and meiosis. Set includes glass slides labeled and stored in a slotted plastic case.

These slides are extremely useful for teaching of dental, medical, biology, pharmacy and paramedical students.

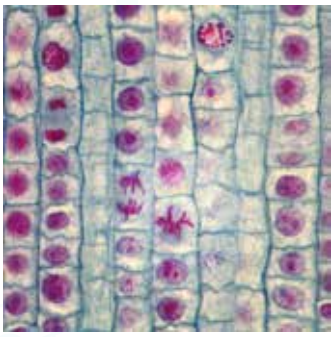
MS6-MaxiMito5 Mitosis prepared microscope slides includes 5 glass slides to Show stages of Mitosis.

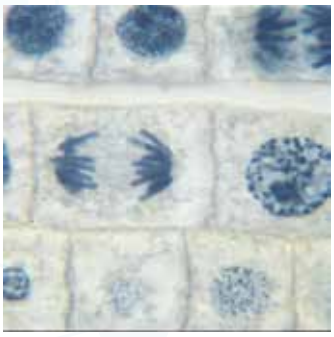
MS6-MaxiMeio12 Meiosis prepared microscope slides includes 12 glass slides to Show stages of Meiosis.

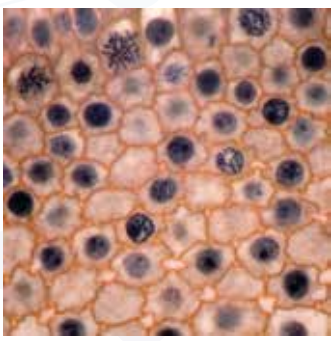


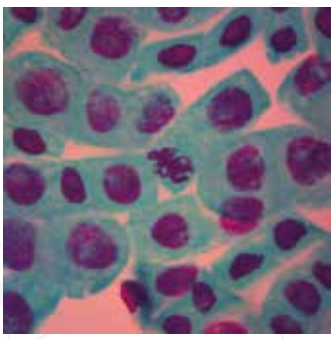
Spesification	MS6-MaxiMito5 Mitosis Prepared Microscope Slide Set
Onion	1-Anaphase
Onion	2-Metaphase
Onion	3-Prophase
Onion	4-Telophase
Onion	5-Interphase

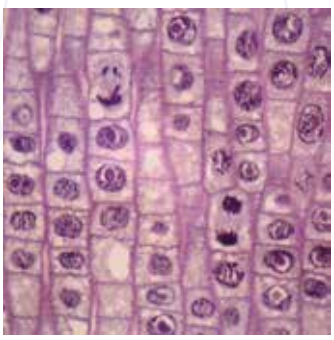
Spesification	MS6-MaxiMeio12 Meiosis Prepared Microscope Slide Set
Onion	1- Leptotene
Onion	2- Zygotene
Onion	3- Pachytene
Onion	4- Prophase-I
Onion	5- Diakinesis
Onion	6- Metaphase-I
Onion	7- Anaphase-I
Onion	8- Telophase-I
Onion	9- Prophase-II
Onion	10- Metaphase-II
Onion	11- Anaphase-II
Onion	12- Telophase-II











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