RADOBIO

CATALOGUE OF PRODUCT

CO_2 Incubator I Cell Culture Incubator Shaker
Microbial Culture Incubator Shaker I High Speed Incubator Shaker
Biosafety Cabinet I Clean Bench I Accessory

GOOD SOLUTIONS FOR CELL CULTIVATION

SPOC Scientific Pvt. Ltd.
+91-9030168155
info@spocscientifics.com
www.spocscientifics.com

SPOC Scientific Pvt. Ltd.

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COMPANY INTRODUCTION

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- Clean Bench
- Accessory

RADOBIO SCIENTIFIC CO.,LTD is committed to be a professional supplier of cell culture solutions, focusing on the development of culture environment control technolgies such as temperature, humidity, gas concentration, dynamic and static for animal and microbial cell culture, and providing cell culture instruments and consumables to scientists around the world with innovative technology.

Innovation and Quality

We focus on innovation and quality to provide superior products and quality services for cell culture production and research. With our experienced industry technical experts and marketing management team, we will continue to develop new products that meet the needs of the biopharmaceutical, vaccine development, cell therapy and gene therapy markets.

R&D Team

In order to further enhance the company's technical research and development capabilities, radobio has absorbed technical experts from the University of Texas and Shanghai Jiaotong University at any cost, including mechanical engineers, electrical engineers, software engineers and PhD in biology, etc. In addition to providing high quality equipment, cell culture validation tests based on a 500 square meter cell biology laboratory ensure the scientific applicability to biology.

Production and Equipment

With a forward-looking vision and higher technical requirements, radobio has established a 5000 square meters R&D and production workshop and invested in perfect large-scale processing equipment, which provides a timely guarantee for the iterative update of our products.

Product Value

Radobio always insists on innovation, strives for breakthroughs, and meticulously satisfies customers' demanding requirements, aiming to manufacture products with world-leading quality. We provide cost-effective products and more timely and perfect after-sales service for customers all over the world. Based in China and looking to the world, our products have been exported to more than ten overseas countries and regions, including Europe, USA, Japan and Korea, Southeast Asia and Middle East.

CUSTOMER CASE

SCIENTIFIC RESEARCH INSTITUTIONS

中国科学院上海药物研究所 Shanghai Institute of Materia Medica, Chinese Academy of Sciences
中国科学院武汉病毒研究所 WUHAN INSTITUTE OF VIROLOGY, CAS
中国科学院生物化学与细胞生物学研究所 中国科学院分子细胞科学卓越创新中心 Center for Excellence in Molecular Cell Science, CAS
中国科学院上海高等研究院
中科中山药物创新研究院 ZhongShan Institute for Drug Discovery
中国科学院生物与化学交叉研究中心 Interdisciplinary Research Center on Biology and Chemistry

COLLEGES AND UNIVERSITIES

NUS National University of Singapore
北京大学
复旦大学 Fudan University
上海交通大学 Shanghai Jiao Tong University
武汉大学 Wuhan University
澳门科技大学 Universidade de Ciência e Tecnologia de Macau Macau University of Science and Technology
北京航空航天大学 Beihang University
華東理工大學 East China University of Science and Technology
第二军医大学 The Second Military Medical University

HOSPITALS AND MEDICAL INSTITUTIONS

上海交通大学医学院附属第九人民医院
上海市第十人民医院 同济大学附属第十人民医院 Shanghai Tenth People's Hospital Tenth People's Hospital of Tongji University
中南大学湘雅医院 Central South University Xiangya Hospital
上海交通大学医学院附属新华医院
武汉市疾病预防控制中心

ENTERPRISE

恒瑞
正大天晴 Chiatai Tianqing
药明康德 WuXi AppTec
WuXi Biologics Global Solution Provider
先声药业 Simcere
Henlius
华东医药 Huadong Medicine
浙江医药 Zhejiang Medicine
国药集团 Sinopharm
ChemPartner Dedicated to LifeScience
Zelgen 泽璟制药
金斯瑞生物科技 Make Research Easy
Vazyme
益海嘉里
muyuan 牧原
CTI 华测检测
南模生物 Shanghai Model Organisms
Acro Biosystems
百奥赛图 Biocytogen
BeiGene
Sino Biological
maccura 迈克生物
菲鹏生物 Fapon Biotech
复创生物医药 CR Biopharm

CATALOGUE OF PRODUCTS

*All products are tested biologically in a controlled environment. Radobio does not guarantee the consistency of field test results under different conditions.

FOR CELL CULTURE

C80SE 140°C High Heat Sterilization CO_2 Incubator

Inherits the same parameters as C180SE. Capacity 85L, lightweight and compact. Double-layer stacking greatly saves lab space.

C180SE 140°C High Heat Sterilization CO_2 Incubator

6-sided direct heating temperature uniformity ±0.3°C (at 37°C); CO2 concentration control (IR sensor); 140°C high heat Sterilization. Temperature recovery time is ≤ 5min after opening the door for 30 seconds.

C240SE 140°C High Heat Sterilization CO_2 Incubator

Inherits the same parameters as C180SE. Capacity 240L, meet the needs of large batch cultivation. Double-layer stacking saves lab space.

C80PE 180°C High Heat Sterilization CO_2 Incubator

Inherits the same parameters as C180PE. Capacity 85L, lightweight and compact. Double-layer stacking greatly saves lab space.

C180PE 180°C High Heat Sterilization CO_2 Incubator

6-sided direct heating temperature uniformity ±0.2°C (at 37°C); CO2 concentration control (IR sensor); 180°C high heat Sterilization. Temperature recovery time is ≤ 5min after opening the door for 30 seconds.

C240PE 180°C High Heat Sterilization CO_2 Incubator

Inherits the same parameters as C180PE. Capacity 240L, meet the needs of large batch cultivation. Double-layer stacking saves lab space.

FOR SUSPENSION CELL SHAKING CULTURE

CS315 UV Sterilization Stackable CO_2 Incubator Shaker

7" LCD touch operation screen; Multi-UV Sterilization; Temperature uniformity±0.3°C (at 37°C); Shaking throw is 25/26/50mm; Speed range 2-300rpm; Temperature control range 4-60°C .

CS160 UV Sterilization Stackable CO_2 Incubator Shaker

Inherits the same parameters as CS315. Capacity 160L, maximum load capacity is 35kg. Multi-layer stacking greatly saves lab space.

FOR MICROBIAL SHAKING CULTURE

MS315 UV Sterilization Stackable Incubator Shaker

Push-button LED display; multiple UV sterilization; temperature field uniformity ±0.5°C (at 37°C); shaking throw 25/26/50mm; rotation speed range 2-300rpm; temperature control range4-60°C .

MS160 UV Sterilization Stackable Incubator Shaker

Inherits MS315 equivalent parameter. 160L light volume. Up to 3 units can be stackable, for lab space saving.

MS310T UV Sterilization Dual Tray Incubator Shaker

7" LCD touch operation screen. Inherits MS315 equivalent parameter. Cannot be stackable.

MS315T UV Sterilization Stackable Incubator Shaker

Inherits the same parameters as C180PE. Capacity 85L, lightweight and compact. Double-layer stacking greatly saves lab space.

MS160T UV Sterilization Stackable Incubator Shaker

6-sided direct heating temperature uniformity ±0.2°C (at 37°C); CO2 concentration control (IR sensor); 180°C high heat Sterilization. Temperature recovery time is ≤ 5min after opening the door for 30 seconds.

MS350T UV Sterilization Stackable Incubator Shaker

Inherits the same parameters as C180PE. Capacity 240L, meet the needs of large batch cultivation. Double-layer stacking saves lab space.

MS86 Multifunctional Stackable Incubator Shaker

Push-button LED display; one tray for shaking culture, one tray for static culture; temperature field uniformity +0.5°C (at 37°C); temperature control range Ambient+5~60°C .

MS70 UV Sterilization Stackable Incubator Shaker

Push-button LED display; one tray for shaking culture, one tray for static culture; temperature field uniformity; temperature field uniformity ±0.5°C (at 37°C); temperature control range4~60°C . Up to 2 units can be stackable.

FOR HIGH SPEED SHAKING CULTURE

MS160HS High Speed Stackable Incubator Shaker

With an shaking throw of 3mm, suitable for high-throughput microvolume plate culture of more than several thousand biological samples at a time, multiple clamps can be chosen. Suitable for special microorganism of small volume culture.

CS160HS High Speed Stackable CO_2 Incubator Shaker

With an shaking throw of 3mm and rotation speed of up to 1000rpm, suitable for high-throughput microvolume plate culture of more than several thousand biological samples at a time, multiple clamps can be chosen. Suitable for a variety of cell culture.

FOR SAFETY AND PROTECTION

AG1000 Clean Bench (Single People/Single Side)

Used for biopharmaceutical/medical experiments /food science/electronic engineering/agricultural research and other work that requires local cleanliness and sterility Environmental research and production enterprises.

AG1500 Clean Bench (Double People/Single Side)

Used for biopharmaceutical/medical experiments /food science/electronic engineering/agricultural research and other work that requires local cleanliness and sterility Environmental research and production enterprises.

AG1500D Clean Bench (Double People/Double Side)

Used for biopharmaceutical/medical experiments /food science/electronic engineering/agricultural research and other work that requires local cleanliness and sterility Environmental research and production enterprises.

AS1300 Biosafety Cabinet (A2)

Ensure the highest level of protection for operator, product and environment, it's a Class II, Type A2 Biological Safety Cabinet. External Dimension: 1300×810×2290mm

AS1500 Biosafety Cabinet (A2)

Ensure the highest level of protection for operator, product and environment, it's a Class II, Type A2 Biological Safety Cabinet. External Dimension: 1500×810×2290mm

AS1800 Biosafety Cabinet (A2)

Ensure the highest level of protection for operator, product and environment, it's a Class II, Type A2 Biological Safety Cabinet. External Dimension: 1800×810×2290mm

FOR CELL CULTURE
CO_2 INCUBATOR

C80SE 140°C High Heat Sterilization CO_2 Incubator

C80SE CO2 incubator adopts 6-sided direct heat control with temperature uniformity up to ±0.3°C; 140°C dry heat autoclaving function can achieve complete sterilization; infrared (IR) CO2 concentration detector for precise control; touch control panel can easily view historical data curves and export historical data with one click. Built-in HEPA air filtration system, which provides continuous protection against harmful airborne contaminants in the culture environment.

- Six-sided direct heat system
- 140°C high heat sterilization
- Temperature uniformity up to ±0.3°C
- HEPA air filters keep the air clean

Key Features

- 6-side direct heat system temperature uniformity ±0.3°C
- 140°C high temperature dry heat sterilization
- ISO Class 5 HEPA filtered airflow system
- Circulating airflow technology ensures uniformity of temperature and humidity
- 304 stainless steel cavity with rounded corners, beautiful and easy to clean
- Removable shelf holder, no additional tools required
- 5-inch LCD touch operation screen, simple and intuitive to operate, data exportable

Technical Details

Cat.No.	C80SE	Relative Humidity	Ambient humidity ~95% at 37°C
Control interface	5 inch LCD touch operation screen	HEPA filtration	ISO 5 level, 5 minutes
Temperature control mode	PID control mode	Sterilization method	140°C High heat sterilization
Temperature control range	Ambient +5°C ~60°C	Temperature recovery time	≤ 10 min (open door 30sec room temperature 25°C set value 37°C)
Temperature display resolution	0.1°C		
Temperature field uniformity	±0.3°C at 37°C	CO2 concentration recovery time	≤ 5 min (open the door 30sec set value 5%)
Max. power	500W		
Timing function	0~999.9hours	Historical data storage	250,000 messages
Internal Dimensions	L440×W400×H500mm	Data export interface	USB interface
Dimension	L560×W530×H825mm	User management	3 levels of user management: Administrator/Tester/Operator
Volume	85L		
CO2 measurement principle	Infrared (IR) detection	Scalability	Up to 2 units can be stacked
CO2 control range	0~20%	Working environment temperature	18~30°C
CO2 display resolution	0.1%	Power supply	115V~230V±10%, 50~60Hz
CO2 supply	0.05~0.1MPa is recommended	Weight	78kg

C180SE 140°C High Heat Sterilization CO_2 Incubator

C180SE CO2 incubator adopts 6-sided direct heat control with temperature uniformity up to ±0.3°C; 140°C dry heat autoclaving function can achieve complete sterilization; infrared (IR) CO2 concentration detector for precise control; touch control panel can easily view historical data curves and export historical data with one click. Built-in HEPA air filtration system, which provides continuous protection against harmful airborne contaminants in the culture environment.

- Six-sided direct heat system
- 140°C high heat sterilization
- Temperature uniformity up to ±0.3°C
- HEPA air filters keep the air clean

Key Features

- 6-side direct heat system temperature uniformity ±0.3°C
- 140°C high temperature dry heat sterilization
- ISO Class 5 HEPA filtered airflow system
- Circulating airflow technology ensures uniformity of temperature and humidity
- 304 stainless steel cavity with rounded corners, beautiful and easy to clean
- Removable shelf holder, no additional tools required
- 5-inch LCD touch operation screen, simple and intuitive to operate, data exportable

Technical Details

Cat.No.	C180SE	Relative Humidity	Ambient humidity ~95% at 37°C
Control interface	5 inch LCD touch operation screen	HEPA filtration	ISO 5 level, 5 minutes
Temperature control mode	PID control mode	Sterilization method	140°C High heat sterilization
Temperature control range	Ambient +5°C ~60°C	Temperature recovery time	≤ 10 min (open door 30sec room temperature 25°C set value 37°C)
Temperature display resolution	0.1°C		
Temperature field uniformity	±0.3°C at 37°C	CO2 concentration recovery time	≤ 5 min (open the door 30sec set value 5%)
Max. power	900W		
Timing function	0~999.9hours	Historical data storage	250,000 messages
Internal Dimensions	L535×W526×H675mm	Data export interface	USB interface
Dimension	L660×W652×H1000mm	User management	3 levels of user management: Administrator/Tester/Operator
Volume	185L		
CO2 measurement principle	Infrared (IR) detection	Scalability	Up to 2 units can be stacked
CO2 control range	0~20%	Working environment temperature	18~30°C
CO2 display resolution	0.1%	Power supply	115V~230V±10%, 50~60Hz
CO2 supply	0.05~0.1MPa is recommended	Weight	112kg

C240SE 140°C High Heat Sterilization CO_2 Incubator

C240SE CO2 incubator adopts 6-sided direct heat control with temperature uniformity up to ±0.3°C; 140°C dry heat autoclaving function can achieve complete sterilization; infrared (IR) CO2 concentration detector for precise control; touch control panel can easily view historical data curves and export historical data with one click. Built-in HEPA air filtration system, which provides continuous protection against harmful airborne contaminants in the culture environment.

- Six-sided direct heat system
- 140°C high heat sterilization
- Temperature uniformity up to ±0.3°C
- HEPA air filters keep the air clean

Key Features

- 6-side direct heat system temperature uniformity ±0.3°C
- 140°C high temperature dry heat sterilization
- ISO Class 5 HEPA filtered airflow system
- Circulating airflow technology ensures uniformity of temperature and humidity
- 304 stainless steel cavity with rounded corners, beautiful and easy to clean
- Removable shelf holder, no additional tools required
- 5-inch LCD touch operation screen, simple and intuitive to operate, data exportable

Technical Details

Cat.No.	C240SE	Relative Humidity	Ambient humidity ~95% at 37°C
Control interface	5 inch LCD touch operation screen	HEPA filtration	ISO 5 level, 5 minutes
Temperature control mode	PID control mode	Sterilization method	140°C High heat sterilization
Temperature control range	Ambient +5°C ~60°C	Temperature recovery time	≤ 10 min (open door 30sec room temperature 25°C set value 37°C)
Temperature display resolution	0.1°C		
Temperature field uniformity	±0.3°C at 37°C	CO2 concentration recovery time	≤ 5 min (open the door 30sec set value 5%)
Max. power	1000W		
Timing function	0~999.9hours	Historical data storage	250,000 messages
Internal Dimensions	L674×W526×H675mm	Data export interface	USB interface
Dimension	L800×W652×H1000mm	User management	3 levels of user management: Administrator/Tester/Operator
Volume	248L		
CO2 measurement principle	Infrared (IR) detection	Scalability	Up to 2 units can be stacked
CO2 control range	0~20%	Working environment temperature	18~30°C
CO2 display resolution	0.1%	Power supply	115V~230V±10%, 50~60Hz
CO2 supply	0.05~0.1MPa is recommended	Weight	130kg

C80PE 180°C High Heat Sterilization CO_2 Incubator

C80PE CO2 incubator adopts 6-sided direct heat control with temperature uniformity up to ±0.2°C; 180°C dry heat autoclaving function can achieve complete sterilization; infrared (IR) CO2 concentration detector for precise control; touch control panel can easily view historical data curves and export historical data with one click. Built-in HEPA air filtration system, which provides continuous protection against harmful airborne contaminants in the culture environment.

- Six-sided direct heat system
- 180°C high heat sterilization
- Temperature uniformity up to ±0.2°C
- HEPA air filters keep the air clean

Key Features

- 6-side direct heat system temperature uniformity ±0.2°C
- 180°C high temperature dry heat sterilization
- ISO Class 5 HEPA filtered airflow system
- Circulating airflow technology ensures uniformity of temperature and humidity
- 304 stainless steel cavity with rounded corners, beautiful and easy to clean
- Removable shelf holder, no additional tools required
- 5-inch LCD touch operation screen, simple and intuitive to operate, data exportable

Technical Details

Cat.No.	C80PE	Relative Humidity	Ambient humidity ~95% at 37°C
Control interface	5 inch LCD touch operation screen	HEPA filtration	ISO 5 level, 5 minutes
Temperature control mode	PID control mode	Sterilization method	180°C High heat sterilization
Temperature control range	Ambient +5°C ~60°C	Temperature recovery time	≤ 10 min (open door 30sec room temperature 25°C set value 37°C)
Temperature display resolution	0.1°C		
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Max. power	500W		
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Volume	85L		
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CO2 display resolution	0.1%	Power supply	115V~230V±10%, 50~60Hz
CO2 supply	0.05~0.1MPa is recommended	Weight	78kg

C180PE 180°C High Heat Sterilization CO_2 Incubator

C180PE CO2 incubator adopts 6-sided direct heat control with temperature uniformity up to ±0.2°C ; 180°C dry heat autoclaving function can achieve complete sterilization; infrared (IR) CO2 concentration detector for precise control; touch control panel can easily view historical data curves and export historical data with one click. Built-in HEPA air filtration system, which provides continuous protection against harmful airborne contaminants in the culture environment.

- Six-sided direct heat system
- 180°C high heat sterilization
- Temperature uniformity up to ±0.2°C
- HEPA air filters keep the air clean

Key Features

- 6-side direct heat system temperature uniformity ±0.2°C
- 180°C high temperature dry heat sterilization
- ISO Class 5 HEPA filtered airflow system
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CO2 control range	0~20%	Working environment temperature	10~30°C
CO2 display resolution	0.1%	Power supply	115V~230V±10%, 50~60Hz
CO2 supply	0.05~0.1MPa is recommended	Weight	112kg

C240PE 180°C High Heat Sterilization CO_2 Incubator

C240PE CO2 incubator adopts 6-sided direct heat control with temperature uniformity up to ±0.2°C; 180°C dry heat autoclaving function can achieve complete sterilization; infrared (IR) CO2 concentration detector for precise control; touch control panel can easily view historical data curves and export historical data with one click. Built-in HEPA air filtration system, which provides continuous protection against harmful airborne contaminants in the culture environment.

- Six-sided direct heat system
- 180°C high heat sterilization
- Temperature uniformity up to ±0.2°C
- HEPA air filters keep the air clean

Key Features

- 6-side direct heat system temperature uniformity ±0.2°C
- 180°C high temperature dry heat sterilization
- ISO Class 5 HEPA filtered airflow system
- Circulating airflow technology ensures uniformity of temperature and humidity
- 304 stainless steel cavity with rounded corners, beautiful and easy to clean
- Removable shelf holder, no additional tools required
- 5-inch LCD touch operation screen, simple and intuitive to operate, data exportable

Technical Details

Cat.No.	C240PE	Relative Humidity	Ambient humidity ~95% at 37°C
Control interface	5 inch LCD touch operation screen	HEPA filtration	ISO 5 level, 5 minutes
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Temperature display resolution	0.1°C		
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CO2 measurement principle	Infrared (IR) detection	Scalability	Up to 2 units can be stacked
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CO2 display resolution	0.1%	Power supply	115V~230V±10%, 50~60Hz
CO2 supply	0.05~0.1MPa is recommended	Weight	130kg

CO2 INCUBATOR ACCESSORIES TABLE

	Product name	Cat.No.
	CO2 Regulator	RD006CO2
	CO2 Cylinder Automatic Switcher	RCO2S
	Stainless Steel Stand With Rollers (For Incubators)	RD-ZJ6060W RD-Z]7070W RD-ZJ8570W

FOR SUSPENSION CELL SHAKING CULTURE

CELL CULTURE INCUBATOR SHAKER

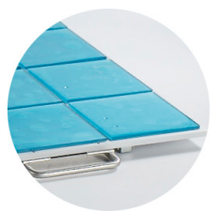
CS315
UV Sterilization Stackable CO_2 Incubator Shaker

CS315 is suitable for all types of cell culture, including CHO, hybridoma, mammalian cells, insect cells, etc. It is the most complete culture device for biological culture before entering fermenter culture. CS315 features unique bearing technology for stable start-up and virtually noiseless operation, even with multiple layers stacked without abnormal vibration. The unique air circulation system ensures a high degree of temperature field uniformity. It can be stacked up to 2 or 3 layers for more space-saving laboratory use.

- 7 inch LCD touch operation screen
- Door heating function
- Intelligent remote control function (optional)
- Built-in sliding blackout curtain
- Multi-UV sterilization system
- Rotation speed 2~300rpm

Key Features

- 7 inch LCD touch operation screen, simple and intuitive to operate
- Active humidity control function (optional)
- Built-in blackout curtain can be pushed and pulled easily to avoid light cultivation
- Intelligent remote control function (optional)
- Double glass doors for excellent insulation and safety
- Door heating function prevents fogging of the glass door
- Multi-UV sterilization system for better sterilization effect
- Environmentally friendly, odor-free sticky pad material
- All stainless steel rounded corners of the integrated cavity
- Machine operation is nearly silent, multi-layer stacked high-speed operation without abnormal vibration
- Heatless waterproof fan ensures uniformity of temperature
- Push-pull aluminum tray for easy placement of culture containers
- Flexible placement, stackable, effective in saving lab space
- Multi-safety design for user and sample safety



Technical Details

Cat.No.	CS315	Dimension (W×D×H)	1330×820×620mm (1 unit); 1330×820×1170mm (2 units); 1330×820×1720mm (3 units)
Control interface	7 inch LCD touch operation screen		
Rotation speed	2~300rpm depending on load and stacking	Internal dimension (W×D×H)	1050×730×475mm
		Volume	315L
Speed control accuracy	1rpm	Illumination	FI tube,30W
Shaking throw	50mm (Customization is available)	Principle of CO2 sensor	Infrared (IR)
Shaking motion	Orbital	CO2 control range	0-20%
Temperature control mode	PID control mode	CO2 display resolution	0.1%
Temperature control range	4~60°C	CO2 supply	0.05~0.1MPa is recommended
Temperature display resolution	0.1°C	Sterilization method	UV sterilization
Temperature distribution	±0.3°C at 37°C	Number of settable programs	5
Principle of temp. sensor	Pt-100	Number of stages per program	30
Power consumption max.	1300W	Data export interface	USB interface
Timer	0~999h	Historical data storage	800,000 messages
Tray size	520×880mm	User management	3 levels of user management: Administrator/Tester/Operator
Maximum working height	340mm (one unit)	Ambient temperature	5~35°C
Loading max.	50kg	Power supply	115/230V±10%, 50/60Hz
Tray capacity of shake flask	60×250ml or 40×500ml or 24×1000ml or 15×2000ml or 15×3000ml or 8×5000ml (standard with sticky pad)	Weight	220kg per unit
		Material incubation chamber	Stainless steel
		Material outer chamber	Painted steel
Maximum expansion	Stackable up to 3 units	Optional item	Sliding black window; Remote monitoring

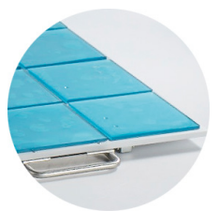
CS160
UV Sterilization Stackable CO₂ Incubator Shaker

CS160 is suitable for all types of cell culture, including CHO, hybridoma, mammalian cells, insect cells, etc. It is the most complete culture device for biological culture before entering fermenter culture. CS160 features unique bearing technology for stable start-up and virtually noiseless operation, even with multiple layers stacked without abnormal vibration. The unique air circulation system ensures a high degree of temperature field uniformity. It can be stacked up to 2 or 3 layers for more space-saving laboratory use.

- 7 inch LCD touch operation screen
- Door heating function
- Intelligent remote control function (optional)
- Built-in sliding blackout curtain
- Multi-UV sterilization system
- Rotation speed 2~300rpm

Key Features

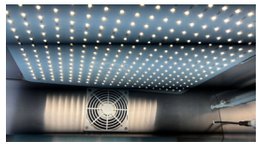
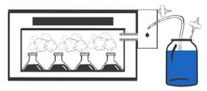
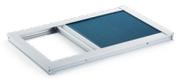
- 7 inch LCD touch operation screen, simple and intuitive to operate
- Active humidity control function (optional)
- Built-in blackout curtain can be pushed and pulled easily to avoid light cultivation
- Intelligent remote control function (optional)
- Double glass doors for excellent insulation and safety
- Door heating function prevents fogging of the glass door
- Multi-UV sterilization system for better sterilization effect
- Environmentally friendly, odor-free sticky pad material
- All stainless steel rounded corners of the integrated cavity
- Machine operation is nearly silent, multi-layer stacked high-speed operation without abnormal vibration
- Heatless waterproof fan ensures uniformity of temperature
- Push-pull aluminum tray for easy placement of culture containers
- Flexible placement, stackable, effective in saving lab space
- Multi-safety design for user and sample safety



Technical Details

Cat.No.	CS160	Dimension (W×D×H)	1000×725×620mm (1 unit); 1000×725×1170mm (2 units); 1000×725×1720mm (3 units)
Control interface	7 inch LCD touch operation screen		
Rotation speed	2~300rpm depending on load and stacking	Internal dimension (W×D×H)	720×632×475mm
		Volume	160L
Speed control accuracy	1rpm	Illumination	FI tube,30W
Shaking throw	50mm (Customization is available)	Principle of CO2 sensor	Infrared (IR)
Shaking motion	Orbital	CO2 control range	0-20%
Temperature control mode	PID control mode	CO2 display resolution	0.1%
Temperature control range	4~60°C	CO2 supply	0.05~0.1MPa is recommended
Temperature display resolution	0.1°C	Sterilization method	UV sterilization
Temperature distribution	±0.3°C at 37°C	Number of settable programs	5
Principle of temp. sensor	Pt-100	Number of stages per program	30
Power consumption max.	1300W	Data export interface	USB interface
Timer	0~999h	Historical data storage	800,000 messages
Tray size	590×465mm	User management	3 levels of user management: Administrator/Tester/Operator
Maximum working height	340mm (one unit)	Ambient temperature	5~35°C
Loading max.	35kg	Power supply	115/230V±10%, 50/60Hz
Tray capacity of shake flask	35×250ml or 24×500ml or 15×1000ml or 8×2000ml or 6×3000ml or 4×5000ml (standard with sticky pad)	Weight	155kg per unit
		Material incubation chamber	Stainless steel
		Material outer chamber	Painted steel
Maximum expansion	Stackable up to 3 units	Optional item	Sliding black window; Remote monitoring

INCUBATOR SHAKER ACCESSORIES TABLE

	Product name	Cat.No.
	Light Module For Incubator Shaker	RL-FS-4540 RL-RB-4540
	Humidity Control Module For Incubator Shaker	RH95
	Sliding Black Window	RBW700 RBW540
	Floor Stand For Incubator Shaker	RD-ZJ670M RD-ZJ670S RD-ZJ350M

FOR MICROBIAL SHAKING CULTURE

MICROBIAL CULTURE INCUBATOR SHAKER

MS315 UV Sterilization Stackable Incubator Shaker

MS315 stackable incubator shaker(with cooling function) inherits the high precision manufacturing process of MS series, and integrates many innovations in material process and control system. The large incubation space is ideal for large volume bacteria culture.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- One-piece clamps are safer

Key Features

- Push-button LED display, easy to operate and high stability
- Double-layer glass door to ensure excellent heat insulation and safety
- Brushed stainless steel rounded comers of the integrated cavity, beautiful and easy to clean
- Nearly silent machine operation, multi-layer stacking without movement
- One-piece molding clamps, stable and durable, effectively prevent unsafe events brought about by clamp breakage
- No heat waterproof fan, significantly reduce background heat, save energy
- Push-pull aluminum alloy tray never deformed, easy to place the culture flasks
- Waterproof design of the inner cavity of the incubator, easy to clean
- Flexible placement, stackable to 3 layers, effectively save the placement space

Technical Details

Cat.No.	MS315	Loading max.	50kg
Control interface	Push-button LED display	Tray capacity of shake flask	60×250ml or 40×500ml or 24×1000ml or 15×2000ml (standard with flask clamps, Various other holders are available)
Rotation speed	2~300rpm depending on load and stacking		
Speed control accuracy	1rpm	Maximum expansion	Stackable up to 3 units
Shaking throw	26mm (Customization is available)	Dimension (W×D×H)	1330×820×620mm (1 unit); 1330×820×1170mm (2 units); 1330×820×1720mm (3 units)
Shaking motion	Orbital		
Temperature control mode	PID control mode	Internal dimension (W×D×H)	1070×730×475mm
Temperature control range	4~60° C	Volume	315L
Temperature display resolution	0.1° C	Sterilization method	UV sterilization
Temperature distribution	±0.5° C at 37° C	Ambient temperature	5~35° C
Principle of temp. sensor	Pt-100	Power supply	115/230V±10%, 50/60Hz
Power consumption max.	1400W	Weight	220kg per unit
Timer	0~999h	Material incubation chamber	Stainless steel
Tray size	520×880mm	Material outer chamber	Painted steel
Maximum working height	340mm (one unit)	Optional item	Sliding black window

MS160 UV Sterilization Stackable Incubator Shaker

MS160 stackable incubator shaker(with cooling function) inherits the high precision manufacturing process of MS series, and integrates many innovations in material process and control system. The large incubation space is ideal for large volume bacteria culture.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- One-piece clamps are safer

Key Features

- Push-button LED display, easy to operate and high stability
- Double-layer glass door to ensure excellent heat insulation and safety
- Brushed stainless steel rounded comers of the integrated cavity, beautiful and easy to clean
- Nearly silent machine operation, multi-layer stacking without movement
- One-piece molding clamps, stable and durable, effectively prevent unsafe events brought about by clamp breakage
- No heat waterproof fan, significantly reduce background heat, save energy
- Push-pull aluminum alloy tray never deformed, easy to place the culture flasks
- Waterproof design of the inner cavity of the incubator, easy to clean
- Flexible placement, stackable to 3 layers, effectively save the placement space

Technical Details

Cat.No.	MS160	Loading max.	35kg
Control interface	Push-button LED display	Tray capacity of shake flask	35×250ml or 24×500ml or 15×1000ml or 8×2000ml (standard with flask clamps, Various other holders are available)
Rotation speed	2~300rpm depending on load and stacking		
Speed control accuracy	1rpm	Maximum expansion	Stackable up to 3 units
Shaking throw	26mm (Customization is available)	Dimension (W×D×H)	1000×725×620mm (1 unit); 1000×725×1170mm (2 units); 1000×725×1720mm (3 units)
Shaking motion	Orbital		
Temperature control mode	PID control mode	Internal dimension (W×D×H)	720×632×475mm
Temperature control range	4~60° C	Volume	160L
Temperature display resolution	0.1° C	Sterilization method	UV sterilization
Temperature distribution	±0.5° C at 37° C	Ambient temperature	5~35° C
Principle of temp. sensor	Pt-100	Power supply	115/230V±10%, 50/60Hz
Power consumption max.	1300W	Weight	155kg per unit
Timer	0~999h	Material incubation chamber	Stainless steel
Tray size	590×465mm	Material outer chamber	Painted steel
Maximum working height	340mm (one unit)	Optional item	Sliding black window

MS315T UV Sterilization Stackable Incubator Shaker

MS315T is a product of the RADOBIO shaker, which inherits the high precision manufacturing process of the MS315 and incorporates many innovations in the field of material technology and control system. The large available culture space provides more options for large volume vessel culture. The touch screen interactive interface is easy to operate and the operation data is traceable.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- One-piece clamps are safer

Key Features

- LCD touch operation screen, simple, intuitive and easy to operate
- Double-layer glass door to ensure excellent heat insulation and safety
- Brushed stainless steel rounded corners of the integrated cavity, beautiful and easy to clean
- Nearly silent machine operation, multi-layer stacking without movement
- One-piece molding clamps, stable and durable, effectively prevent unsafe events brought about by clamp breakage
- No heat waterproof fan, significantly reduce background heat, save energy
- Push-pull aluminum alloy tray never deformed, easy to place the culture flasks
- Waterproof design of the inner cavity of the incubator, easy to clean
- Flexible placement, stackable to 3 layers, effectively save the placement space
- Operation data can be recorded and exported, with traceability

Technical Details

Cat.No.	MS315T	Tray capacity of shake flask	60×250ml or 40×500ml or 24×1000ml or 15×2000ml (standard with flask clamps, Various other holders are available)
Control interface	7 inch LCD touch operation screen		
Rotation speed	2~300rpm depending on load and stacking	Maximum expansion	Stackable up to 3 units
		Dimension (W×D×H)	1330×820×620mm (1 unit); 1330×820×1170mm (2 units); 1330×820×1720mm (3 units)
Speed control accuracy	1rpm		
Shaking throw	26mm (Customization is available)	Internal dimension (W×D×H)	1070×730×475mm
Shaking motion	Orbital	Volume	315L
Temperature control mode	PID control mode	Sterilization method	UV sterilization
Temperature control range	4~60° C	Number of settable programs	5
Temperature display resolution	0.1° C	Number of stages per program	30
Temperature distribution	±0.5° C at 37° C	Data export interface	USB interface
Principle of temp. sensor	Pt-100	Historical data storage	250,000 messages
Power consumption max.	1400W	Ambient temperature	5~35° C
Timer	0~999h	Power supply	115/230V±10%, 50/60Hz
Tray size	520×880mm	Weight	220kg per unit
Maximum working height	340mm (one unit)	Material incubation chamber	Stainless steel
Loading max.	50kg	Material outer chamber	Painted steel
		Optional item	Sliding black window; Door heating function

MS160T UV Sterilization Stackable Incubator Shaker

MS160T is a product of the RADOBIO shaker, which inherits the high precision manufacturing process of the MS160 and incorporates many innovations in the field of material technology and control system. The large available culture space provides more options for large volume vessel culture. The touch screen interactive interface is easy to operate and the operation data is traceable.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- One-piece clamps are safer

Key Features

- LCD touch operation screen, simple, intuitive and easy to operate
- Double-layer glass door to ensure excellent heat insulation and safety
- Brushed stainless steel rounded corners of the integrated cavity, beautiful and easy to clean
- Nearly silent machine operation, multi-layer stacking without movement
- One-piece molding clamps, stable and durable, effectively prevent unsafe events brought about by clamp breakage
- No heat waterproof fan, significantly reduce background heat, save energy
- Push-pull aluminum alloy tray never deformed, easy to place the culture flasks
- Waterproof design of the inner cavity of the incubator, easy to clean
- Flexible placement, stackable to 3 layers, effectively save the placement space
- Operation data can be recorded and exported, with traceability

Technical Details

Cat.No.	MS160T	Tray capacity of shake flask	35×250ml or 24×500ml or 15×1000ml or 8×2000ml (standard with flask clamps, Various other holders are available)
Control interface	7 inch LCD touch operation screen		
Rotation speed	2~300rpm depending on load and stacking	Maximum expansion	Stackable up to 3 units
		Dimension (W×D×H)	1000×725×620mm (1 unit); 1000×725×1170mm (2 units); 1000×725×1720mm (3 units)
Speed control accuracy	1rpm		
Shaking throw	26mm (Customization is available)	Internal dimension (W×D×H)	720×632×475mm
Shaking motion	Orbital	Volume	160L
Temperature control mode	PID control mode	Sterilization method	UV sterilization
Temperature control range	4~60° C	Number of settable programs	5
Temperature display resolution	0.1° C	Number of stages per program	30
Temperature distribution	±0.5° C at 37° C	Data export interface	USB interface
Principle of temp. sensor	Pt-100	Historical data storage	250,000 messages
Power consumption max.	1300W	Ambient temperature	5~35° C
Timer	0~999h	Power supply	115/230V±10%, 50/60Hz
Tray size	590×465mm	Weight	155kg per unit
Maximum working height	340mm (one unit)	Material incubation chamber	Stainless steel
Loading max.	35kg	Material outer chamber	Painted steel
		Optional item	Sliding black window; Door heating function

MS350T UV Sterilization Stackable Incubator Shaker

MS350T is a product of RADOBIO shaker, it inherits the high precision manufacturing process of MS series, and collects many innovations in material process and control system. The available culture space has been enlarged to accommodate 3L or 5L shake flasks, customized for large volume culture.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- One-piece clamps are safer

Key Features

- LCD touch operation screen, simple, intuitive and easy to operate
- Extra large volume to accommodate 3L and 5L shake flasks
- Double-layer glass door to ensure excellent heat insulation and safety
- Brushed stainless steel rounded corners of the integrated cavity, beautiful and easy to clean
- Nearly silent machine operation, multi-layer stacking without movement
- One-piece molding clamps, stable and durable, effectively prevent unsafe events brought about by clamp breakage
- No heat waterproof fan, significantly reduce background heat, save energy
- Push-pull aluminum alloy tray never deformed, easy to place the culture flasks
- Waterproof design of the inner cavity of the incubator, easy to clean
- Flexible placement, stackable to 2 layers, effectively save the placement space
- Operation data can be recorded and exported, with traceability

Technical Details

Cat.No.	MS350T	Tray capacity of shake flask	60×250ml or 40×500ml or 24×1000ml or 15×2000ml or 11×3000ml or 6×5000ml (standard with flask clamps, Various other fixtures are available)
Control interface	7 inch LCD touch operation screen		
Rotation speed	2~300rpm depending on load and stacking	Maximum expansion	Stackable up to 2 units
Speed control accuracy	1rpm	Dimension (W×D×H)	1330×820×700mm (1 unit); 1330×820×1370mm (2 units)
Shaking throw	26mm (Customization is available)	Internal dimension (W×D×H)	1070×730×595mm
Shaking motion	Orbital	Volume	350L
Temperature control mode	PID control mode	Sterilization method	UV sterilization
Temperature control range	4~60° C	Number of settable programs	5
Temperature display resolution	0.1° C	Number of stages per program	30
Temperature distribution	±0.5° C at 37° C	Data export interface	USB interface
Principle of temp. sensor	Pt-100	Historical data storage	250,000 messages
Power consumption max.	1400W	Ambient temperature	5~35° C
Timer	0~999h	Power supply	115/230V±10%, 50/60Hz
Tray size	520×880mm	Weight	220kg per unit
Maximum working height	440mm (one unit)	Material incubation chamber	Stainless steel
Loading max.	50kg	Material outer chamber	Painted steel
		Optional item	Sliding black window; Door heating function

MS310T UV Sterilization Dual Tray Incubator Shaker

MS310T is a product of the RADOBIO shaker, it inherits the high precision manufacturing process of MS series, and collects many innovations in material process and control system. The large available culture space provides more options for large volume vessel culture. The touch screen interactive interface is easy to operate and the operation data is traceable.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- One-piece clamps are safer

Key Features

- The dual tray offers two shaking levels and doubles the capacity
- LCD touch operation screen, simple, intuitive and easy to operate
- Double-layer glass door to ensure excellent heat insulation and safety
- Brushed stainless steel rounded corners of the integrated cavity, beautiful and easy to clean
- Nearly silent machine operation, multi-layer stacking without movement
- One-piece molding clamps, stable and durable, effectively prevent unsafe events brought about by clamp breakage
- No heat waterproof fan, significantly reduce background heat, save energy
- Push-pull aluminum alloy tray never deformed, easy to place the culture flasks
- Waterproof design of the inner cavity of the incubator, easy to clean
- Operation data can be recorded and exported, with traceability

Technical Details

Cat.No.	MS310T	Dimension (W×D×H)	710×776×1080mm
Control interface	7 inch LCD touch operation screen	Internal dimension (W×D×H)	680×640×692 mm
Rotation speed	2~300rpm depending on load and stacking	Volume	310L
		Illumination	FI tube,30W
Speed control accuracy	1rpm	Sterilization method	UV sterilization
Shaking throw	26mm (Customization is available)	Number of settable programs	5
Temperature control mode	PID control mode	Number of stages per program	30
Temperature control range	4~60° C	Data export interface	USB interface
Temperature display resolution	0.1° C	Historical data storage	250,000 messages
Temperature distribution	±0.5° C at 37° C	Ambient temperature	5~35° C
Principle of temp. sensor	Pt-100	Power supply	115/230V±10%, 50/60Hz
Power consumption max.	1300W	Weight	160kg
Timer	0~999h	Material incubation chamber	Stainless steel
Tray size	500×500mm (dual tray)	Material outer chamber	Painted steel
Loading max.	35kg	Optional item	Sliding black window; Remote monitoring
Tray capacity of shake flask	(25×250ml or 16×500ml or 9×1000ml)×2 (standard with Interwoven springs, Other holders are available)		

MS70 UV Sterilization Stackable Incubator Shaker

MS70 stackable incubator shaker miniature design makes full use of the limited space in the laboratory, and can be placed under the laboratory table or on the laboratory table top, while maintaining a compact size equipped with a refrigeration system, providing a highly scalable temperature control range for culture and reaction, which can meet the needs of small amounts of culture.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- One-piece clamps are safer

Key Features

- Compact size and effective use of space, equipped with refrigeration system to effectively expand the culture temperature range
- Double-layer glass door to ensure excellent heat insulation and safety
- Brushed stainless steel rounded comers of the integrated cavity, beautiful and easy to clean
- Under-table height design, the incubator can be placed under the laboratory table, effective use of laboratory space
- Nearly silent machine operation, double-layer stacking without movement
- One-piece molding clamps, stable and durable, effectively prevent unsafe events brought about by clamp breakage
- No heat waterproof fan, significantly reduce background heat, save energy
- Waterproof design of the inner cavity of the incubator, easy to clean dir

Technical Details

Cat.No.	MS70	Loading max.	15kg
Control interface	Push-button LED display	Tray capacity of shake flask	16×250ml or 11×500ml or 7×1000ml or 5×2000ml (standard with Interwoven springs, Various other holders are available)
Rotation speed	2~300rpm depending on load and stacking		
Speed control accuracy	1rpm	Maximum expansion	Stackable up to 2 units
Shaking throw	26mm (Customization is available)	Dimension (W×D×H)	550×653×850mm (1 unit); 550×653×1660mm (2 units)
Shaking motion	Orbital		
Temperature control mode	PID control mode	Internal dimension (W×D×H)	460×562×495mm
Temperature control range	4~60° C	Volume	70L
Temperature display resolution	0.1° C	Sterilization method	UV sterilization
Temperature distribution	±0.5° C at 37° C	Ambient temperature	5~35° C
Principle of temp. sensor	Pt-100	Power supply	115/230V±10%, 50/60Hz
Power consumption max.	1000W	Weight	113kg per unit
Timer	0~999h	Material incubation chamber	Stainless steel
Tray size	370×400mm	Material outer chamber	Painted steel
Maximum working height	400mm (one unit)	Optional item	Sliding black window

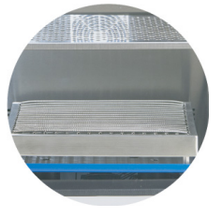
MS86 Multifunctional Stackable Incubator Shaker

MS86 multifunctional shaker incubator s compact design makes full use of the limited space under the table in the laboratory, while the clever design of the internal a layer of shaking culture and a layer of static culture not only expands the culture space, but also provides more options for users.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- One-piece clamps are safer

Key Features

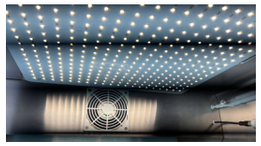
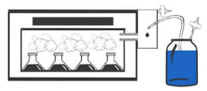
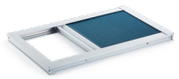
- Compact size and effective use of space, multifunction with the internal a layer of shaking culture and a layer of static culture
- Double-layer glass door to ensure excellent heat insulation and safety
- Brushed stainless steel rounded comers of the integrated cavity, beautiful and easy to clean
- Under-table height design, the incubator can be placed under the laboratory table, effective use of laboratory space
- Nearly silent machine operation, double-layer stacking without movement
- One-piece molding clamps, stable and durable, effectively prevent unsafe events brought about by clamp breakage
- No heat waterproof fan, significantly reduce background heat, save energy
- Waterproof design of the inner cavity of the incubator, easy to clean dir



Technical Details

Cat.No.	MS86	Loading max.	15kg
Control interface	Push-button LED display	Tray capacity of shake flask	16×250ml or 11×500ml or 7×1000ml or 5×2000ml (standard with Interwoven springs, Various other holders are available)
Rotation speed	2~300rpm depending on load and stacking		
Speed control accuracy	1rpm	Maximum expansion	Stackable up to 2 units
Shaking throw	26mm (Customization is available)	Dimension (W×D×H)	550×676×700mm (1 unit); 550×676×1350mm (2 units)
Shaking motion	Orbital		
Temperature control mode	PID control mode	Internal dimension (W×D×H)	460×480×500mm
Temperature control range	AT+5~60° C	Volume	86L
Temperature display resolution	0.1° C	Sterilization method	UV sterilization
Temperature distribution	±0.5° C at 37° C	Ambient temperature	5~35° C
Principle of temp. sensor	Pt-100	Power supply	115/230V±10%, 50/60Hz
Power consumption max.	800W	Weight	75kg per unit
Timer	0~999h	Material incubation chamber	Stainless steel
Tray size	370×400mm	Material outer chamber	Painted steel
Maximum working height	400mm (one unit)	Optional item	Sliding black window

INCUBATOR SHAKER ACCESSORIES TABLE

	Product name	Cat.No.
	Light Module For Incubator Shaker	RL-FS-4540 RL-RB-4540
	Humidity Control Module For Incubator Shaker	RH95
	Sliding Black Window	RBW700 RBW540
	Floor Stand For Incubator Shaker	RD-ZJ670M RD-ZJ670S RD-ZJ350M

FOR HIGH SPEED SHAKING CULTURE

HIGH SPEED INCUBATOR SHAKER

CS160HS High Speed Stackable CO_2 Incubator Shaker

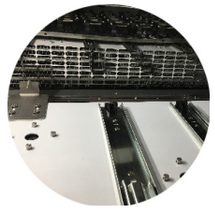
With an amplitude of 3 mm and an oscillation speed of up to 1000 rpm, the CS160HS is a special radobio model that is ideal for high-throughput microvolume deep-well plate cell culture of more than several thousand biological samples at a time, making it a powerful tool for optimal bioculture screening.It is suitable for all kinds of cell culture. Including CHO, hybridoma, mammalian cells, insect cells, etc. and can be used in 2 or 3 layers, which is more space-saving.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- High speed up to 1000 rpm
- Door heating function

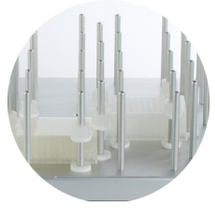
Key Features

- 7 inch LCD touch operation screen, simple and intuitive to operate

- With an amplitude of 3 mm and an oscillation speed of up to 1000 rpm
- Ideal for high-throughput microvolume deep-well plate cell culture
- Active humidity control function (optional)
- Built-in blackout curtain can be pushed and pulled easily to avoid light cultivation



- Intelligent remote control function (optional)
- Double glass doors for excellent insulation and safety
- Door heating function prevents fogging of the glass door
- Multi-UV sterilization system for better sterilization effect
- All stainless steel rounded comers of the integrated cavity,



- Heatless waterproof fan ensures uniformity of temperature,
- Flexible placement stackable, effective in saving lab space
- Multi-safety design for user and sample safety

Technical Details

Cat.No.	CS160HS	Dimension (W×D×H)	1000×725×620mm (1 unit); 1000×725×1170mm (2 units); 1000×725×1720mm (3 units)
Control interface	7 inch LCD touch operation screen		
Rotation speed	2~1000rpm depending on load and stacking	Internal dimension (W×D×H)	720×632×475mm
		Volume	160L
Speed control accuracy	1rpm	Illumination	FI tube,30W
Shaking throw	3mm	Principle of CO2 sensor	Infrared (IR)
Shaking motion	Orbital	CO2 control range	0~20%
Temperature control mode	PID control mode	CO2 display resolution	0.1%
Temperature control range	4~60° C	CO2 supply	0.05~0.1MPa is recommended
Temperature display resolution	0.1° C	Sterilization method	UV sterilization
Temperature distribution	±0.3° C at 37° C	Number of settable programs	5
Principle of temp. sensor	Pt-100	Number of stages per program	30
Power consumption max.	1300W	Data export interface	USB interface
Timer	0~999h	Historical data storage	800,000 messages
Tray size	288×404mm	User management	3 levels of user management: Administrator/Tester/Operator
Number of tray	2		
Maximum working height	340mm	Ambient temperature	5~35° C
Loading max.	15kg	Power supply	115/230V±10%, 50/60Hz
Tray capacity of microtiter plates	32 (deep well plate, low well plate, 24, 48 and 96 well plate)	Weight	155kg per unit
		Material incubation chamber	Stainless steel
Timing function	0~999.9hours	Material outer chamber	Painted steel
Maximum expansion	Stackable up to 3 units	Optional item	Sliding black window; Remote monitoring

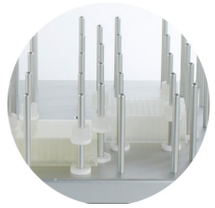
MS160HS High Speed Stackable Incubator Shaker

With an amplitude of 3 mm and an oscillation speed of up to 1000 rpm, the MS160HS is a special radobio model that is ideal for high-throughput microvolume deep-well plate microbial culture of more than several thousand biological samples at a time, making it a powerful tool for optimal bioculture screening.It is suitable for all kinds of microbial culture, and can be used in 2 or 3 layers, which is more space-saving.

- Waterproof fan without background heat
- Aluminum tray never deforms
- Ultra-quiet operation
- High speed up to 1000 rpm
- Door heating function

Key Features

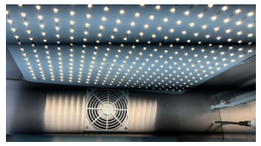
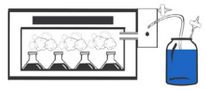
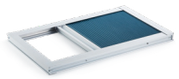
- 7 inch LCD touch operation screen, simple and intuitive to operate
- With an amplitude of 3 mm and an oscillation speed of up to 1000 rpm
- Ideal for high-throughput microvolume deep-well plate cell culture
- Active humidity control function (optional)
- Double glass doors for excellent insulation and safety
- Door heating function prevents fogging of the glass door
- UV sterilization system for better sterilization effect
- All stainless steel rounded comers of the integrated cavity,
- Heatless waterproof fan ensures uniformity of temperature,
- Flexible placement stackable, effective in saving lab space
- Multi-safety design for user and sample safety



Technical Details

Cat.No.	MS160HS	Maximum expansion	Stackable up to 3 units
Control interface	7 inch LCD touch operation screen	Internal dimension (W×D×H)	720×632×475mm
Rotation speed	2~1000rpm depending on load and stacking	Volume	160L
		Dimension (W×D×H)	1000×725×620mm (1 unit); 1000×725×1170mm (2 units); 1000×725×1720mm (3 units)
Speed control accuracy	1rpm		
Shaking throw	3mm	Internal dimension (W×D×H)	720×632×475mm
Shaking motion	Orbital	Volume	160L
Temperature control mode	PID control mode	Illumination	FI tube,30W
Temperature control range	4~60° C	Sterilization method	UV sterilization
Temperature display resolution	0.1° C	Number of settable programs	5
Temperature distribution	±0.3° C at 37° C	Number of stages per program	30
Principle of temp. sensor	Pt-100	Data export interface	USB interface
Power consumption max.	1300W	Historical data storage	800,000 messages
Timer	0~999h	User management	3 levels of user management: Administrator/Tester/Operator
Tray size	288×404mm		
Number of tray	2	Ambient temperature	5~35° C
Maximum working height	340mm	Power supply	115/230V±10%, 50/60Hz
Loading max.	15kg	Weight	145kg per unit
Tray capacity of microtiter plates	32 (deep well plate, low well plate, 24, 48 and 96 well plate)	Material incubation chamber	Stainless steel
		Material outer chamber	Painted steel
Timing function	0~999.9hours	Optional item	Sliding black window

INCUBATOR SHAKER ACCESSORIES TABLE

	Product name	Cat.No.
	Light Module For Incubator Shaker	RL-FS-4540 RL-RB-4540
	Humidity Control Module For Incubator Shaker	RH95
	Sliding Black Window	RBW700 RBW540
	Floor Stand For Incubator Shaker	RD-ZJ670M RD-ZJ670S RD-ZJ350M

FOR SAFETY AND PROTECTION

CLEAN BENCH AND BIOSAFETY CABINET

AG1000 Clean Bench (Single People/Single Side)

AG1000 clean workbench is equipped with new laminar flow technology to provide multi-faceted protection for your samples and processing processes. The ULPA filter used can make the cleanliness of the working area reach a safe level. In addition, it has the advantages of stable air speed, low noise, low energy consumption, and mobility, etc. It is widely used in biological, chemical and other scientific research and production units that need local clean and sterile working environment.

Technical Details

Cat.NO.	AG1000
Control interface	Push-button LED display
Cleanliness	ISO Class 5, Class 100
Noise level	≤ 62dB
Illumination	≥ 300LX
Power	250W
Size of working area(W1×D1×H1)	870×690×520 mm
Dimension(W×D×H)	1010×725×1625 mm
Sterilization method	UV sterilization
Ambient temperature	10~30° C
Mode of operation	Single people/single side
Power supply	115V~230V±10%, 50~60Hz
Weight	130kg

Key Features

- Provide UV sterilization, filter life visualization warning function
- Push-button LED display, can achieve three speed adjustment
- The work area surface is made of one-piece high quality stainless steel, which is corrosion resistant and easy to clean
- The front window is made of 5mm thick tempered glass and adopts roller type arbitrary positioning sliding door system, which is not easy to damage
- UV lamp can be set to open and close by appointment
- Lighting and sterilization system interlock function, with backup socket design, can be power failure protection function
- Glass sidewall design, wide field of view, good lighting, easy to observe
- Universal turning casters with braking device, flexible movement, convenient and reliable fixing

AG1500 Clean Bench (Double People/Single Side)

AG1500 clean workbench is equipped with new laminar flow technology to provide multi-faceted protection for your samples and processing processes. The ULPA filter used can make the cleanliness of the working area reach a safe level. In addition, it has the advantages of stable air speed, low noise, low energy consumption, and mobility, etc. It is widely used in biological, chemical and other scientific research and production units that need local clean and sterile working environment.

Technical Details

Cat.NO.	AG1500
Control interface	Push-button LED display
Cleanliness	ISO Class 5, Class 100
Noise level	≤ 62dB
Illumination	≥ 300LX
Power	500W
Size of working area(W1×D1×H1)	1360×690×520 mm
Dimension(W×D×H)	1500×725×1625 mm
Sterilization method	UV sterilization
Mode of operation	Double people/single side
Power supply	115V~230V±10%, 50~60Hz
Weight	170kg

Key Features

- Provide UV sterilization, filter life visualization warning function
- Push-button LED display, can achieve three speed adjustment
- The work area surface is made of one-piece high quality stainless steel, which is corrosion resistant and easy to clean
- The front window is made of 5mm thick tempered glass and adopts roller type arbitrary positioning sliding door system, which is not easy to damage
- UV lamp can be set to open and close by appointment
- Lighting and sterilization system interlock function, with backup socket design, can be power failure protection function
- Glass sidewall design, wide field of view, good lighting, easy to observe
- Universal turning casters with braking device, flexible movement, convenient and reliable fixing

AG1500D Clean Bench (Double People/Double Side)

AG1500D clean workbench is equipped with new laminar flow technology to provide multi-faceted protection for your samples and processing processes. The ULPA filter used can make the cleanliness of the working area reach a safe level. In addition, it has the advantages of stable air speed, low noise, low energy consumption, and mobility, etc. It is widely used in biological, chemical and other scientific research and production units that need local clean and sterile working environment.

Technical Details

Cat.NO.	AG1500D
Control interface	Push-button LED display
Cleanliness	ISO Class 5, Class 100
Noise level	≤ 62dB
Illumination	≥ 300LX
Power	500W
Size of working area(W1×D1×H1)	1360×690×520 mm
Dimension(W×D×H)	1500×725×1625 mm
Sterilization method	UV sterilization
Mode of operation	Double people/double side
Power supply	115V~230V±10%, 50~60Hz
Weight	170kg

Key Features

- Provide UV sterilization, filter life visualization warning function
- Push-button LED display, can achieve three speed adjustment
- The work area surface is made of one-piece high quality stainless steel, which is corrosion resistant and easy to clean
- The front window is made of 5mm thick tempered glass and adopts roller type arbitrary positioning sliding door system, which is not easy to damage
- UV lamp can be set to open and close by appointment
- Lighting and sterilization system interlock function, with backup socket design, can be power failure protection function
- Glass sidewall design, wide field of view, good lighting, easy to observe
- Universal turning casters with braking device, flexible movement, convenient and reliable fixing

AS1300 Biosafety Cabinet (A2)

AS1300 is a Class II, Type A2 biological safety cabinet that saves time, energy and money, its feature outstanding design and advanced technology, such as unique airflow design for better protection, excellent ergonomics for a safe and comfortable environment, and outstanding energy efficiency to reduce operating costs.

- 7-inch LCD touch operation screen
- Intelligent air volume compensation system
- Appointment UV sterilization function
- High quality ULPA filter

Key Features

- Tilt front window design, bright and low noise work area
- The front window glass can be cleaned inside and outside, leaving no hygiene corners
- Mobile operating surface, equipped with stainless steel lifting handle and support frame, more convenient for cleaning and maintenance
- Splash-proof safety sockets on the inner wall of the work area, more flexible in use
- Unique value and power-off memory function
- High quality ULPA filter and unique technology of 'leakage blocking' ensure the air cleanliness to ISO level 4

Technical Details

Cat.No.	AS1300	Max Consumption(with spare socket)	1.65KW
Filtration efficiency	≥ 99.9995%, @0.12μm	Rated Power(without spare socket)	0.33KW
Air supply and exhaust filters	ULPA filters	Internal Dimensions	1180×580×798mm
Air Cleanliness	ISO 4 Class	External Dimension	1300×810×2290mm
Execution standards	YY0569(GB 4793.1、GB/T 18268.1)	Support base (with wheel)	1285×710×680mm
Down flow velocity	0.35m/s	Size and Qty. of Light	18W×1
Inflow velocity	0.55m/s	Size and Qty. of UV Light	20W×1
Noise level	<65 dB	Lumin.	≥ 900LX
Vibration	<5μm (center of tabletop)	Cabinet Materials	High-grade steel and lacquered in ivory
Personnel Protection	A.Total colony in impaction sampler <10CFU./time B. Total colony in slot sampler <5CFU./time	Working Area Materials	SS304 fully finished
		Air Direction	Top out
Product Protection	Total colony in culture dish <5CFU./time	Power supply	115/230V±10%, 50/60Hz
Cross-contamination Protection	Total colony in culture dish <2CFU./time	Weight	265kg

AS1500 Biosafety Cabinet (A2)

AS1500 is a Class II, Type A2 biological safety cabinet that saves time, energy and money, its feature outstanding design and advanced technology, such as unique airflow design for better protection, excellent ergonomics for a safe and comfortable environment, and outstanding energy efficiency to reduce operating costs.

- 7-inch LCD touch operation screen
- Intelligent air volume compensation system
- Appointment UV sterilization function
- High quality ULPA filter

Key Features

- Tilt front window design, bright and low noise work area
- The front window glass can be cleaned inside and outside, leaving no hygiene corners
- Mobile operating surface, equipped with stainless steel lifting handle and support frame, more convenient for cleaning and maintenance
- Splash-proof safety sockets on the inner wall of the work area, more flexible in use
- Unique value and power-off memory function
- High quality ULPA filter and unique technology of 'leakage blocking' ensure the air cleanliness to ISO level 4

Technical Details

Cat.No.	AS1500	Max Consumption(with spare socket)	1.65KW
Filtration efficiency	⩾ 99.9995%, @0.12μm	Rated Power(without spare socket)	0.33KW
Air supply and exhaust filters	ULPA filters	Internal Dimensions	1380×580×798mm
Air Cleanliness	ISO 4 Class	External Dimension	1500×810×2290mm
Execution standards	YY0569(GB 4793.1、GB/T 18268.1)	Support base (with wheel)	1485×710×670mm
Down flow velocity	0.35m/s	Size and Qty. of Light	18W×1
Inflow velocity	0.55m/s	Size and Qty. of UV Light	20W×1
Noise level	<65 dB	Lumin.	⩾ 900LX
Vibration	<5μm (center of tabletop)	Cabinet Materials	High-grade steel and lacquered in ivory
Personnel Protection	A.Total colony in impaction sampler <10CFU./time B. Total colony in slot sample	Working Area Materials	SS304 fully finished
		Air Direction	Top out
Product Protection	Total colony in culture dish <5CFU./time	Power supply	115/230V±10%, 50/60Hz
Cross-contamination Protection	Total colony in culture dish <2CFU./time	Weight	308kg

AS1800 Biosafety Cabinet (A2)

AS1800 is a Class II, Type A2 biological safety cabinet that saves time, energy and money, its feature outstanding design and advanced technology, such as unique airflow design for better protection, excellent ergonomics for a safe and comfortable environment, and outstanding energy efficiency to reduce operating costs.

- 7-inch LCD touch operation screen
- Intelligent air volume compensation system
- Appointment UV sterilization function
- High quality ULPA filter

Key Features

- Tilt front window design, bright and low noise work area
- The front window glass can be cleaned inside and outside, leaving no hygiene corners
- Mobile operating surface, equipped with stainless steel lifting handle and support frame, more convenient for cleaning and maintenance
- Splash-proof safety sockets on the inner wall of the work area, more flexible in use
- Unique value and power-off memory function
- High quality ULPA filter and unique technology of 'leakage blocking' ensure the air cleanliness to ISO level 4

Technical Details

Cat.No.	AS1800	Max Consumption(with spare socket)	1.65KW
Filtration efficiency	⩾ 99.9995%, @0.12μm	Rated Power(without spare socket)	0.33KW
Air supply and exhaust filters	ULPA filters	Internal Dimensions	1680×580×798mm
Air Cleanliness	ISO 4 Class	External Dimension	1800×810×2290mm
Execution standards	YY0569(GB 4793.1、GB/T 18268.1)	Support base (with wheel)	1800×710×645mm
Down flow velocity	0.35m/s	Size and Qty. of Light	18W×1
Inflow velocity	0.55m/s	Size and Qty. of UV Light	20W×1
Noise level	<65 dB	Lumin.	⩾ 900LX
Vibration	<5μm (center of tabletop)	Cabinet Materials	High-grade steel and lacquered in ivory
Personnel Protection	A.Total colony in impaction sampler <10CFU./time B. Total colony in slot sample	Working Area Materials	SS304 fully finished
		Air Direction	Top out
Product Protection	Total colony in culture dish <5CFU./time	Power supply	115/230V±10%, 50/60Hz
Cross-contamination Protection	Total colony in culture dish <2CFU./time	Weight	375kg