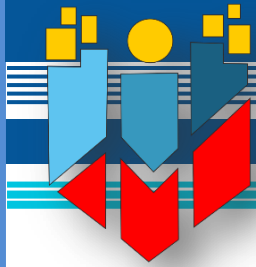# PT. AMKI
High Quality & Technology

BIOTECHNOLOGY EQUIPMENT

Product by : Thermo Scientific.NUNC. LI-COR. Sigma-Aldarich.
MPW Med Instauments. IDEXX Laboratories. BioNavis.
ROMER (Romer Labs). POL-EKO Aparatur. Hygiena.
Interscience Laboratoris Inc. Labserv. Mindray. Boditech.
Medtronic. SurePlus. SK Medical.

PT. ARSY MEDIA KARYA INDONESIA

KATALOG ALAT- ALAT KESEHATAN & LABORATORIUM

PRODUCT BY

Thermo SCIENTIFIC · OLYMPUS FOCUS ON LIFE · mindray healthcare within reach · PYREX® IWAKI · OXOID · MERCK

Dino-Lite Digital Microscope Medical · LI-COR Biosciences · boditech BIO TECHNOLOGY · SK SK Medical A Mindray Company · MPW MED. INSTRUMENTS · SIGMA-ALDRICH

memmert Experts in Thermostatics · HK HIRAYAMA · interscience Laboratories Inc. · Promega · Retsch Solutions in Milling & Sieving · MACRON FINE CHEMICALS™

J.T.Baker® · heidolph research made easy · Primerdesign · euromex microscopes holland · ESCO · GenFollower™

COVID-19 RELEATED PRODUCT

Genesig Q32

The genesig q32 Real-Time PCR Instrument provides fast results with genesig kits **Details**

Rapid heating and cooling makes the genesig q32 one of the fastest qPCR instruments on the market today. Assembled from just a few building blocks, this robust qPCR instrument allows analysis of up to 32 samples in both tube or strip format. The powerful genesig q32 software is easily installed from a USB flash drive onto any PC or Mac. The genesig q32 used together with the dedicated genesig kits provide:

• Fast DNA and RNA analysis in less than 60 minutes
• Quick start templates, analysis of full spectral data, straight forward setup and editing of samples/targets
• Over 550 genesig kits for human, vet, and food pathogens, as well as food speciation testing

MPW-260, MPW-260R dan MPW 260RH

MPW-260, MPW-260R and PW-260RH centrifuge is a family of universal, table, medium-sized centrifuges. The accuracy of setting high centrifugation parameters with the possibility of their registration, and the availability of high-speed angular rotors (RCF above 14,000 x g) and low-speed horizontal rotors (RCF below 6,300 x g), as well as the variety of accessories allow the centrifugation of samples from 0.2 ml to 100 ml (including hematocrit capillaries). Thus, centrifuges are used, among others, in blood preparatory procedures and urinalysis in medical and veterinary laboratories, in molecular biology for isolation, purification and evaluation of the quality of DNA and RNA nucleic acids in scientific and biochemical laboratories, for sludge dewatering in laboratories of environmental protection and sewage treatment plants, and many others.

Features:

- with cooling
- temperature + 4 ° C provided for maximum speed of each rotor
- delayed start function
- starts working at a certain temperature
- initial cooling during centrifuging FAST COOL
- maintenance-free induction motor
- modern programming system
- large graphical LCD display (MPW-260RH)
- simultaneous indication of the preset and current values of speed, RCF, time, temperature
- 99 user programs
- 10 acceleration / deceleration characteristics
- programming of multi-segment acceleration and deceleration characteristics
- RPM / RCF regulation
- two countdown modes: from pressing the start key or reaching the set speed
- HOLD continuous mode
- work in "SHORT" mode
- possibility to change parameters during spin
- rotor auto-identification
- automatic opening of the lid
- records spin parameters - MPW Editor - PC (USB)
- change of menu language (PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ)
- block selected features, password access protection
- programmable density setting for samples> 1.2g / cm3 (with automatic maximum speed correction)
- stainless steel centrifuge chamber
- wide range of rotors and additional equipment

❖ Spesificaton

Power supply : 230V 50Hz/60Hz; 100V, 110V, 120V, 127V 60Hz
Power [W] : 600
Capacity [ml] : 500 (24 kapilary)
Max. RPM [m^{-1}] : 90 ÷ 18 000
Max. RCF [x g] : 24 270
Setting time : 1s ÷ 99h 59min 59s + ∞, krok 1s

Dimensions H x W x D [mm] : 315 x 365 x 660
Weight [kg] : 42,2/44,3
Temperature : -20°C ÷ +40°C

Primer Design Rapid detection of nCoV-2019

• Rapid detection of nCoV-2019

• Positive copy number standard curve for quantification

• Highly specific detection profile

• High priming efficiency

• Sensitive to 1 copy number of target

• Accurate controls to confirm findings

❖ Benefit

- Genesig Standard qPCR Detection Kit for Coronavirus (Strain 2019-nCoV), 150 reactions

- Genesig Advanced qPCR Detection Kit for Coronavirus (Strain 2019-nCoV), 150 reactions

- Genesig Easy qPCR Detection Kit for Coronavirus (Strain 2019-nCoV), 50 reactions

- Genesig® kits are sold for research use only and are not licensed for diagnostic procedures.

TSX Series High-Performance -20°C Manual Defrost Freezers

Thermo Scientific™ TSX Series high-performance -20°C manual defrost freezers are designed with features that support sample protection and sustainability objectives for the storage of clinical and laboratory-grade storage requiring -20°C. The Series' V-drive technology is designed to provide temperature uniformity that continually adapts to user patterns, offering significant energy savings without compromising protection

❖ Benefit

- Whisper quiet with a sound level of 52 dBA, enabling end users to work alongside the refrigerator without distraction

- Unique V-drive technology is designed to detect usage patterns such as door openings when a higher compressor speed is needed and periods of stability where the compressor runs at a lower speed, saving energy without compromising protection

- Up to 50% less energy usage than conventional refrigerant models*

- Natural, R290 refrigerants, making the TSX Series compliant with the U.S. Environmental Protection Agency's Significant New Alternatives Policy (SNAP)

- Lower HVAC costs as a result of less heat emission into the environment*

- Easy to use microprocessor control with setpoint security and alarms

- Compatible with wireless monitoring systems and remote alarm contacts

- Standard door locks provide comfort and assurance

- Ergonomic door handle

TSX Series Ultra-Low Freezers

The ENERGY STAR® certified Thermo Scientific™ TSX Series ultra-low freezers are designed to meet the highest standards in reliability, sustainability and temperature management. At the heart of the TSX Series is V-drive technology, designed to adapt to user patterns, substantially reducing energy and HVAC costs without compromising performance

❖ Benefit

- Four capacities: 400, 500, 600 and 700 2-inch (5cm) box
- Re-designed, user interface with capacitive touch screen
- Best peak variation of energy-efficient ultra-low freezers: less than 5°C
- Fastest door opening recovery on the market: 17 minutes
- Best overall temperature uniformity: < 5.2°C with door openings, < 4.0°C with no door openings
- Long warm-up time from -80°C to -50°C at 5.05 hours
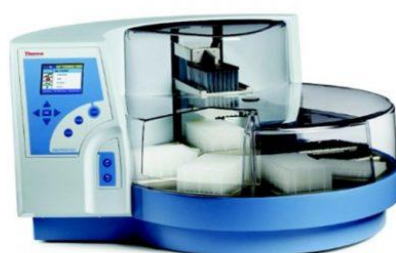- Low energy usage: less than 8 kWh/day depending on size

Catalogue Number	Capacity	
	Liters	2″ cryobox
TSX40086V	549	400
TSX50086V	682	600
TSX60086V	816	800

KingFisher Flex

KingFisher instruments automate extraction of DNA, RNA, protein, and cells by moving magnetic beads (not liquids), leading to clean extractions and enabling consistent results. Using a simple process (bind, wash, elute), KingFisher instruments can automate the extraction of any analyte of interest with a bead on it.

The Thermo Scientific™ KingFisher™ Flex Purification System provides highly versatile and reproducible products or MagMAX nucleic acid extraction kits, enabling users to process samples for a variety of purification of 24 or 96 samples per run. It can be used with a variety of reagents, including Dynabeads products or MagMAX nucleic acid extraction kits, enabling scientists to process samples for a variety of applications.

❖ **Benefit**

- Fully automated system yields high-speed purification of nucleic acids, protein, and cells

- Easy to set up for a fast start

- User-friendly graphical interface

- BindIt Software allows programmable instrument control and protocol modification, creation, and upload

- High-throughput system that processes up to 96 samples and drastically reduces hands-on time

- Sample volume is expanded with the 24-well format

- Ready-made protocols for different type of applications are available

❖ **Spesification**

For use with (application)	:	DNA and RNA isolation from various starting materials, proteomic
		applications, cell isolation
Samples per run	:	96 or 24 samples
Plastic consumables	:	96 deep-well plate
		24 deep-well plate
		96-well plate
Volume range	:	50–1,000 μL, 96 deep-well plate
		200–5,000 μL, 24 deep-well plate
		20–200 μL, 96-well plate
Heating temperature	:	From 5˚C above ambient temperature to 115˚C

Internal memory	:	Space for about 500 protocols
Software	:	BindIt Software
Computer interface	:	RS-232
Size (W x D x H)	:	680 x 600 x 380 mm (26.8 x 23.6 x 15 in.)
Weight	:	28 kg (62 lb.)
Application	:	Genomics and proteomics Target identification Veterinary assays Biomarker discovery Quality control Forensics

❖ **Application Note**

- A complete workflow for high-throughput isolation of serum miRNAs and downstream analysis by qRT-PCR: application for cancer research and biomarker discovery
- Efficient Enrichment and Identification of Cell Lysate Phosphopeptides Using an Automated, Magnetic Bead-Based System Coupled to High-Resolution LC-MS/MS and SRM
- High content gene expression analysis using TRAC: a magnetic proposition
- Rapid and reproducible DNA isolation from 1 ml of whole blood with Thermo Scientific KingFisher Flex
- Efficient Plasmid DNA Isolation from Bacterial Culture with Thermo Scientific KingFisher Flex and KingFisher Pure Plasmid Kit

- High yield and quality with Thermo Scientific Microtiter Deep Well 96 plates in KingFisher Flex process
- Magnetic Bead Based Soil DNA Isolation using the Thermo Scientific KingFisher Flex and KingFisher Duo and ClearMag™ Technology

ELLA - Your next generation ELISA

Ella's combination of performance and workflow brings your immunoassays to the next level. In just 90 minutes you get highly reproducible validated assay data with no manual steps.

The assay performance behind that data includes sub-picogram level sensitivity, 4+ logs of dynamic range and reproducibility that rivals the best laboratory automation. All in a compact package that doesn't break your budget or your lab bench.

❖ Benefit

- 70 minutes ELISA, customer only prepares and pipette samples and buffer, ELLA do the rest including washing and antibody addition.
- No need to pipette standard curve. Standard curve already embedded as barcode in the catridge.
- Small sample is needed to run the assay. Only 25 uL maximum in 25 uL in sample buffer.

- No cross contamination in the assay. Each parameter has their own channel separate from others.

Specifications:

Sample Volume Required	:	2.5 to 25 μL
Analytes per Sample	:	Up to 4 independent Simple Plex assays per sample
Throughput	:	72 samples with 1 analyte, or 16 samples with up to 4 analytes
Hands-on Time	:	5 minutes
Time to Result	:	60 minutes
Sensitivity	:	Sub-picogram/mL
Reproducibility	:	Single-digit CVs, results in triplicate
Dynamic Range	:	4-5 logs
Cross-reactivity	:	N/A, Simple Plex assays are run in parallel in individual channels

Include	:	Computer with Windows operating system
		1 Verification Catridge
		1 year warranty

AriaMx Real-Time PCR (qPCR) Instrument

AriaMx Real-time PCR System

The AriaMx Real-Time PCR system is a fully integrated qPCR solution for amplification, detection, and data analysis, combining a novel thermal cycler, an advanced optical system with LED excitation source, and comprehensive data analysis software.

AriaMx has a closed-tube PCR detection format and can be used with many fluorescence detection chemistries, including SYBR Green and EvaGreen dyes, and fluorogenic probe systems such as TaqMan. Functional reporting, more than 120 attributes, and built-in diagnostics assist in troubleshooting. A modular and flexible design with intuitive touch-screen interface improves productivity.

For Research Use Only. Not for use in diagnostic procedures.

❖ Benefit

- Usable with many fluorescence detection chemistries, including SYBR Green and EvaGreen dyes, and fluorogenic probe systems such as TaqMan

- Combines a novel thermal cycler, an advanced optical system with LED excitation source, and comprehensive data analysis software

- Ultrafast chemistry helps you to complete your study in a timely fashion

- Proprietary rapid hot-start enzymes and fastest industry high-resolution melt reagents

- Intuitive operation with a touch screen interface

- Modular optics and open reagent platform for increased agility

- Multiplex capability with six filters for five plexing and two to five channels

- Validated for most applications and chemistries

- Intuitive open-source software and robust data analysis with proprietary algorithms

- Instrument validated on 100,000+ samples across 14 different assays

❖ Spesification

Optical System	:	SYBR/FAM; HEX; ROX; CY3; CY5; ATTO425 or 6 slots, swappable optical modules
Excitation Source	:	8 dye specific LEDs per optical module
Reaction Volume	:	From 10 μL upto 30 μL
Chemistries Supported	:	SYBR, Probe, HRM
Thermal System	:	Six Peltiers made from two ceramic plates with semi-conductor elements, 96-well

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Ramp Rate	:	Heating : 6.0°C/sec; Cooling : 3.0°C/sec (Median), 2.5°C/sec (Average)
Experiment Types		Quantitative PCR with dye/SYBR, Quantitative PCR with probe, Allele Discrimination with HRM, Allele Discrimination with probe, Comparative Quantitation
Data Acquisition Time	:	Less than 3 seconds for 6 optical slots
Sample Format	:	96-well plates, strip tubes; 0.2mL tubes
Onboard Analytics	:	• Thermal, physical, interactive (sensors) tests • Extended: 125 performance points tested in 30 minutes • Start-up: 59 performance points tested in ~1 minute
Software Operating System	:	Windows 7 and 10
Run Modes	:	• Stand alone • PC connected • LAN connected to PC • USB connected, external devices
Selected Application	:	Quantitative and qualitative gene expression analysis miRNA analysis Genetic mapping

Genetic fingerprinting

NGS library quantification

2-6 channel multiplex ability

HRM analysis (including genotyping, mutational analysis, and class IV SNP detection)

Pathogen quantification

Thermo Scientific™ QSP Microcentrifge and Microtiter Tubes

Thermo Scientific™ QSP Snap Cap Microcentrifuge Tubes offer sample security while maintaining an easy to open cap. The larger round cap design assists in opening and the smooth surface reduces the possibiltiy of ripped or torn gloves. High clarity and clearly visible graduation marks allow for quick sample check.

Uniform tube concentricity aides in the robustness needed during centrifugation. QSP Microtiter Tubes made from superior grade polypropylene, fully autoclavable, and can be used and sealed for storage and offer addtional volume capacity for sample dilution and/or mixing prior to transfer to microtiter plate.

➢ **Benefit**

- Available in 0.6, 1.5, and 2.0 ml tubes.
- The duck bill cap offers more surface for thumb placement during opening and the snug cap will remaln closed during centrifugation.
- Also available with the choice of locking cap for extra security while centrifuge

➢ **Spesification**

- Graduation marks on the microcentrifuge tube allow for effective sample reference
- Made from Vorgin Polypropylene 100%
- Non-sterile tubes are free from Rnase/Dnase, DNA, pyrogen, and endotoxins

Catalog No.	Description	Quantity
QSP 509-GRD-Q	1.5 ml, Microcentrifuge Tube, Natural, Bagged, Non-Sterile	Bagged, 500 tubes/bag
QSP 508-GRD-Q	2.0 ml, Microcentrifuge Tube, Natural, Bagged, Non-Sterile	Bagged, 500 tubes/bag
QSP L-510-GRD-Q	Locking, 1.5 ml, Microcentrifuge Tube, Natural, Bagged, Non Sterile	Bagged, 500 tubes/bag
QSP 845	1.2 ml Microtiter Tubes, Natural, Non Sterile	Bagged, 1000 tubes/bag
QSP 845-TP	1.2 ml Microtiter Tubes, Natural, Tray Pack	Rakced, 96 tubes/rack, 10 racks/pack

ART™ Barrier Tips

Thermo Scientific™ ART™ stands for *Aerosol Resistance Tips*, gives you a complete security with the barrier that seals when exposed to potential chemicals. The tips' inner surface is extremely hydrophobic, increasing sample reproducibilty and sample accuracy. The tips will fit any pipette or application in your laboratory.

❖ Benefit

- Universal tips, fit with any pipettes in your lab
- The complete seal will give your sample an ultimate protection from potential
- Perfect for your moleular applications

❖ Spesification

- Tips inner surface are extremely hydrophobic, increasing sample reproducibilty and sample accuracy
- All tips comes in a sterile and sealed racked
- All sterile tips are free from RNASE, DNAse, ATP, Endotoxins, and Pyrogens

Catalog No.	Description	Quantity
MBP 2140-05-HR	ART REACH 10, Racked, Sterile, 0.5-10µl	Racked, 96 tips/rack, 10 racks/pack

MBP 2149P-05-HR	ART 20, Micropoint, Racked, Sterile, 1-20μl	Racked, 96 tips/racked, 10 racked/pack
MBP 2065E-05-HR	ART 100, Racked, Sterile, 1-100μl	Racked, 96 tips/racked, 10 racked/pack
MBP 2069-05-HR	ART 200, Racked, Sterile, 1-200μl	Racked, 96 tips/racked, 10 racked/pack
MBP 2179E-05-HR	ART 1000, Racked, Sterile, 1-1000μl	Racked, 96 tips/racked, 8 racked/pack
MBP 2279-05	ART 1000, Racked, Sterile, 1-1000 μl	Racked, 100 tips/racked, 8 racked/pack

E1-Cliptip™ Electronic Adjustable Tips Spacing Multichannel Equilizer Pipettes

With enhanced versatility and customization, the Thermo Scientific™ E1-Cliptip™ Electronic Multichannel Pipette automates daily 96-and 384-well microplate pipetting tasks with the sealed security of Thermo Scientific™ Clipitp™ technology.

Perform sample transfer between virtually any tube, rack, microplate or horizontal gel box quickly and efficiently with the Adjustable tip spacing features that allows you to set the distance between tips by simply sliding the scale to expand or contract the desired labware format. Enjoy pipetting again with optimum functionality of every application and user preference

❖ **Benefit**

- Lightweight and ergonomic design, comfortable to hold and maneuver

- Total security with Cliptip™ pipetting system, the tips will securely locks on every channel

- Enable consistent and reproducible ppetting from user-to-user

- Extremely low attachment and ejection forces to avoid RSI.

❖ **Spesification**

- Program functions allows you to store up to 20 of your most common protocols

- Intuitive and user friendly interface made it super easy to use

- With program feature such as Stepper and Mix program, making your everyday liquid transfer work easy

- Choose your steps between Matrix or Presets with settings of your common applications, an ideal solution for working with complex protocols

- Adjustable tip spacing technology, makes it easy to move between different sample format in your lab

- Service and callibration trackers to remind you when your pipette needs to be re-calibrated or serviced

Catalog No.	Description	Range Volume / Quantity
E1-Cliptip		
FI 4672010	E1-ClipTip Equalizer 384 8-ch 0.5-12.5μl	0.5-12.5μl
FI 4672080	E1-ClipTip Equalizer 8-ch 10-300 μl	10-300μl
FI 4672080	E1-ClipTip Equalizer 8-ch 50-1250 μl	100-1250μl
Cliptip		
FI 94410050	ClipTip 384 12.5, Racked 0.5-12.5μl	Racked, 384 tips/rack, 10 racks/pack
FI 94410510	ClipTip 300, Racked, 10-300μl	Racked, 96 tips/racked, 10 racked/pack

FI 94410513	ClipTip 300, Racked, Sterile, 10-300μl	Racked, 96 tips/racked, 10 racked/pack
FI 94420513	ClipTip 300, Filter, Racked, Sterile, 10-300μl	Racked, 96 tips/racked, 10 racked/pack
FI 94410810	ClipTip 1250, Racked, 15-1250μl	Racked, 96 tips/racked, 8 racked/pack

F1-Cliptip™ Variable Volume Pipettes

Cliptip technology locks tips firmly to the pipette with a complete seal on every channel so they will not loosen or fall off. Lightweight handle design, combined with minimal tip attachment and ejection forces will increase the conform of pipetting. Enjoy the new effortless and ergonomic user experience with Finnpipette F1-Cliptip™.

❖ **Benefit**

- With Cliptip technology, make sure that every tips sealed in on every channel
- Color coded for easy identification
- Lightweight and ergonomic design, easy on your hand

- Easy attachment between the pipette and the tips, no more banging pipette
- Lower force needed while pipetting or ejecting your tips, avoid your hands from RSI

❖ **Spesification**

- Secure volume lock, securely set and lock volumes to prevent undesireable volume drift
- Super blow-out 150% increase in air boost ensures efficient delivety of micro-volumes
- Lightweight and ergonomic design
- Extremely low tip attachment and ejection forces to avoid RSI
- Complete seal on every channel, no loose tips, for more precise and accurate pipetting while also securing your sample

Catalog No.	Description	Range Volume / Quantity
F1-Cliptip Multichannel		
FI 4661110N	F1-CLIP TIP, 8 CHANNEL 1-10 UL	1-10 UL
FI 4661120N	F1-CLIP TIP, 8 CHANNEL 5-50 µl	5-50 µl
FI 4661130N	F1-CLIP TIP, 8 CHANNEL 10-100 UL	10-100 UL
FI 4661140N	F1-CLIP TIP, 8 CHANNEL, 30-300 µl	30-300 µl
FI 4672080	F1-CLIP TIP, 12 CHANNEL, 30-300 µl	30-300 µl
Cliptip		
FI 94410040	ClipTip 12.5, Racked, 0.5-12.5µl	Racked, 96 tips/racked, 10 racked/pack

FI 94410050	ClipTip 384 12.5, Racked, 0.5-12.5µl	Racked, 384 tips/rack, 10 racks/pack
FI 94410253	ClipTip 50, Racked, Sterile, 0.5-50µl	Racked, 96 tips/racked, 10 racked/pack
FI 94410510	ClipTip 300, Racked, 10-300µl	Racked, 96 tips/racked, 10 racked/pack
FI 94410513	ClipTip 300, Racked, Sterile, 10-300µl	Racked, 96 tips/racked, 10 racked/pack
FI 94420513	ClipTip 300, Filter, Racked, Sterile, 10-300µl	Racked, 96 tips/racked, 10 racked/pack
FI 94410710	ClipTip 1000, Racked, 10-1000 µl	Racked, 96 tips/racked, 8 racked/pack
FI 94410713	ClipTip 1000, Racked, Sterile, 10-1000 µl	Racked, 96 tips/racked, 8 racked/pack
FI 94410810	ClipTip 1250, Racked, 15-1250µl	Racked, 96 tips/racked, 8 racked/pack

Finnpipette™ Novus Multichannel Pipettes

(1007FNM01) Finnpipette Novus 8-ch 1 - 10 µl
(1007FNM02) Finnpipette Novus 8-ch 5 - 50 µl
(1007FNM03) Finnpipette Novus 8-ch 30 - 300 µl
(1007FNM04) Finnpipette Novus 8-ch 1200 µl
(1007FNM05) Finnpipette Novus 12-ch 1 - 10 µl
(1007FNM06) Finnpipette Novus 12-ch 5 - 50 µl
(1007FNM07) Finnpipette Novus 12-ch 30 - 300 µl
(1007FNM08) Finnpipette Novus 16-ch 5 - 50 µl

*Recommended For Elisa And MolecularWork

Features Benefit

- Easy to read and intuitive menu navigation
- Multilingual user interface options
- Ten pipetting options include forward, reverse, diluting, stepper pipetting, mixing, sequential stepping, and more
- Nine aspirate/dispense speeds
- Save up to 9 programs with your most common protocols
- Eight multichannel versions, including a 16-channel for 384-well microplate applications, with color coding by volume for easy recognition
- Full size backlit screen eliminates surrounding light reflections and improves contrast in low-light conditions
- lab calibration for accuracy and precision
- Fully autoclavable tip cone ensures sterility and avoids cross-contamination

Ergonomic Design

- Long-life battery allows approximately 4000 pipetting operations; recharged in about one hour
- Extremely lightweight construction
- Trigger-action pipetting—index finger controls dispensing with just a soft press of a button

PT. ARSY MEDIA KARYA INDONESIA

- 120° Adjustable finger rest for balance and comfort
- Soft-touch tip ejection minimizes thumb strain; can be operated by either hand

Thermo
SCIENTIFIC

(1012BSC01) 1300 Series A2 Class II, Type A2 Bio Safety Cabinets
==Accessories (Included)==

- Support stand
- UV Lamp
- Arm Rest
- Warranty 1 year

Specification :

- External dimension (W x D x H)   : 1300 x 1568 x 798 mm
- Shipping dimension (W x H x D)   : 1410 x 1730 x 925 mm
- Internal work area (W x D x H)   : 1200 x 780 x 630
- Working height of front window   : 250 mm/ 10 in
- Maximum Opening Height of Front Window : 535 mm/ 21 in
- Net Weight   : 200 Kg/ 441 lbs
- Shipping Weight   : 225 Kg/ 496 lbs
- Voltage   : 230 V
- Frequency   : 50/60 Hz
- Certification for filtration   : NSF/ANSI 49, UL, CE
- Lighting Power   : > 120 fc
- Main filter type   : HEPA Filter H14 EN 1822, 99.995% MPPS
- Max noise level   : < 63 dB
- Energy Consumption Night Set-Back mode : 70 W
- Energy Consumption Operating set point : 200 W
- Heat output, operating mode (non-vented) : 683 BTU/hr (200 W)

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- Heat output, Night Set-Back mode (Light off, Non vented) : 239 BTU/hr (70 W)
- Exhaust inflow air volume   : 344 cfm (585 m3/h)
- Exhaust volume, timble ducted   : 448 cfm (761 m3/hr)

Thermo Scientific™ Maxisafe 2030i Biosafety Cabinets to EN12469 & DIN12980

The Maxisafe 2030i incorporates SmartFlow Plus, DAVe Plus and Smart UV technologies for ultimate protection and graphical user interface for ease of operation. Each unit has inbuilt Wifi capability and is ready to be connected. Our prefilter system includes a new improved and easy sealing solution.

❖ Spesification

| Description | Maxisafe 2030i, 1.2m, with 200mm sash opening, with Cross Beam UV-C in side walls. |

Dimensions (L x W x H) Exterior	870 x 1300 x 1536
Display	7 in GUI
Electrical Requirements	230V
Filter Efficiency	0.99995
Filter Type	H14 Hepa
Hertz	50/60Hz
Lighting	LED
Net Weight (Metric)	240 Kg
Ports	2x each side plus Smart Ports
Shipping Weight (Metric)	265 Kg
Certifications/Compliance	EN 12469 & DIN12980
Chamber Material	316 stainless steel
Energy Consumption (Operating Set Point)	240 W/h
Energy Consumption (Reduced Flow Mode)	55 W/h
Outlets	2x rear wall
Sash Opening (Metric)	200mm

Unit Size	Each

❖ Benefit

- GUI Touchscreen Interface,
- LED Interior Illumination
- Cloud Ready Data Output
- Auto Adjusting Cross Beam UV
- Ergonomic Arm Rests
- SmartPort Versatile Access
- SmartFlow Plus Auto Compensation
- 316 Stainless Steel Interior

Thermo Scientific™ Multiskan Sky Microplate Spectrophotometer

The Multiskan Sky Microplate Spectrophotometer is exceptionally convenient and easy to use for virtually any photometric research application, especially nucleic acid and protein analyses.

It is ideal for multi-user environments where a variety of endpoint, kinetic, and spectral assays are run. Results are provided quickly and presented conveniently on Multiskan Sky Microplate Spectrophotometer with touch screen.

In addition, Multiskan Sky offer multiple connectivity options including unique access to Thermo Fisher Connect cloud-based tools. Additionally, the intuitive Thermo ™ SkanIt™ PC Software is powerful enough to address even the most challenging applications.

❖ Benefit

- Stand-alone, can be operated directly on the instrument
- Self-diagnostic feature
- Free wavelength selection
- Compatible with 96- and 384-well plates, with and without lids, or cuvette
- Fast and accurate measurements
- Integrated shaker and incubator
- Automation compatibility for integration with SkanIt Software

❖ **Spesification**

Wavelength selection	:	Monochromator
Light source	:	Xenon flash lamp
Wavelength range	:	200–1000 nm
Read-out range	:	0-3 Abs
Bandwidth	:	<2.5 nm
Resolution	:	0.001 Abs
Linearity @450 nm	:	0–2.5 Abs, ± 2%
Accuracy @450 nm	:	± 1% (0–3 Abs) or ± 0.003 Abs ± 2% (2.0–2.5 Abs)
Precision @450 nm	:	SD <0.003 Abs or CV< 1.0%
Plate type	:	96- and 384-well plates
Cuvette	:	Dimensions (H x W x D): 40-58 x 12.5 x 12.5 mm Beam center height: 8.5 mm, Beam window: ≥2 mm
Low-volume μDrop Plate	:	Measurement area : 16 measurement positions in a 2 x 8 matrix Sample Volume : 2μL to 10μL

Plate Shaking	:	Linear
Measurement Speed (from A1 back to A1)	:	6s, 96-well plate 10s, 384-well plate
Spectral Scanning Speed	:	10 s from 200 to 1000 nm with 1 nm steps
Incubation	:	from ambient +4 ℃ t0 45 ℃
Application	:	Nucleic acids (DNA, RNA) quantitation Protein assays (direct quantitation and colorimetric assays) Cell proliferation, viability, and cytotoxicity assays Apoptosis assays Enzymatic activity assays Spectral and kinetic assays Immunoassays (ELISA) Endotoxin assays Bacterial growth assays