verulam Scientific Ltd

Analytical and Life Science Specialists

LIFE SCIENCE CATALOGUE

Welcome to the First Edition of Verulam Scientific Ltd's Life Science Catalogue

We are proud to present this collection of high-quality products to support researchers, analysts, and innovators across the life sciences. Whether you are working at the bench, leading a diagnostic team, or advancing industrial R&D, our mission remains the same: to provide equipment solutions to your specific needs, fully supported by our technical specialists and service engineers.

The launch of our Life Sciences range of products reflects our continued commitment to providing innovative solutions to our customers through our trusted partnerships with leading manufacturers.

At Verulam Scientific, we are more than just a supplier. Our experienced team of experts are here to support you - from product selection and sourcing, to troubleshooting and implementation. With over 15 years of service to UK and Irish laboratories, we know that responsive, informed support can make all the difference.

Thank you for placing your trust in us. We look forward to continuing to support your work and enabling further discovery into the future.

With best wishes,

Ken Rirsch

Managing Director

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Company Profile

Service Brochure

How to order

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The Coriolis range of biological air samplers has been developed by Bertin Technologies to be more efficient than traditional indoor or outdoor air quality monitoring systems. The air samplers are based on cyclonic technology which efficiently collects the biological particles of the air whatever their nature: bacteria, viruses, pollen, etc.

Bertin Coriolis+

The Coriolis+ portable biological air sampler is a standard for testing air quality.

Both indoors and outdoors, it's the most efficient biological air sampler: It can take just 10 minutes to collect airborne particles using its cyclonic technology paired with a high suction rate. By generating samples in the fluid phase, Coriolis+ is compatible with rapid microbiological analysis methods.

For sampling periods requiring more than 10 minutes the optional Long Term Monitoring device is available.

This option allows air sampling to be done over an extended period of time (from 1 minute to 6 hours of collection) while maintaining the collection liquid volume at a constant rate over the entire sampling period.

Specifications	
Weight	2.8 kg (with battery)
Dimensions (W x D x H)	220 x 330 x 360 mm
Air Flow rate	100 to 300 L/min
Collection Time	1 - 10 min
Collected Particle Sizes	>0.5 µm
Liquid Output Volume	15 mL
Autonomy on Battery	2 hours

Ordering Details	
P001080-CORM0-B	Coriolis+ Air Sampler
S001097-CORM0-A.0	Long time Monitoring option for Coriolis+
Accessories	
S001093-CORM0-A.0	Battery NiMH
C29200000019A.0	Battery NiMH charger
C29200000018A.0	Power supply
Consumables	
S001107-CORM0-A.0	Cones - (x 10)
S001109-CORM0-A.0	Sterile cones - (x 5)
S001111-CORM0-A.0	Cones - (x 50) Minimum order of x 3 packs
S001112-CORM0-A.0	Sterile cones - (x 50) Minimum order of x 3 packs
S001113-CORM0-A.0	Collection liquid doses sterile (x 50)
S001114-CORM0-A.0	Collection liquid in bottle 250 mL
S001115-CORM0-A.0	Tubing kit

Bertin Coriolis Compact

The Coriolis Compact is a dry Cyclonic air sampler able to operate up to 8 hours.

The Coriolis Compact portable biological air sampler monitors indoor or outdoor air quality.

Light, compact and ergonomic, it is the ultimate all-terrain microbiological air sampler.

Its cyclonic technology collects biological particles.

Specifications	
Weight	1.4 kg
Dimensions (H x W x D)	255 x 135 x 130 mm
Air Flow rate	50 L/min
Collected Particle Sizes	500 nm to 10 mm
Temperature Range	+5 °C to and 45 °C with a humidity level from 10% to 90%
Autonomy on Battery	8 hours
Autonomy on Battery	2 hours

Ordering Details	
P002055-CORC0-A.0	Coriolis® Compact air sampler
Accessories	
S002284-CORC0-A.0	Shoulder straps & clips
S002399-CORC0-A.0	Charger UK
S002083-CORC0-A.0	Ruggedised shipment box
Consumables	
P002280-CORC0-A.0	Cones* & air intake - (x 10)
S002345-CORC0-A.0	Sterile cones* & air intake - (x 10)
**Cones are provided with caps*	

To extract the molecules of interest (extraction of RNA, DNA, proteins, metabolites, etc.) from biological samples, sample preparation procedures generally include a tissue homogenisation or cell disruption step. The Precellys® homogenisers from Bertin Health & Life Sciences use bead-beating technology to homogenise biological samples, such as human, animal or plant tissues, or to lyse micro-organisms. In this way, the biological samples are ground via multi-directional movement (3D bead-beating), the speed of which can reach up to 10,000 rotations per minute, depending on the equipment.

Bertin Precellys® Evolution Touch

The Precellys Evolution Touch is the most advanced tissue homogeniser that boasts exceptional efficiency and versatility, making it suitable for all types of sample preparation requirements.

It can be used to homogenise any biological sample, whether animal, human, or plant, irrespective of whether the tissue is hard or soft.

Based on the multi directional movement of the beads in the tubes, 3D bead-beating homogenisation is the most efficient and reproducible method in comparison to classical ones (mortar & pestle, sonication, blenders, high-pressure homogenisers).

Specifications	
Weight	60 lb/27 kg
Dimensions (L x W x H)	378 x 515 x 400 mm (632 mm with open lid)
Capacity	8 to 96 wells, 300 µL 1 to 24 tubes, 2mL/0.5 mL 1 to 12 tubes, 7 mL 1 to 6 tubes, 15 mL 1 to 3 tubes, 50 mL 1 to 6 metal tubes
Speed Range	4,500 rpm to 10,000 rpm (increment by 100 rpm)
Locking System	Automatic tubes locking system – patented
Programs	The software allows users to save an unlimited number of protocols
Number of Cycles	Up to 10
Cycle Time	Up to 90 sec (increment by 1 sec)
Power Requirement	90 – 250 VAC / 50-60 Hz, Power: 1 kVA
Noise	<70 dB

Ordering Details	
P002511-PEVT0-A.0	Precellys® Evolution Touch
Accessories	
P002274-PEVT0-A.0	2 mL holder pack for Precellys Evolution Touch
P000911-PEVT0-A.0	7 mL holder pack for Precellys Evolution Touch
P000810-PEVT0-A.0	15 mL holder pack for Precellys Evolution Touch
S002275-PEVO0-A.0	Metal tube holder pack for Precellys Evolution Touch
S002276-PEVO0-A.0	96WP holder pack V2 for Precellys Evolution
P002474-PEVT0-A.0	50 mL holder pack for Precellys Evolution

Bertin Cryolys® Evolution

Cryolys Evolution is a patented cooling system compatible with the Precellys Evolution tissue homogeniser.

It prevents thermo-sensitive samples from heat degradation during homogenisation process.

Based on dry ice sublimation, it enhances the efficiency of molecular extraction, resulting in premium quality analysis, maintaining the desired temperature between 0 and 10 °C before and during the tissue homogenisation.

Specifications	
Weight	Full unit: 2.6 kg/5.7 lb
Dimensions (L x W x H)	335 x 335 x 100 mm
Capacity	Detachable cooling module: 1.3 kg/2.8 lb
Space Requirement	1.5 kg/3.3 lb of dry ice
Dry Ice Consumption	Height over bench: 700 mm
Requirement	Depth of the bench: 700 mm
Noise	1.5 kg/3.3 lb for 30 min (run time)

Ordering Details	
P000671-CLYS2-A.0	Cryolys® Evolution

Bertin Precellys® 24 Touch

Precellys® 24 Touch is the ideal laboratory instrument to homogenise any kind of biological sample, from the softest to the hardest, regardless of its origin (animal tissues, plant tissues, microorganisms etc).

It can treat up to 24 samples at a time and has been validated on more than 1,500 different samples: from brain, muscle and heart samples to very hard material such as bones, hair and seeds.

Specifications	
Weight	23 kg / 51 lb
Dimensions (L x W x H)	287 x 408 x 390 mm, (515 mm with opened lid)
Capacity	1 to 24 tubes of 2 mL, 1 to 24 tubes of 0.5 mL
Speed Range	4,500 rpm to 6,800 rpm (by increments of 100 rpm)
Programs	The software allows users to save an unlimited number of protocols
Number of Cycles	Up to 10
Cycle Time	Up to 90 s
Pause Between Cycles	120 s
Power Requirement	90 – 250 VAC / 50 - 60 Hz, Power: 1 kVA
Noise	<70 dB

Ordering Details	
P002391-P24T0-A.0	Precellys® 24 Touch

Bertin Precellys® Minilys

The Minilys is a compact and flexible tissue homogeniser to meet particular sample preparation needs for all laboratories working with biological samples.

Especially designed to offer optimal grinding, lysing and homogenising efficiency.

Minilys can handle 3 x 2 mL/0.5 mL tubes or 1 x 7 mL tube to process any type of samples.

With its manual locking system, the Minilys is an easy-to-use laboratory instrument and is ideal for daily lab workflow.

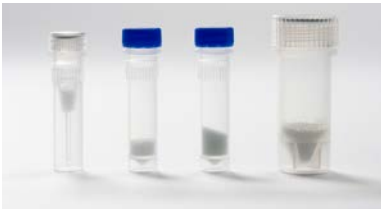
Specifications	
Weight	17 lb / 7 kg
Dimensions (L x W x H)	180 x 290 x 380 mm
Capacity	1 – 3 x 2 mL, 0.5 mL tubes
Speed Range	3000, 4000 & 5000 rpm
Locking System	Manual (no screw-in system)
Cycle Time	5 s to 240 s
Power Requirement	100 – 230 VAC / 50 - 60 Hz / Power 1 kVA
Noise	<70 dB
Power Requirement	<60 dB
Noise	Automatic tubes locking system – patented
	The software allows users to save an unlimited number of protocols
	Up to 10
	Up to 90 sec (increment by 1sec)
	90 – 250 VAC / 50 - 60 Hz, Power: 1 kVA
	<70 dB

Ordering Details	
P000673-MLYS0-A.0	Precellys® Minilys

Precellys® Lysing Kits

Efficient and high-quality homogenisation of tissues is essential before analysing molecules of interest.

Precellys Lysing Kits are specifically designed by Bertin Instruments to be used with Precellys tissue homogenisers.



Ordering Details		
2 mL Lysing kits (50 prefilled tubes)		
P000910-LYSK1-A.0	Hard tissue grinding MK28	2.8 mm stainless steel beads
P000911-LYSK1-A.0	Hard tissue homogenising CK28	2.8 mm ceramic beads
P000912-LYSK1-A.0	Soft tissue homogenising CK14	1.4 mm ceramic beads
P000933-LYSK0-A.0	Soft tissue homogenising CK14_0.5mL	1.4 mm ceramic beads
P000913-LYSK1-A.0	Tough micro-organism lysing VK05	0.5 mm glass beads
P000934-LYSK0-A.0	Tough micro-organism lysing VK05_0.5mL	0.5 mm glass beads
P000914-LYSK1-A.0	Micro-organism lysing VK01	0.1 mm glass beads
P000915-LYSK1-A.0	Soil grinding SK38	0.1 mm glass beads 1.4 mm ceramic beads 1 glass bead of 4.0 mm
P000918-LYSK1-A.0	Tissue homogenising CKMix	1.4 mm & 2.8 mm ceramic beads
P000919-LYSK1-A.0	Bacteria lysing CK01	0.1 mm ceramic beads
2mL Reinforced Lysing kits (50 prefilled tubes)		
P000916-LYSK0-A.0	Hard tissue homogenising CK28-R	2.8 mm ceramic beads
P000917-LYSK0-A.0	Hard tissue grinding MK28-R	2.8 mm stainless steel beads
P000922-LYSK0-A.0	Tissue grinding CKMix50-R	2.8 mm & 5.0 mm ceramic beads
P000923-LYSK0-A.0	Dry hard tissue grinding CK68-R	6.8 mm ceramic beads
P000924-LYSK0-A.0	Sample grinding GK60	0.7 mm garnet flakes, 1 mm ceramic beads
2mL Protein Safe Lysing kits (50 prefilled tubes)		
P000972-LYSK0-A.0	Protein Safe Hard tissue homogenising CK28-R	2.8 mm ceramic beads
P000973-LYSK0-A.0	Protein Safe Soft tissue homogenising CK14	1.4 mm ceramic beads
7mL Lysing kits (50 prefilled tubes)		
P000935-LYSK0-A.0	Tissue homogenising CK28_7mL	2.8 mm ceramic beads
P000936-LYSK0-A.0	Soil grinding SK38_7mL	0.1 mm glass beads 1.4 mm ceramic beads 1 glass bead of 4.0 mm
P000937-LYSK0-A.0	Micro-organism lysing VKMix_7mL	0.1 mm & 0.5 mm glass beads
P000938-LYSK0-A.0	Micro-organism lysing CK01_7mL	0.1 mm ceramic beads
P000939-LYSK0-A.0	Tissue grinding CKMix50_7mL	2.8 mm & 5.0 mm ceramic beads
P000940-LYSK0-A.0	Soft tissue homogenising CK14_7mL	1.4 mm ceramic beads
15 mL Lysing kits (25 prefilled tubes)		
P000947-LYSK0-A.0	Hard tissue homogenising CK28_15mL	2.8 mm ceramic beads
P000961-LYSK0-A.0	Tough Micro-organism lysing VK05_15mL	0.5 mm glass beads
P000948-LYSK0-A.0	Bacteria lysing CK01_15mL	0.1 mm ceramic beads
P000949-LYSK0-A.0	Tissue grinding CKMix50_15mL	2.8 mm & 5.0 mm ceramic beads
P000950-LYSK0-A.0	Dry hard tissue grinding CK68_15mL	6.8 mm ceramic beads

Ordering Details		
50 mL Lysing kits (20 prefilled tubes)		
P002475-LYSK0-A.0	50 mL Precellys Lysing kit VK01	0.1 mm glass beads
P002478-LYSK0-A.0	50 mL Precellys Lysing kit CK28	2.8 mm ceramic beads
P002476-LYSK0-A.0	50 mL Precellys Lysing kit CKMix50	2.8 mm & 5.0 mm ceramic beads
Prefilled 96 well-plate (1 kit = 1 prefilled plate) To be used with WP holder pack for Precellys Evolution (S002276-PEVO0-A.0)		
P002136-LYSK0-A	Tough micro-organism lysing VK05_WP	0.5 mm glass beads
P002137-LYSK0-A	Soft tissue homogenising CK14_WP	1.4 mm ceramic beads

Tissue dissociation refers to the process of separating cells from tissue by breaking down biological tissues into individual living cells for research and experimental purposes, including single-cell analysis, cell culture, purification of certain cell populations, and the generation of primary cell lines.

Precellys Multi-Tissue Dissociation Kit

The Precellys Multi-Tissue Dissociation Kit developed by Bertin Technologies is an innovative and patented designed to obtain viable single cells from biological samples for research purposes.

It enables high-quality single cells to be obtained from complex tissues such as mouse spleen, liver, lung, heart, and thymus and opens the door to downstream single cell analysis, such as flow cytometry or NGS.

Ordering Details	
D05717.20ea	Precellys Multi-Tissue Dissociation Kit
D30717.20ea	Precellys Dissociation tubes

Preparation of high-quality emulsions is a critical step to successfully generate specific antibodies.

Precelly's Emulsion Kits

The Precelly's Emulsion kits offer a reliable and rapid method to generate injectable antigen or antibody high-quality emulsions in only 2 minutes with the Precellys Homogenisers.

Ordering Details	
D34200.10ea	Precellys Emulsion kits by 10 tubes

ELISA KITS

Biomarkers are powerful tools for drug development and for the discovery of new active compounds in cosmetics, food and agriculture industries.

Bertin offer a comprehensive range of best-in-class analysis tools dedicated to biomarkers:

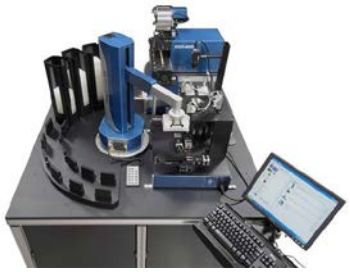
- Established and exclusive biomarkers
- Ready to use assay kits
- Best in class assays

Ordering Details		
A05120.96 wells	20-Hydroxyecdysone ELISA kit	Miscellaneous
A05481.96 wells	CGRP (human) ELISA kit	Inflammation
A05482.96 wells	CGRP (rat) ELISA kit	Inflammation
A05890.96 wells	Histamine ELISA kit	Inflammation
A05306.96 wells	Acylated Ghrelin (human) Easy Sampling ELISA kit	Obesity & Diabetes
A05317.96 wells	Acylated Ghrelin (mouse, rat) Easy Sampling ELISA kit	Obesity & Diabetes
A05318.96 wells	Unacylated Ghrelin (mouse, rat) Easy Sampling ELISA kit	Obesity & Diabetes
A05319.96 wells	Unacylated Ghrelin (human) Easy Sampling ELISA kit	Obesity & Diabetes
A05320.96 wells	Unacylated Ghrelin (dog) Easy Sampling ELISA kit	Obesity & Diabetes
A05321.96 wells	Acylated Ghrelin (dog) Easy Sampling ELISA kit	Obesity & Diabetes
A05401.96 wells	Acylated Ghrelin (pig) ELISA kit	Obesity & Diabetes
A05402.96 wells	Unacylated Ghrelin (pig) ELISA kit	Obesity & Diabetes
A05106.384 wells	Acylated Ghrelin (human) 384w ELISA kit	Obesity & Diabetes
A05106.96 wells	Acylated Ghrelin (human) Express ELISA kit	Obesity & Diabetes
A05117.96 wells	Acylated Ghrelin (mouse, rat) Express ELISA kit	Obesity & Diabetes
A05118.96 wells	Unacylated Ghrelin (mouse, rat) Express ELISA kit	Obesity & Diabetes
A05119.96 wells	Unacylated Ghrelin (human) Express ELISA kit	Obesity & Diabetes
ANTIBODIES		
A03890.200 µg	Histamine Monoclonal Antibody	
A03200.200 µg	Prion Protein Monoclonal Antibody - Pri 308	
A03202.200 µg	Prion Protein Monoclonal Antibody - SAF 32	
A03203.200 µg	Prion Protein Monoclonal Antibody - SAF 53	
A03204.200 µg	Prion Protein Monoclonal Antibody - SAF 54	
A03205.200 µg	Prion Protein Monoclonal Antibody - SAF 61	
A03206.200 µg	Prion Protein Monoclonal Antibody - SAF 70	
A03207.200 µg	Prion Protein Monoclonal Antibody - SAF 83	
A03208.200 µg	Prion Protein Monoclonal Antibody - SAF 84	
A03209.200 µg	Prion Protein Monoclonal Antibody - BAR 210	
A03211.200 µg	Prion Protein Monoclonal Antibody - BAR 224	
A03212.200 µg	Prion Protein Monoclonal Antibody - 11C6	
A03213.200 µg	Prion Protein Monoclonal Antibody - Sha31	
A03220.200 µg	Prion Protein Monoclonal Antibody - 8G8	
A03221.200 µg	Prion Protein Monoclonal Antibody - 12F10	
A03222.200 µg	Prion Protein Monoclonal Antibody - BAR 221	
A03223.200 µg	Prion Protein Monoclonal Antibody - BAR 233	
A03224.200 µg	Prion Protein Monoclonal Antibody - BAR 236	
A03225.200 µg	Prion Protein Monoclonal Antibody - 2G11	
A03481.200 µg	CGRP (human, rat) Monoclonal Antibody - Clone 83	
A03483.200 µg	CGRP (human, rat) Monoclonal Antibody - Clone 72	

This is a selected range of kits and antibodies.
For a comprehensive list please contact us at enquiries@verulamscientific.com

Hudson's RapidPick™ Colony Picking Systems are the only fully automated high-throughput microbial colony picking workcells. They deliver performance and precision unparalleled in the Life Science industry. These systems are meticulously designed to streamline colony picking processes in life science research, offering exceptional capabilities.

RapidPick Complete Colony Picker



The ultimate solution for automated colony picking with Hudson's RapidPick™ Complete Colony Pickers. These fully automated high throughput workcells offer unparalleled performance and precision, revolutionizing colony picking processes in the life science industry.

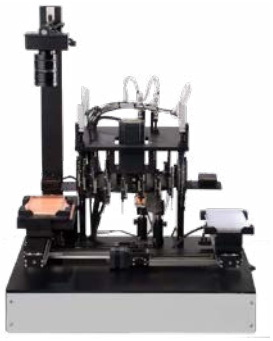
The Complete version of the system contains the multi-pin picking unit (RapidPick MP), along with a PlateCrane robotic arm, 10 microplate stacks, a Micro10x media dispenser, an adhesive plate sealer and a stand-alone enclosure.

Upgrades include optional UV and HEPA filtration, GFP fluorescence colony picking, Halo detection and a LiCONiC automated shaking incubator.

Specifications	
Picking Speed	>2400 colonies/h
Dimensions (W x D x H)	430 x 530 x 690 mm
Applications	Plasmid Prep, Oligo Gene Assembly, Transformation Purification QC Prep, QC Prep
Imaging	White light and fluorescence, customizable wavelength
Colony Selection Criteria	User spec min/max diameter, elongation, intensity (amplitude), conformity, separation, agar depth
Pins	20 Tungsten-Pin rotary System
Tray Types	Pick from: SBS compatible omni-trays Segmented colony plates 24-well, 96-well and 384-well plates Petri dishes Inoculate to: SBS compatible omni-trays 24-well, 96-well and 384-well deep well and standard height plates

Ordering Details	
350100	RapidPick MP Complete Colony Picking Workcell
900123	Pins for RapidPick MP (set of 20)

RapidPick MP 20 Pin Colony Picker



The RapidPick MP is the fastest, most accurate automated multi-pin colony picking system in the world with over 99% inoculation rates and typical speeds of picking over 2,400 bacterial colonies per hour.

The small footprint saves lab space, allows for easy cleaning and fits into anaerobic chambers for microbiota research and biosafety hoods.

The RapidPick MP is at the heart of the Complete and Lite systems which include robotic plate loading, media filling as well as other features, such as plate sealing in the RapidPick Complete Workcell.

The RapidPick MP is intended for researchers who need the accuracy and high outgrowth rates of the RapidPick colony-picker, but whose workload doesn't require the added automation available in the Complete or Lite systems.

Specifications	
Picking Speed	2500 colonies/h
Dimensions (W x D x H)	737 x 457 x 711 mm
Applications	Plasmid Prep, Oligo Gene Assembly, Transformation Purification QC Prep, QC Prep
Imaging	White light and fluorescence, customizable wavelength
Colony Selection Criteria	User spec min/max diameter, elongation, intensity (amplitude), conformity, separation, agar depth
Pins	20 Tungsten-Pin rotary System
Tray Types	Pick from: Nunc™ Omnitray™ SBS plates, including: 1, 6, 8, 24, 48 and 96-well plates Inoculate to: SBS 1, 24, 96, 384, 1536 deep well and standard height microplates

Ordering Details	
350200	RapidPick MP Base Unit
900123	Pins for RapidPick MP (set of 20)

RapidPick SP Single Pin Colony Picker

The RapidPick SP is a single-pin version of Hudson's widely acclaimed RapidPick multi-pin colony-picker and re-arrayer.

Like the RapidPick and RapidPick Lite, the RapidPick SP has all the features needed by users in today's molecular biology environment.

The RapidPick SP has been designed to meet the needs of labs that need automated colony-picking and accurate data-handling, but whose throughput needs can be met by its medium-throughput productivity, typically 250 colonies per hour.

The RapidPick SP fits easily on most lab benchtops and is ideal for use in microbiome research picking inside anaerobic chambers. The RapidPick SP colony Picker is also perfect for microbiota research in Coy Chambe

Specifications	
Picking Speed	250 colonies/h
Dimensions (W x H x D)	600 x 740 x 482 mm
Applications	Plasmid Prep Oligo Gene Assembly Transformation Purification QC Prep QC Prep
Imaging	White light and fluorescence, customizable wavelength
Colony Selection Criteria	User spec min/max diameter, elongation, intensity (amplitude), conformity, separation, agar depth
Pins	Single tungsten pin
Tray Types	Pick from: NUNC omni-trays ANSI/SLAS footprint microplates Petri dishes Inoculate to: ANSI/SLAS format shallow and deep well plates 24-well, 96-well and 384-well formats

Ordering Details	
900140	RapidPick SP
900141	Pins for RapidPick SP (set of 5)

Hudson's automated liquid handling systems are designed to streamline laboratory work flows offering precision and adaptability for a wide range of applications. Whether as standalone units or integrated into larger workstations, these systems excel in automating both small and large volume experiments, accommodating various labware types from microplates to bottles. Their compact design allows them to fit seamlessly into standard lab settings, including fume hoods and biosafety cabinets, while minimizing errors and maximizing efficiency in complex liquid handling protocols.

With intuitive software integration and compatibility with over 200 third-party lab instruments, Hudson systems ensure comprehensive data tracking and regulatory compliance. Through user-friendly interfaces and guided operation technology, technicians can execute protocols seamlessly, even when encountering unfamiliar tasks.

SOLO Liquid Handler

The Hudson SOLO™ is an innovative automated pipettor, or liquid handling robot, designed to streamline liquid handling processes in research, pharmaceutical, and clinical laboratories. With its low cost, flexibility, and user-friendly interface, the SOLO offers unparalleled convenience and efficiency in pipetting tasks.

Available in single, 8, and 12 channel pipette options, the SOLO automated pipetting robot can be programmed to do anything expected of a hand-held pipettor, with greatly improved precision.

The SOLO can be loaded and operated manually, but is also compatible with robotic arms such as Hudson's PlateCrane EX.

Specifications	
Weight	23 kg
Dimensions (H x W x D)	610 x 750 x 500 mm (4 microplate position SOLO)
Dispensing	Single channel: 1 µL to 10 µL; optional pump assembly for bulk dispensing 8 & 12 channel: 1 - 10 µL pipette head: 5 – 200 µL pipette head: 20 – 1000 µL pipette head
Plate Format	SBS standard footprint, any well configuration; enquire about custom nests
Tubes, Flasks and Vials	Any format
Housing Material	Stainless steel main deck: painted steel upper arm covers over machined aluminium structural components
Arm Mechanism	Horizontal Travel/Vertical Stroke: x = 570 mm; y = 240 mm; z = 100 mm
Computer Interface	RS-232 serial cable
Precision	20-200 µL CV 200 µL CV <5%
Speed	Average timings based on filling each well of a 96 well plate with 5 µL of liquid, one well at a time: Aspirate from a reservoir (Same point each time) 1.43 min Copy plate – well by well with no tip changes 6.18 min Copy plate – well by well with 96 tip changes 29.04 min

Ordering Details	
800240-4	SOLO with 4 Deck Positions
800240-6	SOLO with 6 Deck Positions
800240-8	SOLO with 8 Deck Positions
800240-10	SOLO with 10 Deck Positions
800240-12	SOLO with 6 Deck Positions
800220-FX	Single-channel SOLO Pipette Assembly: 100 mL syringe capacity
800221-FX	Single-channel SOLO Pipette Assembly: 200 mL syringe capacity
800226	Single-channel SOLO Pipette Assembly: 200 mL syringe capacity, extended length to reach sample in 15 mL and 50 mL tubes.
800222-FX	Single-channel SOLO Pipette Assembly: 1 mL (1000 mL) syringe capacity
800284-FX	Eight-channel SOLO Pipette Assembly: 50 mL syringe capacity
800281-FX	Eight-channel SOLO Pipette Assembly: 200 mL syringe capacity
800286-FX	Eight-channel SOLO Pipette Assembly: 1 mL syringe capacity
800283-FX	Twelve-channel SOLO Pipette Assembly: 200 mL syringe capacity
800288-FX	Twelve-channel SOLO Pipette Assembly: 50 mL syringe capacity
800287-FX	Twelve-channel SOLO Pipette Assembly: 1 mL syringe capacity

Micro 10x Microplate Reagent Dispenser

Micro 10x Microplate Reagent Dispenser offers compact 8- and 12-channel high-throughput, accurate bulk reagent dispensing for microplates or racks of 96 tubes. It never needs calibration because its ceramic, positive-displacement pump head is factory-calibrated and does not wear.

The leading competitors require frequent calibration and the purchase of replacement dispensing cassettes. Micro10x Microplate Reagent Dispenser dispenses volumes down to approximately 10 µL per channel and provides features to ensure a clean, full dispense of various liquids.

The Micro10x Microplate Reagent Dispenser can be loaded and operated with the touchpad provided but is also fully compatible with our SoftLinx™ Lab Automation Software and robotic plate loader systems, such as our PlateCrane EX™.

Specifications	
Dimensions (W x D x H))	178 x 101 x 401 mm
Configuration	Available in both landscape (12-nozzle dispensing) and portrait (8-nozzle dispensing) style
Sterilisation	A fully autoclavable liquid path
Typical Dispense Times for an Entire Plate	15 s - 96 well plate, 100 µL per well 24 s - 384 well plate, 25 µL per well
Dispense Volumes	5 µL and up - <3% CV 2 - 5µL - <5% CV
Calibration	Holds factory calibration for >50 million cycles

Ordering Details	
500110	Micro10x Robotic Dispenser
MEC-1543	Dispense manifold, 8-channel
MEC-1544	Dispense manifold, 12-channel
MCF1-18000-01	Micro10x Pump - additional pump for simultaneous dispense of a second fluid
500205-2	Micro10x 2-way fluid valve option: up to 2 different reagent reservoirs; RS-232 control
500205-3	Micro10x 3-way fluid valve option: up to 3 different reagent reservoirs; RS-232 control
500205-4	Micro10x 4-way fluid valve option: up to 4 different reagent reservoirs; RS-232 control
500205-6	Micro10x 6-way fluid valve option: up to 6 different reagent reservoirs; RS-232 control
500205-8	Micro10x 8-way fluid valve option: up to 8 different reagent reservoirs; RS-232 control
500207	Micro10x 10-way fluid valve option: up to 10 different reagent reservoirs; RS-232 control

Manual pH meters require constant attention with manual washing and data recording, all leading to possible experimental errors. Automated pH meters allow automated measurements with automatic washing and data recording.

Rapid_pH™

The Rapid_pH Robotic pH Meter is designed to measure the pH of aqueous samples in microplates, tubes, and vials in an SBS plate format.

Automated pH measurement frees up time for other important tasks and increases throughput of pH measurement. Automation assures consistency of results and includes probe calibration.

The pH measurement range is from 0.0 to 14.0 +/- 0.05.

Different models are available for temperature compensation,viscous samples and 21CFR Part 11 compliance.

Specifications	
Dimensions (W x D x H)	560 x 620 x 500 mm
Weight	11 kg
Air	40 - 60 psi clean, dry air or N2
Computer Interface	USB or Ethernet
Accuracy	+/- 0.05 pH
Measurement Range	0.0 – 14.0 pH
pH Probes	Single or 4-probe

Ordering Details	
860100	Rapid_pH Automated pH Measurement Instrument
860150	Rapid_pH Automated pH Measurement Instrument for Viscous Samples with Power Wash
860200	Rapid_pH Automated pH Measurement Instrument with heated nest
860105	2-Well static wash bath
NPN	CFR-21 Part 11 Compliance Software- must be purchased with Rapid_pH unit

Hudson Robotics' automated microplate handlers are expertly designed for High Throughput Screening (HTS) applications, enabling the precise movement of SBS-standard microtiter™ plates within a workstation. These systems adeptly handle the placement and retrieval of microplates from stacks and nests within a variety of other devices, including liquid handlers, microplate readers, and incubators, crucial for life science research.

The automated microplate handlers seamlessly integrate with a wide range of third-party lab instruments. Which allows for the creation of automated work cells that can handle various applications and protocols, regardless of their complexity, enhancing efficiency and precision in laboratory settings.

PlateCrane EX Robotic Arm

The PlateCrane EX Robotic Arm Microplate Handler is an affordable,flexible option for automating any plate handling task.

Equipped with SoftLinx software suite, it can be configured to serve one or multiple microplate-compatible instruments.

The PlateCrane EX is optimized for loading and unloading automated laboratory instruments, such as microplate readers, scanners and flow cytometers, microplate washers, robotic liquid handlers, barcode print & apply devices, colony pickers, automatable centrifuges, and reagent dispensers.

It is widely used in assay development, cell biology, biassay validation, DNA quantification, PCR setup and cleanup, and medium-throughput assays.

Specifications	
Dimensions (H)	740 mm
Weight	20.5 kg (without stacks)
Arm Motion	345° horizontal rotation
Horizontal Reach	305 – 457 mm
Vertical Reach	Maximum 578 mm from bench, 457 mm vertical travel distance
Operating Temperature and Humidity	150 °C to 40 °C; 0 to 85%, non-condensing
Computer Interface	RS232

Ordering Details	
280200	PlateCrane EX Robotic Arm Microplate Handler

PlateCrane SciClops

With a 40% larger work envelope than the PlateCrane EX, the SciClops has unlimited rotation and handles any ANSI SLAS-standard microplate, including 96, 384, 1536-well, deep-well blocks and tips.

It is the ideal extended-reach solution for automating plate-handling in the lab for ELISAs, cellular assays, Synthetic biology and sample preparations and purifications.

Specifications	
Dimensions (H)	711 – 740 mm
Weight	20.5 kg (without stacks)
Arm Motion	360° horizontal rotation
Horizontal Reach	265 – 500 mm
Vertical Reach	Maximum 578 mm from bench, 457 mm vertical travel distance
Operating Temperature and Humidity	15 °C to 40 °C; 0 to 85%, non-condensing
Computer Interface	USB

Ordering Details	
280500	PlateCrane SciClops

The Auto-Pure series uses magnetic-bead technology to lyse samples, bind nucleic acids, and purify them through automated magnetic capture, transfer, and washing. With suitable beads and reagents, it rapidly extracts nucleic acids from tissues, blood, and other body fluids.

Auto-Pure 96

Auto-Pure 96 nucleic acid purification system adopts magnetic bead separation technology, using 96 deep-well plates.

With 8 plate positions, 2 of which can be used for heating and precise temperature control, DNA and RNA can be quickly extracted.

Specifications	
Dimensions (W x D x H)	560 x 620 x 500 mm
Throughput	1 – 96 samples
Process Volume	50 – 1000 µL
Process Time	30 - 60 min
Principle/Working Mode	Magnetic bead method, magnetic rod type/circular rotary table type
Weight	54 kg
Purification Accuracy	100 copy sample positive rate >95%
Stability	CV <5%
Collection Efficiency	>95%
Internal Program	Preset 8 programs, max store 100 programs
Extension Interface	Standard USB port

Ordering Details	
AS-17060-00	Auto-Pure 96 Nucleic Acid Purification System
Consumables	
AS-17061-01	Tip comb for Auto-Pure 96, 50 pieces
AS-17061-02	96-Deepwell plate for Auto-Pure 96, 50 pieces
AS-17061-03	96-Elution plate for Auto-Pure 96, 100 pieces

Auto-Pure24D

The single machine operation with 7-inch colour touch screen display makes the Auto-Pure 24D easy to use for high nucleic acid extraction yield.

The magnetic bead extraction method and UV sterilisation function reduces contamination risk and ensures exceptional repeatability.

With a maximum processing volume of 10ml, the Auto-Pure 24D is ideal for researchers with a small number of samples.

The patented design method for left and right mixing is especially suitable for cfDNA extraction, nucleic acid sample library construction, blood nucleic acid screening, and nucleic acid hypersensitivity detection.

Specifications	
Dimensions (W x D x H)	400 x 520 x 450 µm
Throughput	1 – 24 samples
Process Volume	50 – 10000 µL/ 50 – 5000 µL
Principle/Working Mode	Magnetic bead method, magnetic rod method/up and down mixing, left and right mixing
Process Time	15 - 30 min
Weight	30 kg
Purification Accuracy	100 copy sample positive rate >95%
Stability	CV <5%
Collection Efficiency	>95%
Internal Program	Preset 8 programs, max store 100 programs
Extension Interface	4 standard USB port, Ethernet port, Wi-Fi, built-in SD card

Ordering Details	
AS-17150-00	Auto-Pure24D Nucleic Acid Purification System
Consumables	
AS-17151-01	10 mL Tube strips for Auto-Pure24D
AS-17151-02	Magnetic rod tip for Auto-Pure24D
AS-17151-03	5 mL Tube strips for Auto-Pure24D

Allsheng offers a range of centrifuges to suit different laboratories and applications. From mini centrifuges for low sample capacity to high-speed centrifuges, up to 15,000 rpm, and microplate centrifuges for samples in standard well plate formats.

Mini Centrifuge – Mini - 6KC

The mini-6KC low speed centrifuge with composite shell is small, light and easy to carry.

The maximum speed of 6,000 rpm/4,000 rpm can be selected to meet the needs of laboratory reagent mixing and sample instant centrifugation.

It includes 2 types of rotors which run automatically when the lid is close and stops when the lid is open.

Specifications	
Weight	2.8 kg (with battery)
Dimensions (D × W × H)	135 × 147 × 107 mm
Capacity	8 x 1.5/2.0 mL rotor & 4 x 8 x 0.2 mL strip rotor
Speed Options	4000 rpm & 6000 rpm
Maximum Relative Centrifugal Field	1,200 x g (4,000 rpm) 2,000 x g (6,000 rpm)

Ordering Details	
AS-08020-00	Mini-6KC centrifuge

Mini Centrifuge – Mini - 6KS

The Mini-6KS low speed centrifuge with a "three-in-one" design rotor for high capacity and time saving centrifugation; no need to change rotors between samples.

Specifications	
Weight	0.7 kg
Dimensions (D × W × H)	135 x 147 x 120 mm
Capacity	6 x 1.5/2.0 mL, 6 x 0.5 mL tubes and 2 x 8 x 0.2 mL PCR Strip rotor
Speed Options	4000 rpm & 6000 rpm
Maximum Relative Centrifugal Field	1,200 x g (4,000 rpm)
	2,000 x g (6,000 rpm)

Ordering Details	
AS-08030-00	Mini-6KS centrifuge

Mini Centrifuge – Mini - 6K/7K/10K

The Mini - 6K/7K/10K low-speed centrifuges with streamlined designed, colourful shell and maximum speed of 6000 rpm / 7000 rpm / 10,000 rpm respectively, meet the needs of laboratory reagent mixing and instant centrifugation.

Specifications	Mini-6K	Mini-7K	Mini-10K
Weight	0.7 kg	0.7 kg	0.7 kg
Dimensions (D × W × H)	135 x 147 x 107 mm	135 x 147 x 107 mm	135 x 147 x 107 mm
Power Requirement	30 W	30 W	40 W
Capacity	6 x 1.5/2.0 mL rotor & 2 x 8 x 0.2 mL rotor	6 x 1.5/2.0 mL rotor & 2 x 8 x 0.2 mL rotor	6 x1.5/2.0 mL rotor
Speed	6000 rpm	7000 rpm	10,000 rpm
Maximum Relative Centrifugal Field	2000 x g	2300 x g	5000 x g

Ordering Details	
AS-08060-00	Mini-6K
AS-08070-00	Mini-7K
AS-08080-00	Mini-10K

High Speed Centrifuge — iCen-24

The iCEN-24 high speed centrifuge with interchangeable rotors and adaptors allows for molecular biology applications in 0.2 mL, 0.5 mL, 1.5 mL, 2.0 mL, 5.0 mL and PCR tubes up to 15,000 rpm (21,400 × g). The soft brake function protects sensitive samples.

At the end of a run the lid opens automatically preventing sample warming and allowing easy access to the samples.

Specifications	
Weight	14 kg (with one rotor)
Dimensions (W × D × H)	260 × 410 × 225 mm
Capacity	24 × 1.5 mL /2.0 mL rotor
Speed	500 - 15,000 rpm (increment 100 rpm)
Maximum Relative Centrifugal Field	21400 x g
Maximum Power	350 W
Acceleration and Deceleration Time (Soft brake off)	≤15 s
Acceleration and Deceleration Time (Soft brake on)	45 s
Maximum Rotor Diameter	85 mm
Timer	1 s - 99 min 59 s (short-spin)

Ordering Details	
AS-08120-00	CEN-24 high speed centrifuge
Accessories	
AS-08121-01	24 x 1.5 mL / 2.0 mL rotor
AS-08121-02	4 - 8 x 0.2 mL PCR strip rotor
AS-08121-03	12 x 5 mL rotor
AS-08041-01	Adapters for 0.5 mL tubes
AS-08041-02	Adapters for 0.2 mL tubes

Microplate Centrifuge – MPC-P25

The MPC-P25 microplate centrifuge adopts a unique horizontal rotor design (patented) that takes microplates or centrifuge tubes from an inclined position to the horizontal position by centrifugal force, to ensure rapid release of hanging wall droplets.

Specifications	
Weight	3.6 kg
Dimensions (W × D × H)	290 x 360 x 140 mm
Capacity	2 pcs PCR plates / Elisa plates / 8 x 0.2 mL PCR strip tubes / 0.2 mL PCR tubes
Speed	2200 rpm
Maximum Relative Centrifugal Field	480 x g
Time Setting	0 – 10 min

Ordering Details	
AS-08090-00	MPC-P25 mini-plate centrifuge
Accessories	
AS-08091-01	Adapter for PCR plates with skirt and without skirt
AS-08091-02	Adapter for 8 × 0.2 mL strip or 0.2 mL PCR tubes

Superior temperature control incubators with or without mixing capabilities, plus easy-to-use software, ensures complete, reliable, and reproducible experimental results. All models feature a 4.3-inch touch screen, high stability at maximum mixing speed and multiple block choices to meet various experimental needs.

Dry Bath Incubator – MK-3000

The MK-3000 Dry Bath Incubator offers precise heating and cooling control with optional ThermoLid to prevent condensation.

With automatic smart recognition the Allsheng MateB series blocks can be easily changed to meet experimental requirements.

Specifications	
Weight	≤7 kg (including blocks)
Dimensions (W × D × H)	220 × 318 × 154 mm
Type	Heating/Cooling
Temperature Control	- 10 °C - 105 °C
Time Setting	99 hours 59 min / 99 min 59 s
Temperature Control Accuracy @20 °C - 50 °C	± 0.5 °C
Temperature Uniformity @20 °C - 50 °C	± 0.5 °C
Display Accuracy	0.1 °C
Heating Time 20 °C - 100 °C	≤10 min
Cooling Time 100 °C - 20 °C	≤10 min
Program Number	50
Cycle Number	99
Block Identification Function	Yes
Maximum Power	200 W

Ordering Details	
AS-01280-00	Dry Bath Incubator (Heating/Cooling)
Accessories	
AS-02081-01	MateB 0.5 mL (24 × 0.5 mL tube)
AS-02081-02	MateB 1.5 mL (24 × 1.5 mL tube)
AS-02081-03	MateB 2.0 mL (24 × 2.0 mL tube)
AS-02081-04	MateB 0.5 mL + 1.5mL (15 × 0.5 mL + 20 × 1.5 mL tube)
AS-02081-05	MateB 5.0 mL (8 × 5.0 mL tube)
AS-02081-06	MateB 12 mm (24 × 12 mm tube)
AS-02081-08	MateB Cryo (24 x 1.5 mL / 2.0 mL cryovial)
AS-02081-09	MateB 15 mL (8 × 15 mL tube)
AS-02081-10	MateB 50 mL (4 × 50 mL tube)
AS-02081-11	MateB Plate-1 (96 x 0.2 mL microplate)
AS-02081-12	MateB Plate-2 (96 x 2 mL deep well plate)
AS-02081-13	MateB PCR 96 (96 x 0.2 mL PCR plate)
AS-02081-14	MateB PCR 384 (384-well PCR Plate)
AS-02081-15	MateB DWP 500 (96 / 500 µL deep well plate)
AS-02081-16	MateB DWP 1000 (96 / 1000 µL deep well plate)
AS-02081-17	MateB L-Lid (L-Lid transparent lid (low), suitable for MateB 0.5 mL, 1.5 mL, 2.0 mL,5 mL, Plate-1, Plate-2, PCR96 and PCR384)
AS-02081-18	MateB H-Lid (H-Lid transparent lid (high), suitable for MateB DWP 500 / 1000)
AS-02081-26	ThermoLid

Thermo Shaker Incubator MS-3000

The MS-3000 offers excellent mixing performance with heating capability and easy-to-use software function to ensure complete, reliable and repeatable experimental results.

With the Allsheng MateB series blocks and automatic block recognition, multiple experimental requirements can be met.

Specifications	
Weight	≤9 kg (including blocks)
Dimensions (W × D × H)	220 × 318 × 154 mm
Type	Heating/Mixing
Temperature Control	Room Temperature +5 °C - 105 °C
Time Setting	99 hours 59 min / 99 min 59 s
Temperature Control Accuracy @20 °C - 50 °C	± 0.5 °C
Temperature Uniformity @20 °C - 50 °C	± 0.5 °C
Display Accuracy	0.1 °C
Heating Time 20 °C - 100 °C	≤15 min
Mixing Speed	100 - 3000 rpm (according to block used)
Mixing Orbit	3 mm
Program Number	50
Cycle Number	99
Block Identification Function	Yes
Maximum Power	200 W
Thermolid	Optional
Thermo lid Temperature Range	Room Temperature + 5 °C - 110 °C
Port	USB (program related); 4-pin plug (thermo lid related)

Ordering Details	
AS-02090-00	Thermo Shaker Incubator (Heating/Mixing)
Accessories	
AS-02081-01	MateB 0.5 mL (24 × 0.5 mL tube)
AS-02081-02	MateB 1.5 mL (24 × 1.5 mL tube)
AS-02081-03	MateB 2.0 mL (24 × 2.0 mL tube)
AS-02081-04	MateB 0.5 mL + 1.5 mL (15 × 0.5 mL + 20 × 1.5 mL tube)
AS-02081-05	MateB 5.0 mL (8 × 5.0 mL tube)
AS-02081-06	MateB 12 mm (24 × 12 mm tube)
AS-02081-08	MateB Cryo (24 x 1.5 mL / 2.0 mL cryovial)
AS-02081-09	MateB 15 mL (8 × 15 mL tube)
AS-02081-10	MateB 50 mL (4 × 50 mL tube)
AS-02081-11	MateB Plate-1 (96 x 0.2 mL microplate)
AS-02081-12	MateB Plate-2 (96 x 2 mL deep well plate)
AS-02081-13	MateB PCR 96 (96 x 0.2 mL PCR plate)
AS-02081-14	MateB PCR 384 (384-well PCR Plate)
AS-02081-15	MateB DWP 500 (96 / 500 µL deep well plate)
AS-02081-16	MateB DWP 1000 (96 / 1000 µL deep well plate)
AS-02081-17	MateB L-Lid (L-Lid transparent lid (low), suitable for MateB 0.5 mL, 1.5 mL, 2.0 mL, 5 mL, Plate-1, Plate-2, PCR96 and PCR384)
AS-02081-18	MateB H-Lid (H-Lid transparent lid (high), suitable for MateB DWP 500 / 1000)
AS-02081-26	ThermoLid

Thermo Shaker Incubator MSC-3000

The MSC-3000 Shaker Incubator offers heating and cooling capability with excellent mixing performance.

The easy-to-use software function ensures complete, reliable and repeatable experimental results.

Specifications	
Weight	≤10 kg (including blocks)
Dimensions (W × D × H)	220 × 318 × 154 mm
Type	Heating/Cooling/Mixing
Temperature Control	0 °C - 105 °C
Time Setting	99 hours 59 min / 99 min 59 s
Temperature Control Accuracy @20 °C - 50 °C	± 0.5 °C
Temperature Uniformity @20 °C - 50 °C	± 0.5 °C
Display Accuracy	0.1 °C
Heating Time 20 °C - 100 °C	≤15 min
Cooling Time 100 °C - 20 °C	≤15 min
Cooling Time 25 °C - 4 °C	≤20 min
Cooling Time 20 °C - 0 °C	≤20 min
Mixing Speed	100 - 3000 rpm (according to block used)
Mixing Orbit	3 mm
Program Number	50
Cycle Number	99
Block Identification Function	Yes
Maximum Power	200 W
Thermolid	Optional
Thermo lid Temperature Range	Room Temperature + 5 °C - 110 °C
Port	USB (program related); 4-pin plug (thermo lid related)

Ordering Details	
AS-02080-00	MSC-3000 Thermo Shaker Incubator (Heating/Cooling/Mixing)
Accessories	
AS-02081-01	MateB 0.5 mL (24 × 0.5 mL tube)
AS-02081-02	MateB 1.5 mL (24 × 1.5 mL tube)
AS-02081-03	MateB 2.0 mL (24 × 2.0 mL tube)
AS-02081-04	MateB 0.5 mL + 1.5mL (15 × 0.5 mL + 20 × 1.5 mL tube)
AS-02081-05	MateB 5.0 mL (8 × 5.0 mL tube)
AS-02081-06	MateB 12 mm (24 × 12 mm tube)
AS-02081-08	MateB Cryo (24 x 1.5 mL / 2.0 mL cryovial)
AS-02081-09	MateB 15 mL (8 × 15 mL tube)
AS-02081-10	MateB 50 mL (4 × 50 mL tube)
AS-02081-11	MateB Plate-1 (96 x 0.2 mL microplate)
AS-02081-12	MateB Plate-2 (96 x 2 mL deep well plate)
AS-02081-13	MateB PCR 96 (96 x 0.2 mL PCR plate)
AS-02081-14	MateB PCR 384 (384-well PCR Plate)
AS-02081-15	MateB DWP 500 (96 / 500 µL deep well plate)
AS-02081-16	MateB DWP 1000 (96 / 1000 µL deep well plate)
AS-02081-17	MateB L-Lid (L-Lid transparent lid (low), suitable for MateB 0.5 mL, 1.5 mL, 2.0 mL, 5 mL, Plate-1, Plate-2, PCR96 and PCR384)
AS-02081-18	MateB H-Lid (H-Lid transparent lid (high), suitable for MateB DWP 500 / 1000)
AS-02081-26	ThermoLid

Allsheng Orbital Shakers are powerful variable speed shakers with efficient orbital motion. Speed and time are microprocessor controlled and are suitable for multiple laboratories including microbiology, chemistry, immunology, biochemistry and molecular biology.

Orbital Shaker – OS-100

The OS-100 orbital shaker has a compact and simple design, with maximum shaking speed of 250rpm and a 20mm shaking orbit.

With options for different platforms the OS-100 can be used for a variety of applications.

Specifications	
Maximum Capacity	2.5 kg
Dimensions (L × W × H)	280 × 270 × 110 mm
Timer Range	1 min - 99 h 59 min
Shaking Speed	50 - 250 rpm
Orbit	20 mm
Operating Temperature	4 °C - 45 °C

Ordering Details	
AS-04020-00	Orbital Shaker OS-100
Accessories	
AS-04021-01	PP-1, flat platform with non-slip rubber mat
AS-04021-02	PP12-100, platform with clamps for flasks, 100 - 150 mL
AS-04021-03	PP06-250, platform with clamps for flasks, 250 - 300 mL
AS-04021-04	UP-1, universal platform with adjustable bars for different types of flasks, bottles
AS-04021-05	MP-1, platform with springs

Orbital Shaker – OS-200

The OS-200 orbital shaker has a compact and simple design, with maximum shaking speed of 300 rpm and a 10 mm shaking orbit.

With a 3 kg capacity the OS-200 is appropriate for a wide range of laboratories.

Specifications	
Maximum Capacity	3 kg
Dimensions (L × W × H)	280 × 270 × 110 mm
Timer Range	1 min - 99 h 59 min
Shaking Speed	50 - 300 rpm
Orbit	10 mm
Operating Temperature	4 °C - 45 °C

Ordering Details	
AS-04030-00	Orbital Shaker OS-200
Accessories	
AS-04021-01	PP-1, flat platform with non-slip rubber mat
AS-04021-02	PP12-100, platform with clamps for flasks, 100 - 150 mL
AS-04021-03	PP06-250, platform with clamps for flasks, 250 - 300 mL
AS-04021-04	UP-1, universal platform with adjustable bars for different types of flasks, bottles
AS-04021-05	MP-1, platform with springs

Microplate readers detect biological, chemical or physical events of samples in microtiter plates, typically 96-well. The Allsheng range of high-quality light absorption microplate readers are based on optical filters with a wavelength range of 340 nm - 750 nm. Fast reading speed, results in rapid measurement, providing high accuracy and good reproducibility of measurement results.

Microplate Reader – AMR-100

AMR-100 is a high-quality light absorption microplate reader based on a filter, with a wavelength range of 340 nm - 750 nm.

Each reader is supplied with 4 standard filters: 405 nm, 450 nm, 492 nm, and 630 nm.

Optional filters are available to extend the wavelength range.

The instrument is suitable for scientific research and clinical applications using 96 well plates. Data and programs can be stored in the instrument or exported by USB drive.

Specifications	
Weight	10 kg
Dimension (W × D × H)	295 × 440 × 225 mm
Display	7-inch, high resolution capacitive touch screen
Wavelength Range	340 - 750 nm
Optical Filter	8-position filter wheel, supplied with standard 4 filters: 405 nm, 450 nm, 492 nm, 630 nm
Absorbance Range	0 - 4.0 Abs
Resolution	0.001 Abs
Linear Range	R2 ≥0.995 absorbance range 0 - 3.0 Abs
Wavelength Accuracy	≤ ±2 nm
Absorbance Repeatability	CV ≤0.3% (0.3 Abs); CV ≤1% (3.4 Abs)
Absorbance Stability	≤0.005 Abs (0.3 Abs); ≤2.0% (3.4 Abs)
Absorbance Accuracy	≤±0.005 Abs (0.2 Abs); ≤±0.01 Abs (2.3 Abs); ≤±1.5% (3.4 Abs)
Sensitivity/Detector	≥0.01 A/photodiode
Measuring Speed	6 s / 96-well plate, fast mode; single wavelength <15 s / 96-well, dual wavelength <28 s / 96-well (common mode)
User Interface	Built-in software, touch screen input, external mouse
Internal Storage	Can store 1000 measurement programs and measurement results
Port	3 × USB ports, connecting computer, printer and USB drive

Ordering Details		Ordering Details	
AS-16050-00	Microplate Reader AMR-100		
Accessories		Accessories	
AS-16051-01	Optical filter 340 nm	AS-16051-18	Optical filter 520 nm
AS-16051-02	Optical filter 380 nm	AS-16051-19	Optical filter 532 nm
AS-16051-03	Optical filter 405 nm	AS-16051-20	Optical filter 546 nm
AS-16051-04	Optical filter 415 nm	AS-16051-21	Optical filter 560 nm
AS-16051-05	Optical filter 450 nm	AS-16051-22	Optical filter 562 nm
AS-16051-06	Optical filter 492 nm	AS-16051-23	Optical filter 600 nm
AS-16051-07	Optical filter 540 nm	AS-16051-24	Optical filter 620 nm
AS-16051-08	Optical filter 570 nm	AS-16051-25	Optical filter 646 nm
AS-16051-09	Optical filter 578 nm	AS-16051-26	Optical filter 663 nm
AS-16051-10	Optical filter 590 nm	AS-16051-27	Optical filter 700 nm
AS-16051-11	Optical filter 595 nm	AS-16051-28	Optical filter 750 nm
AS-16051-12	Optical filter 630 nm	AS-16051-50	Halogen lamp
AS-16051-13	Optical filter 650 nm	AS-16051-51	Thermal Printer
AS-16051-14	Optical filter 690 nm	AS-16051-52	Printer paper
AS-16051-15	Optical filter 470 nm	AS-16051-53	ABS optical performance validation board
AS-16051-17	Optical filter 510 nm	AS-16051-54	ReaderIt-I analysis software

Microplate Reader – AMR-100T

With all the features of the AMR-100, the Microplate Reader AMR-100T has additional incubation functionality.

The 96 well plates can be incubated over a temperature range of room temperature +4 °C to 50 °C.

Specifications	
Weight	10 kg
Dimension (W × D × H)	295 × 440 × 225 mm
Display	7-inch, high resolution capacitive touch screen
Wavelength Range	340 - 750 nm
Optical Filter	8-position filter wheel, supplied with standard 4 filters: 405 nm, 450 nm, 492 nm, 630 nm
Absorbance Range	0 - 4.0 Abs
Resolution	0.001 Abs
Linear Range	R2 ≥0.995 absorbance range 0 - 3.0 Abs
Wavelength Accuracy	≤±2 nm
Absorbance Repeatability	CV ≤0.3% (0.3 Abs); CV ≤1% (3.4 Abs)
Absorbance Stability	≤0.005 Abs (0.3 Abs); ≤2.0% (3.4 Abs)
Absorbance Accuracy	≤±0.005 Abs (0.2 Abs); ≤±0.01 Abs (2.3 Abs); ≤±1.5% (3.4 Abs)
Sensitivity/Detector	≥0.01 A/photodiode
Measuring Speed	6 s / 96-well plate, fast mode; single wavelength <15 s / 96-well, dual wavelength <28 s / 96-well (common mode)
Incubation Temperature Range	Room Temperature +4 °C - 50 °C
Temperature Accuracy	±0.5 °C @ 37 °C
Temperature Uniformity	±0.5 °C @ 37 °C
User Interface	Built-in software, touch screen input, external mouse
Internal Storage	Can store 1000 measurement programs and measurement results
Port	3 × USB ports, connecting computer, printer and USB drive

Ordering Details		Ordering Details	
AS-16060-00	Microplate Reader AMR-100T		
Accessories		Accessories	
AS-16051-01	Optical filter 340 nm	AS-16051-18	Optical filter 520 nm
AS-16051-02	Optical filter 380 nm	AS-16051-19	Optical filter 532 nm
AS-16051-03	Optical filter 405 nm	AS-16051-20	Optical filter 546 nm
AS-16051-04	Optical filter 415 nm	AS-16051-21	Optical filter 560 nm
AS-16051-05	Optical filter 450 nm	AS-16051-22	Optical filter 562 nm
AS-16051-06	Optical filter 492 nm	AS-16051-23	Optical filter 600 nm
AS-16051-07	Optical filter 540 nm	AS-16051-24	Optical filter 620 nm
AS-16051-08	Optical filter 570 nm	AS-16051-25	Optical filter 646 nm
AS-16051-09	Optical filter 578 nm	AS-16051-26	Optical filter 663 nm
AS-16051-10	Optical filter 590 nm	AS-16051-27	Optical filter 700 nm
AS-16051-11	Optical filter 595 nm	AS-16051-28	Optical filter 750 nm
AS-16051-12	Optical filter 630 nm	AS-16051-50	Halogen lamp
AS-16051-13	Optical filter 650 nm	AS-16051-51	Thermal Printer
AS-16051-14	Optical filter 690 nm	AS-16051-52	Printer paper
AS-16051-15	Optical filter 470 nm	AS-16051-53	ABS optical performance validation board
AS-16051-17	Optical filter 510 nm	AS-16051-54	ReaderIt-I analysis software

The Fluorometers from Allsheng are fluorescence instruments using excitation and emission filters to detect RNA, DNA and proteins. With high throughput and fast detection times samples can be tested accurately and with high sensitivity.

Fluorometer – Fluo-800

The Fluo-800 is used for high sensitivity, quantitative analysis of DNA, RNA and protein.

Capable of detecting 8 samples simultaneously the 7-inch touchscreen display with open reagent application is simple and easy to use.

Specifications	
Weight	2 kg
Dimension (W × D × H)	161 × 286 × 75 mm
Light Source	LED
Excitation Filter	Blue: 470 ±15 nm; Red: 625 ±20 nm
Emission Filter	Green: 525 - 570 nm (45 nm); Red: 670 - 725 nm (55 nm)
Detector	Photodiodes 320 - 1100 nm
Throughput	8 samples per run
Sample Tube Type	0.2 mL PCR tube
Linear	$R^2 \geq 0.995$
Linear Range	4 orders of magnitude
Sensitivity (detection limit)	<1 pg/μL (dsDNA HS)
Measurement Time	≤6 s/8 samples
Operation	7-inch touch screen
External Port	USB (Type A) ×2, USB (Type B) ×1, LAN ×1
Storage Capacity	10000 programs

Ordering Details	
AS-18060-00	Fluorometer Fluo-800 (Blue & Red)

The Allsheng Nano series micro-spectrophotometer is a conventional instrument in modern molecular biology laboratories, which can quickly and accurately detect nucleic acids, proteins and cell solutions. All models feature a 7-inch touchscreen without the need to connect to a computer. It is easy to use with low sample consumption, 0.5 - 2 μL depending on model. The additional cuvette mode with OD600 path length is convenient for bacterial concentration detection. The instrument is widely used in PCR, molecular hybridization, molecular diagnosis, antibody, protein concentration detection and other molecular experiments.

Micro-Spectrophotometer – Nano-300

The Nano-300 is a UV-Vis micro-spectrophotometer with full 200 – 800 nm wavelength detection.

With only 2 μL it can quickly and accurately detect nucleic acids, proteins and cell solutions.

The instrument is also equipped with a cuvette mode (OD600) to detect the concentration of bacteria and other culture solutions.

Specifications	
Weight	2.8 kg
Dimension (W ×D × H)	210 × 268 × 181 mm
Wavelength Range	200 - 800 nm
Minimum Sample Size	0.5 - 2.0 μL
Path Length	0.2 mm, 1.0 mm
Light Source	Xenon flash lamp
Detector Type	2048 - linear CCD array
Wavelength Accuracy	1 nm
Spectral Resolution	≤3 nm
Absorbance Precision	0.003 Abs
Absorbance Accuracy	1% (7.332 Abs at 260 nm)
Absorbance Range	0.04 – 90 A
Nucleic Acid Detection Range	2 - 4500 ng/μL (dsDNA)
Measurement Time	<5 s
Data Output	USB
Sample Pedestal Material	Aluminium alloy and quartz fibre
Operating Power	25 W
Standby Power	5 W
Software Compatibility	Android system
	Cuvette Mode (OD600 Measurement)
Light Source	LED
Wavelength Range	600 ± 8 nm
Absorbance Range	0 - 4 A

Ordering Details	
AS-11020-00	Nano-300 micro-spectrophotometer
Accessories	
AS-11021-01	Cuvette for Nano-300, and Nano-500
AS-11021-02	Printer paper

Micro-Spectrophotometer – Nano-500

The Nano-500 has all the functionality of the Nano-300 but with an increased optical path length for the detection of nucleic acid concentration up to 15000 ng/µL and additional fluorescence detection to accurately determine DNA concentration below 5 ng/µL.

Specifications	
Weight	3.6 kg
Dimension (W ×D × H)	208 × 320 × 186 mm
Wavelength Range	200 - 800 nm
Minimum Sample Size	0.5 - 2.0 µL
Path Length	0.05 mm, 0.2 mm, 1.0 mm
Light Source	Xenon flash lamp
Detector Type	2048 - linear CCD array
Wavelength Accuracy	1 nm
Spectral Resolution	≤3 nm
Absorbance Precision	0.003 Abs
Absorbance Accuracy	1% (7.332 Abs at 260 nm)
Absorbance Range	0.04 – 300 A
Nucleic Acid Detection Range	2 - 15000 ng/µL (dsDNA)
Measurement Time	<6 s
Data Output	USB
Sample Pedestal Material	Aluminium alloy and quartz fibre
Operating Power	25 W
Standby Power	5 W
Software Compatibility	Android system
	Cuvette Mode (OD600 Measurement)
Light Source	LED
Wavelength Range	600 ±8 nm
Absorbance Range	0 - 4 A
	Fluorometer Mode
Sensitivity	Ds DNA: 0.5 pg/µL
Linear Dynamic Range	R^2 ≥0.995
Repeatability	≤1.5%

Ordering Details	
AS-11060-00	Nano-500 micro-spectrophotometer
Accessories	
AS-11021-01	Cuvette for Nano-300, and Nano-500
AS-11021-02	Printer paper

Isothermal amplification and real-time fluorescence detection is widely used in rapid detection of pathogenic microorganisms (including viruses, bacteria, fungi, mycoplasma, parasites, etc.), clinical disease diagnosis, food hygiene inspection and environmental monitoring. It can also be used for sex identification of animal embryos and detection of genetically modified food. The design of the built-in battery makes it truly portable and possible to use outdoors.

Isothermal Fluorescence PCR – Gene-8C

The Gene-8C is a single channel fluorescence excitation and detection.

Incorporating a 7-inch touch screen the instrument is easy to operate with direct interpretation of positive or negative results.

The rechargeable battery enables detection anywhere and data can be transferred using the USB port or via Wi-Fi.

Specifications	
Weight	2.5 kg
Dimension (W × D × H)	145 × 305 × 100 mm
Sample Size	0.2 mL – 8-well (8 - strip tube available)
Sample Volume	15 - 150 µL (20 - 30 µL recommended)
Applicable Dye	FAM, SYBR Green 1, HEX
Temperature Range (°C)	15 °C - 99 °C
Heating Speed (°C)	2 °C/s
Cooling Speed (°C)	2 °C/s
Temperature Uniformity (°C)	± 0.15 °C; @ 39 °C
Temperature Control Accuracy (°C) / Precision (°C)	± 0.2 °C / 0.1 °C
Thermo Lid Function	Yes
Channel	Single
Excitation Wavelength	Ex 470 nm / LED
Detection Wavelength	Em 535 nm / PD
Result Display	1. Negative / positive; 2. peak time; 3. melting Tm value
Interpretation Method	1. Construct amplification curve judgment; 2. The instrument automatically analyses and determines positive or negative
Touch Screen	7 - inch touch screen
Control Software	Instrument software, PC software, supporting app (Android system)
Lithium Battery	With charging battery (optional)

Ordering Details	
AS-20010-00	Gene-8C isothermal fluorescence PCR

Isothermal Fluorescence PCR – Gene-8C2

With all the benefits of the Gene-8C isothermal fluorescence PCR the Gene-8C2 isothermal fluorescence PCR instrument offers dual-channel (mode selection) fluorescence excitation and detection.

Specifications	
Weight	2.5 kg
Dimension (W × D × H)	145 × 305 × 100 mm
Sample Size	0.2 mL – 8-well (8-strip tube available)
Sample Volume	15 - 150 µL (20 - 30 µL recommended)
Applicable Dye	FAM, SYBR Green 1, HEX
Temperature Range (°C)	15 °C - 99 °C
Heating Speed (°C)	2 °C/s
Cooling Speed (°C)	2 °C/s
Temperature Uniformity (°C)	± 0.15 °C; @ 39 °C
Temperature Control Accuracy (°C) / Precision (°C)	± 0.2 °C / 0.1 °C
Thermo Lid Function	Yes
Channel	Two
Excitation Wavelength	Ex 470 nm / LED; Ex 525 nm / LED
Detection Wavelength	Em 535 nm / PD; Em 605 nm / PD
Result Display	1. Negative / positive; 2. peak time; 3. melting Tm value
Interpretation Method	1. Construct amplification curve judgment; 2. The instrument automatically analyses and determines positive or negative
Touch Screen	7-inch touch screen
Control Software	Instrument software, PC software, supporting app (Android system)
Lithium Battery	With charging battery (optional)

Ordering Details	
AS-20020-00	Gene-8C isothermal fluorescence PCR

Horizontal electrophoresis is widely used for nucleic acid separation and detection in molecular biology research. The Allsheng Mini-Electrophoresis System with its compact design, integrated timer function and safety lid feature is ideal for laboratories requiring dependable electrophoresis capability.

Mini-Electrophoresis System - Mini–ES2

The Mini-ES2 Mini Electrophoresis System is a complete, compact and efficient solution for routine horizontal nucleic acid separation in agarose gels.

Designed for reliability, ease of use and space-saving convenience, the system delivers consistent electrophoretic separation performance while supporting a variety of gel formats and comb configurations.

Its durable high-temperature resistant construction and intuitive operation make the Mini-ES2 ideal for research laboratories, teaching facilities, scientific research and applications in food testing and healthcare.

Specifications	
External Dimension (W ×D × H)	190 x 130 x 60 mm
Bath Dimensions (W × D × H)	110 x 121 x 43 mm
Volume of Bath	230 mL
Construction of Bath	Polycarbonate (PC) and acrylonitrile butadiene styrene (ABS) with high temperature resistance
Timer range	1 – 99 min
Maximum Power	40 W
Safety Cover	Immediate power cut off when the cover is open

Ordering Details	
AS-14020-00	Mini-ES2, AC200~240V, 50~60Hz
Accessories	(included with AS-14020-00)
Comb configuration	3 x 1 mm x 22 wells
Tooth wide (width x thickness x no.)	5.6 x 1 mm x 12 wells 3 x 1 mm x 18 wells 5.6 x 1 mm x 10 wells
Gel Dimension (W x D)	126 x 126 mm - 1pcs
Gel Migration Board (W x D)	110 x 60 mm - 2pcs 54 x 60 mm - 4pcs

The GelView Imaging instruments from Biolight Biotechnology Co Ltd will visualise, capture, and analyse results of gel electrophoresis and membrane blotting experiments. Instruments have high resolution cameras for clear imaging capturing every detail. Each unit is compact in size with gesture, voice control and software for operation.

GelView 4000 Lite

The GelView 4000 Lite SmartView Gel Imaging System is an intelligent and light-weight gel imaging system, suitable for nucleic acid agarose gel imaging.

For sample safety the system can set the UV light source to shut down at a certain time to avoid sample degradation after long term irradiation.

Specifications	
Weight	4.8 kg
Dimension (W × D × H)	310 × 520 × 270 mm
Camera	High resolution low light digital camera
Resolution	3072 x 2048
Dynamic Range	>3.4 log
Imaging View	130 x 130 mm
Light Source	36 LED lamp beads with a wavelength of 302 nm
Filters	590 nm

Ordering Details	
212111	GelView 4000 Lite Nucleic Acid Agarose Gel Imaging

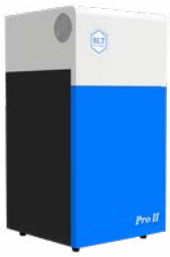
GelView 9000 Lite

GelView 9000 Lite SmartView Chemiluminescence Imaging System is an intelligent and lightweight chemiluminescence imaging system, used for Western blot or other experiments using related technologies.

Specifications	
Weight	5.5 kg
Dimension (W×D×H)	310 × 520 × 270 mm
Camera	Back-illuminated scientific camera
Resolution	3000 x 3000
Dynamic Range	>4.8 log
Quantum Efficiency	>92% @ 530 nm
Dark Current	<0.0005e– pixels/s
Temperature	-50 °C
Pixel Size	3.76 x 3.76 mm
Lens	F0.95, Fixed focus lens
Imaging View	95 x 95 mm
Light Source	LED

Ordering Details	
212910	GelView 9000 Lite Chemiluminescence Imaging

GelView 5000 Pro II



The GelView 5000Pro II is a fully automated, easy-to-use gel imaging system with a 6-megapixel

high resolution, low-light digital camera.

It is equipped with Epi-white light, Epi-blue light, and UV transmission light sources that enable imaging of agarose gels, protein Coomassie brilliant blue, Petri dishes and other samples.

An optional blue transmission light source is also available, which can be switched with the UV transmission light source and used independently as a gel cutter thus enabling multiple functions in one instrument.

Specifications	
Weight	35 kg
Dimension (W × D × H)	720 x 370 x 370 mm
Camera	High resolution digital camera
Resolution	3072 x 2048
Pixel Size	2.2 x 2.2 mm
Lens	2/3' large aperture high-definition lens
Dynamic Range	>3.4 OD
Imaging View	210 x 180 mm
Light Source	Epi-white LED light, Epi-blue LED light 306 nm transmission UV 470 nm transmissive blue light (optional)
Filters	590 nm

Ordering Details	
211111	Basic unit, UV version
211211	Basic unit, blue light version
Accessories	
2111	Transmission white light plate
2112	Filters
2114	UV transilluminator (306 nm)
2115	Blue light transilluminator (470 nm)

GelView 6000 Pro II

With its high-resolution, high-sensitivity charge couple device (CCD) camera, BLT GelView 6000 Pro II multifunctional imaging instrument can be applied to a variety of chemiluminescence imaging, multicolour fluorescence imaging, various dyes stained DNA/RNA, protein gel electrophoresis imaging, Western, Northern, Southern, Dot/Slot blot and other hybridization membrane imaging and other applications (such as culture dish colony counting, enzyme standard plate, radiographic autoradiography film analysis, etc.) of the imaging system, widely used in teaching and research. Different models are available depending on application.

Specifications	
Weight	38 kg
Dimension (W × D × H)	720 x 370 x 370 mm
Camera	High resolution, high sensitivity charge couple device camera
Lens	F0.95 Fixed focus lens
Temperature	-55°C
Resolution	3072 x 2048
Pixel Size	4.54 x 4.54 mm
Quantum Efficiency	>75% @ 600 nm
Dark Current	0.00017e- pixel/s @ -20 °C
Dynamic Range	>4.8 OD
Imaging View	Maximum 150 x 180 mm Minimum 120 x 140 mm
Light Source	White light Epi-illumination Blue light Epi-illumination Trans-UV illumination Trans-Blue illumination

Ordering Details	
211610	Chemiluminescence unit
211611	Chemiluminescence + blue light/UV transilluminator
211612	Multifunctional (chemiluminescence + blue/UV transilluminator + Multiplex fluorescence)
Accessories	
2117	In vivo imaging module (with anaesthesia machine, in vivo analysis software, mask, etc.)
2114	UV transilluminator (306 nm)
2115	Blue light transilluminator (470 nm)
2118	F0.8 lens (or F0.95)

Experience precision, performance, and peace of mind with the CellCare CO_2 Incubator. Designed for optimal cell growth, it combines advanced temperature uniformity and rapid CO_2 recovery with a seamless, fanless chamber for maximum contamination control. Effortless to clean and easy to operate, CellCare features intuitive touchscreen controls, real-time data storage, and a robust decontamination system. With smart design and uncompromising reliability, CellCare delivers the stable environment your cells deserve.

CellCare MINI

The CellCare MINI CO_2 incubator is 50 L in volume and is available with 3 solid or perforated shelves.

The shelving system and water tray is removable and autoclave-safe for efficient cleaning.

The incubator door can be left or right opening to suit the available laboratory space.

Specifications	
Weight	110 kg
External Dimension (W×D×H)	566 x 619 x 790 mm
Volume	50 L
Number of Shelves	3
Shelf Size (WxD)	370 x 280 mm
Door Opening Side	Left or right
Temperature Range	Room Temperature +5°C to 60°C
Temperature Regulation	0.1 °C
Temperature Maximum Deviation	+/- 0.3 °C
Uniformity Recovery Time	5 min
CO_2 Range	0 – 20%
CO_2 Regulation	0.1%
CO_2 Maximum Deviation	+/- 0.3%
Required Gas Pressure	1.5 – 3 bar
Decontamination Temperature	Maximum 180 °C
Decontamination Time at Maximum Temperature	2 hours
Decontamination Type	High temperature – dry heat
Power Consumption (maximum)	760 W
Power Consumption (at setpoint with closed door)	Maximum 100 W/h
Interfaces	USB A, RJ45, Free volt
Stackable	Yes (maximum 2 units)

Ordering Details	
CO21610	CELLCARE MINI CO_2 Incubator - Right door opening (hinges on the left) - 3 solid or perforated shelves
CO21611	CELLCARE MINI CO_2 Incubator – Left door opening (hinges on the right) - 3 solid or perforated shelves

CellCare MIDI

The CellCare MIDI CO_2 incubator is 188 L in volume available with 4 solid or perforated shelves.

The shelving system and water tray is removable and autoclave-safe for efficient cleaning.

The incubator door can be left or right opening to suit the available laboratory space.

Specifications	
Weight	160 kg
External Dimension (W×D×H)	696 x 769 x 1085 mm
Volume	188 L
Number of Shelves	4
Shelf Size (W x D)	500 x 450 mm
Door Opening Side	Left or right
Temperature Range	Room Temperature +5 °C to 60 °C
Temperature Regulation	0.1 °C
Temperature Maximum Deviation	+/- 0.3 °C
Uniformity Recovery Time	5 min
CO_2 Range	0 – 20%
CO_2 Regulation	0.1%
CO_2 Maximum Deviation	+/- 0.3%
Required Gas Pressure	1.5 – 3 bar
Decontamination Temperature	Maximum 180 °C
Decontamination Time at Maximum Temperature	2 hours
Decontamination Type	High temperature – dry heat
Power Consumption (maximum)	1800 W
Power Consumption (at setpoint with closed door)	Maximum 100 W/h
Interfaces	USB A, RJ45, Free volt
Stackable	Yes (maximum 2 units)

Ordering Details	
CO21710	CELLCARE MIDI CO_2 Incubator - Right door opening (hinges on the left) - 4 solid or perforated shelves
CO21711	CELLCARE MIDI CO_2 Incubator – Left door opening (hinges on the right) - 4 solid or perforated shelves

The AURA range delivers exceptional product protection and guaranteed performance to the strictest levels of operator safety and comfort. Designed and manufactured in Italy, each cabinet is compact, quiet, and built for reliability, ensuring a particle-free environment for your most sensitive laboratory applications.

AURA HZ

The AURA HZ is a horizontal laminar flow cabinet available in 2 sizes to fit different laboratory spaces.

The internal design, aerodynamics and airflow monitoring, along with the special H14 filter including downstream Micromesh equalisation plenum all guarantee the highest performance to the strictest levels of operator safety and comfort.

Specifications	AURA HZ 48	AURA HZ 72
Weight (without supporting platform)	130 kg	195 kg
External Dimension (W × D × H)	1270 x 1050 x 1360 mm	1920 x 1050 x 1360 mm
Workspace Dimensions (W × D × H)	1130 x 620 x 740 mm	1790 x 620 x 740 mm
Power Consumption	650/700 W	1150/1200 W
Laminar Air Flow	Horizontal	
Reference Standard	EN 61010-1	
Average Air Flow Velocity	0.40 +/- 10% m/s	
Sound	<65 dB	
Filter Efficiency Class (EN 1822-1)	H14	
Efficiency MPPS global (EN 1822-1)	99.995%	

Ordering Details	
LH20600	AURA HZ 48T Horizontal Laminar Flow Cabinet
LH30600	AURA HZ 72T Horizontal Laminar Flow Cabinet

AURA MINI

The Aura MINI is a compact bench-top vertical laminar flow cabinet offering everything necessary to ensure cleanliness and protection, without taking up valuable space in the laboratory.

The internal design, aerodynamic airflow, special H14 filter and Filtrete® exhaust filter (or prefilter) all ensure maximum performance at the most stringent levels of safety and comfort.

Two operating modes are available: inward air barrier and outward air barrier.

In the inward configuration this unit can be easily used as an 'active PCR' cabinet for DNA carry over blocking.

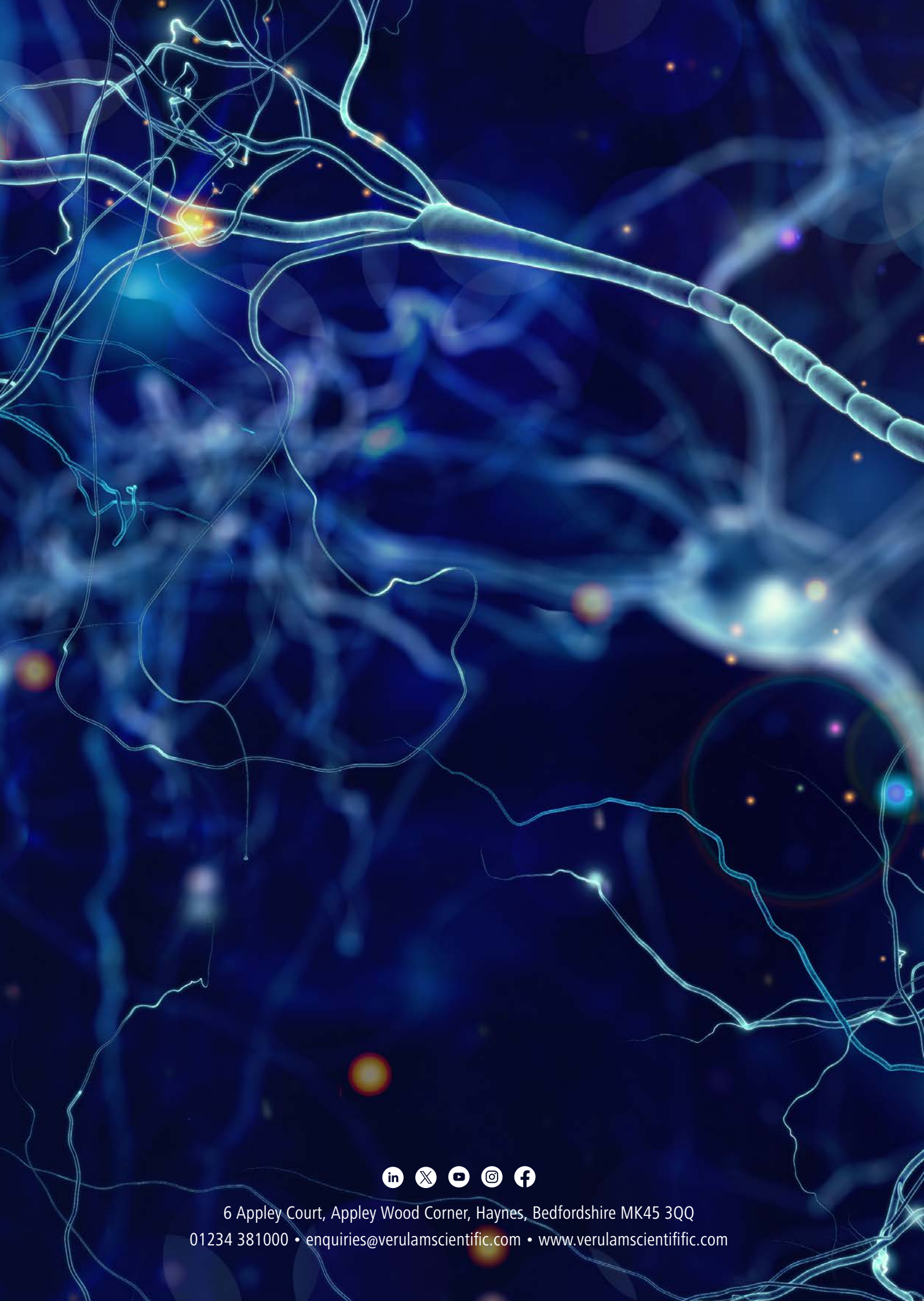
Specifications	
Weight (without supporting platform)	65 kg
External Dimension (W × D × H)	850 x 590 x 820 mm
Workspace Dimensions (W × D × H)	735 x 420 x 480 mm
Laminar Air Flow	Vertical
Power Consumption	650/700 W
Sound	< 65 dB
Filter Efficiency Class (EN 1822-1)	H14
Efficiency MPPS global (EN 1822-1)	99.995%

Ordering Details	
LV30600	AURA Mini Vertical Laminar Flow Cabinet

For all other biosafety cabinet requirements, please contact enquiries@verulamscientific.com

Verulam Scientific offers a range of laboratory consumables. If you can't find what you are looking for here, please get in touch as we will always strive to find a solution for you.

Ordering Details	Description	Pack Size
AS-17151-07	Micro centrifuge Tube	2 mL, each
AS-17151-07	Micro centrifuge Tube, sterilized	2 mL, each
AS-TT-20-N-BA	Natural pipette tips, 20 µL	1000 Tips/Bag, 10 bags/case
AS-TT-20-NSL-LB	Natural pipette tips, Sterilized, Low Retention, 20 µL	96 Tips/rack, 24 racks/case
AS-TTF-20-NSL-LB	Natural pipette tips, Sterilized, Filtered, Low Retention, 20 µL	96 Tips/rack, 24 racks/case
AS-TT-50-N-BA	Natural pipette tips, 50 µL	1000 Tips/Bag, 10 bags/case
AS-TT-50-NSL-LB	Natural pipette tips, Sterilized, Low Retention, 50 µL	96 Tips/rack, 24 racks/case
AS-TTF-50-NSL-LB	Natural pipette tips, Sterilized, Filtered, Low Retention, 50 µL	96 Tips/rack, 24 racks/case
AS-TT-200-N-BA	Natural pipette tips, 200 µL	1000 Tips/Bag, 10 bags/case
AS-TT-200-NSL-LB	Natural pipette tips, Sterilized, Low Retention, 200 µL	96 Tips/rack, 24 racks/case
AS-TTF-200-NSL-LB	Natural pipette tips, Sterilized, Filtered, Low Retention, 200 µL	96 Tips/rack, 24 racks/case
AS-TT-1000-N-BA	Natural pipette tips, 1000 µL	1000 Tips/Bag, 5 bags/case
AS-TT-1000-NSL-LB	Natural pipette tips, Sterilized, Low Retention, 1000 µL	96 Tips/rack, 16 racks/case
AS-TTF-1000-NSL-LB	Natural, Sterilized, Filtered, Low Retention, 1000 µL	96 Tips/rack, 16 racks/case



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