PT. AMKI
High Quality & Technology

PT ARSY MEDIA KARYA INDONESIA

GENERAL LABORATORY

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.

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PRODUCT BY

Thermo SCIENTIFIC

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Promega

Retsch Solutions in Milling & Sieving

MACRON FINE CHEMICALS™

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Finnpipette

Thermo Scientific™ ClipTip™

Ensure a secure seal for every sample. Thermo Scientific™ ClipTip™ Pipette Tips provide a secure seal for every sample with a unique and innovative interlocking technology that ensures a complete seal on every channel with minimal tip attachment and ejection force.

Achieve newfound confidence knowing that once attached, your tips are locked firmly in place, and will not loosen or fall off regardless of application pressure. The innovative three interlocking clip design ensures the tip is held securely on the F1-ClipTip and E1-ClipTip pipettes until — and only until — it is released.

❖ **Benefit**

- Ensure security for your samples
- Complete seal on your Finnpipette F1-ClipTip ™ and E1-ClipTip
- All ClipTip™ are low retentions. It means that the tips minimize liquid retenton and enable maximum sample recovery.

❖ **Spesification**

- Available in racked and reload racked for refill
- Versatile tip range, from 96-format volumes ranging from 12.5μL to 1250μL

Catalogue	Description	Quantity
Cliptip™ Non-Filtered Pipette Tip		
FI 94410040	ClipTip 12.5, Racked, 12.5μL tip, Non-sterile	96 tips/rack, 10 racks/pack

FI 94410050	ClipTip 384 12.5, Racked, 384 format, 12.5μL tip, Non-Sterile	384 tips/rack, 10 racks/pack
FI 94410210	ClipTip 20, Racked, 20μL tip, Non-sterile	96 tips/rack, 10 racks/pack
FI 94410213	ClipTip 20, Racked, 20μL tip , Sterile	96 tips/rack, 10 racks/pack
FI 94410217	ClipTip 20 Reload, 20μL tip, Non-sterile	96 tips/insert, 10 insert/pack
FI 94410250	ClipTip 50 Racked, 50μL tip, Non-sterile	96 tips/rack, 10 racks/pack
FI 94410253	ClipTip 50 Racked, 50μL tip, Sterile	96 tips/rack, 10 racks/pack
FI 94410257	ClipTip 50 Reload, 50μL tip, Non-sterile	96 tips/insert, 10 insert/pack
FI 94410310	ClipTip 200, Racked, 200μL tip, Non-sterile	96 tips/rack, 10 racks/pack
FI 94410313	ClipTip 200, Racked, 200μL tip, Sterile	96 tips/rack, 10 racks/pack
FI 94410317	ClipTip 200 Reload, 200μL tip, Non-sterile	96 tips/insert, 10 insert/pack
FI 94410510	ClipTip 300, Racked, 300μL tip, Non-sterile	96 tips/rack, 10 racks/pack
FI 94410513	ClipTip 300, Racked, 300μL tip, Sterile	96 tips/rack, 10 racks/pack
FI 94410517	ClipTip 300, Reload, 300μL tip, Non-sterile	96 tips/insert, 10 insert/pack

FI 94410518	ClipTip 300, Reload Stacks, 300µL tip, Sterile	96 tips/insert, 10 insert/pack
FI 94410519	ClipTip Empty Rack, Medium	10 racks/pack
FI 94410710	ClipTip 1000, Racked, 1000µL tip, Non-Sterile	96 tips/rack, 8 racks/pack
FI 94410713	ClipTip 1000, Racked, 1000µL tip, Sterile	96 tips/rack, 8 racks/pack
FI 94410810	ClipTip 1250, Racked, 1250µL tip, Non-Sterile	96 tips/rack, 8 racks/pack
FI 94410817	ClipTip 1250, Reload, 1250µL tip, Non-Sterile	96 tips/insert, 8 insert/pack
Cliptip™ Non-Filtered Pipette Tip		
FI 94420213	ClipTip 20, Filter, Racked, Sterile	96 tips/rack, 10 racks/pack
FI 94420313	ClipTip 200, Filter, Racked, Sterile	96 tips/rack, 10 racks/pack
FI 94420513	ClipTip 300, Filter, Racked, Sterile	96 tips/rack, 10 racks/pack
FI 94420518	ClipTip 300, Filter, Reload, Sterile	96 tips/rack, 10 racks/pack
FI 94420713	ClipTip 1000, Filter, Racked, Sterile	96 tips/rack, 8 racks/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

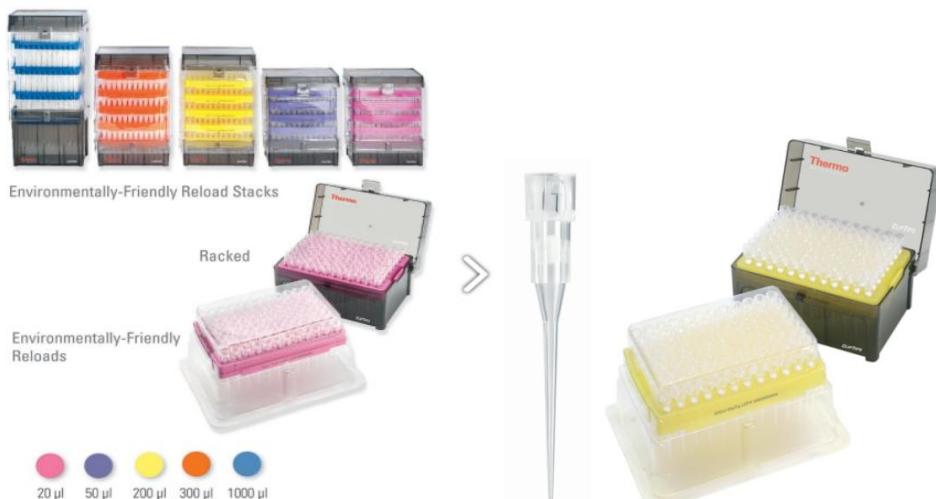| FI 94410510	ClipTip 300, Racked, 10-300µl	Racked, 96 tips/racked, 10 racked/pack
FI 94410513	ClipTip 300, Racked, Sterile, 10-300µl	Racked, 96 tips/racked, 10 racked/pack
FI 94420513	ClipTip 300, Filter, Racked, Sterile, 10-300µl	Racked, 96 tips/racked, 10 racked/pack
FI 94410710	ClipTip 1000, Racked, 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

S1 Pipette Filler

Thermo Scientific™ S1 Pipette Filler is ergonomically designed and offering simple efficient pipetting performance as well as maximum pipetting comfort. Lightweight and cordless, it features as a heavy-duty rechargeable lithium-ion battery that allows approximately three times longer operation between charges than typical units. For use with glass or plastic serological pipets.

ClipTip™ Non-Filtered Pipette Tips

(1005NFP01) ClipTip 20, Racked, Non Sterile, 10 x 96/rack 20 μl
(1005NFP02) ClipTip 50, Racked, NonSterile, 10 x 96/rack 50 μl
(1005NFP03) ClipTip 200, Racked, Sterile, 10 x 96/rack 200 μl
(1005NFP04) ClipTip 300, Racked, Sterile, 10 x 96/rack 300 μl
(1005NFP05) ClipTip 1000, Racked, Sterile, 8 x 96/rack 1000 μl

Certifications/Compliance : Manufactured according to ISO 9001, ISO 14001
           and ISO13485
For Use With (Equipment) : E1-ClipTip electronic pipette
           Thermo Scientific F1-ClipTip manual pipette
Product Line   : ClipTip

*Compatible only For Finpipette Clip Tip

Finnpipette™ F1 Multichannel Pipettes

(1006FMP01) F1-Multichannel, 8 Channel 1-10 μl
(1006FMP02) F1-Multichannel, 8 Channel 5-50 μl
(1006FMP03) F1-Multichannel, 8 Channel 10-100 μl
(1006FMP04) F1-Multichannel, 8 Channel 30-300 μl
(1006FMP05) F1-Multichannel, 12 Channel 1-10 μl
(1006FMP06) F1-Multichannel, 12 Channel 5-50 μl
(1006FMP07) F1-Multichannel, 12 Channel 10-100 μl
(1006FMP08) F1-Multichannel, 12 Channel 30-300 μl
(1006FMP09) F1-Multichannel, 16 Channel 1-10 μl
(1006FMP10) F1-Multichannel, 16 Channel 5-50 μl

Features Benefit

Ergonomically In-touch   **:** Lightweight handle design combined with low plunger, tip attachment and ejection forces help reduce the risk of RSI

Secure Volume Lock   **:** The secure volume setting prevents undesirable volume drift during operation.

Adjustable Comfort   **:** The 120° adjustable finger rest – for both right- and left-handed operator comfort

Super Blow-out   **:** 150% increase in air boost to ensure efficient delivery of micro-volumes

CE marked   **:** CE marked in accordance with IVD Directive in Europe

Thermo SCIENTIFIC

Finnpipette™ Novus Multichannel Pipettes

FINNPIPETTE®

STEPPER

15× 20μl

MENU SPEED

(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 Molecular Work

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

Finnpipette™ F1 Variable Volume Single Channel Pipettes

(**1008VSP01**) Finnpipette™ F1 0,2-2 µl
(**1008VSP02**) Finnpipette™ F1 0,5-5 µl
(**1008VSP03**) Finnpipette™ F1 1-10 µl
(**1008VSP04**) Finnpipette™ F1 2-20 µl
(**1008VSP05**) Finnpipette™ F1 10-100 µl
(**1008VSP06**) Finnpipette™ F1 20-200 µl
(**1008VSP07**) Finnpipette™ F1 30-300 µl
(**1008VSP08**) Finnpipette™ F1 100-1000 µl
(**1008VSP09**) Finnpipette™ F1 0.5-5 ML
(**1008VSP10**) Finnpipette™ F1 1-10 ML

* Recommended For Daily Molecular Work

QSP Low Retention Pipette Tips

Standard Tips   Low Retention Tips

(1009QSP01) Universal fits Low Retention 0.1- 10 µl, 1000/bag
(1009QSP02) Universal fits Low Retention 1- 200 µl, 1000/bag
(1009QSP03) Universal fits Low Retention 100- 1250 µl, 1000/bag

Benefits

- Minimize the formation of films on inside of tip
- Reduce sample retention
- Improve accuracy and precision
- Improve sample recovery
- Improve accuracy and precision
- High clarity pipette tips
- Variety of packaging options, including environmentally friendly tip reload systems

QSP Pipette Tips are free of:

- RNase/Dnase
- DNA
- Pyrogen
- Bioburden
- PCR inhibitors
- Endotoxin ATP

QSP Consumable TIP

(1010QSP01) QSP Tip 0,1-10 ul, 1000/bag
(1010QSP02) QSP Tip 1-200 ul, 1000/bag (Yellow)
(1010QSP03) QSP Tip 100-1000 ul, 1000/bag (Blue)

Recommended For Daily Molecular Work

QSP Pipette Tips are free of:

- RNase/Dnase
- DNA
- Pyrogen
- Bioburden
- PCR inhibitors
- Endotoxin ATP

Thermo SCIENTIFIC

Nunc™ Serological Pipettes

(1011NSP01) Pipette 1 ml, sterile, individually 100/ pack
(1011NSP02) Pipette 2 ml, sterile, individually 100/pack
(1011NSP03) Pipette 5 ml, sterile, individually 50/ pack
(1011NSP04) Pipette 10 ml, sterile, individually 50/ pack
(1011NSP05) Pipette 25 ml, sterile, individually 50 / pack

*Universal Compatible For All Type And Brand Filler Pipette

Certified Calibration of Accuracy and Precise Graduations	Ensures dispensing accuracy +/-2% for 1mL and 2 mL and +/-1% for 5 mL, 10 mL, 25 mL, 50 mL at full volume
Clear, Bold, Bi-directional Graduations	High contrast graduations for easy-to-read volumes
	Reverse graduations aid in determining dispensing volume
Specifications	**Material**: Ultra clear, 100% virgin polystyrene for maximum clarity
	Contaminant Free: RNase/DNase free, Human DNA free, Non-Cytotoxic, Non-Pyrogenic
	Sterility: E-Beam irradiation to SAL of 10^{-5} **Shelf Life**: 5 years from

	Manufacturing Date

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)
- 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

interscience
Laboratories Inc.

(1013FLP01) FlexiPump®
Flexipump Liquid Dispensing

Typical Application: Design For Microbiology Lab.

> 9 ml Tube Filling
> 18 ml Petri Dish Filling
> 90 ml culture media filling
> 225 ml Bag Filing Using Broth Bags

Features:

Dose volume	: 50 μL to 99 L
Dispensing modes	: Continuous - Dose - Multi-dose
Multi-dose pause	: Adjustable from 0.1 to 99.9 s
Watson MarlowTM pump	: Single pump head
Typical precision with 3.2 mm ID tube	: 9 mL: 1.8 % - 18 mL: 1 % - 225 mL: 0.5 %
Delivered with (tubing inner diameter)	: 3.2 mm dispensing assemblies
Flow rates	: 1.5 mL/min. to 1.25 L/min
Rotation per minute	: 10 to 550 rpm
Tubing inner diameter	: From 1 to 8 mm only
Tubing wall thickness	: 1.6 mm only
Tubings made from	: TygonTM for pump head and VersilicTM
Dimensions (w x d x h)	: 16 x 28 x 21 cm
Weight	: 5.5 kg
Power	: 100-240 V 50-60 Hz
All stainless steel	: ✓
1 year guaranteed	: ✓
Include	: Handy Gun

❖ **(1014POL01) POL-EKO APARATURA Fume Hoods**

Specification:

External dimension (W x D x H) : 1280 x 940 x 2575 (mm)
Internal work area (W x D x H) : 1070x 750 x 1100
Recommended Air Flow (m3/h) : 450-650
Exit air sub pipe diameter (mm) : 160
Water Supply   : G ½
Maximum Power Consumption (kW) : 3,5
Power supply   : 230 V/ 50 Hz
Sewage Connection Diameter (mm) : 50
Standard airflow sensor Q-flow type : yes, conformity with
                                          standards PN-EN 14
 Standard equipment   : 2x electrical socket 230V
                                          (IP44) 2x cold water tap 1x
                                          sink
Electrical insulation class   : Class 1
Permissble work board load [kPa] : 2 kPa
Warranty   : 24 months
Interior   : Chemically resistant epoxy
                                           powder coated steel
Internal walls   : Galvanized steel, epoxy
                                           powder coated
Worktop   : solid ceramics: 35-37 mm
                                          thick. With integrayed ceramic
                                           marine edge
The sash window: : frame made of powder
                                           coated stainless steel, safety
                                          at every move and 4 mm
                                          tempered glass

Include :
● 2 x 230V electrical sockets
● 2 x water taps with valves in the front panel
● illumination of working chamber
● air-flow sensor
● Blower Centrifugal PP 30, Diameter 300 mm, Motor: 1.5 kw, 230|1|50 (V/Ph/Hz), 63 dba
● Instalasi Ducting

❖ **HMC HIRAYAMA**

(4003 HVE50) Autoclave HVE50 Hirayama 50 Liter with 3 pcs SS wire Baskets

- Top loading Autoclave : HV Series/HVA 50/ HGD Series
- Front Loading Autoclave : HRH-110/HRG-112/140
- Portable Autoclave : HRM- 222/V
- Benchtop Autoclave : HRM-242

❖ **memmert**

(4004MRT)
- Oven, Vacuum Oven, Hot Air Sterilizer
- Incubator, Coofed incubator, Storage Cooled Incubator
- Water Bath, oil Bath, Shaking water bath
- Humidity Chamber, Constant Climate Chamber

❖

MILLING SIEVING ASSISTING

(**4001RTS**)

- Milling –Rotor Mills, Jaw Crusher, Culting Mills, Mortar Grinders, Disc Mill, Ball Mills-Sample Prep for AAS, NIR, ICP or XRF, DNA

- Sleving-Sieve Shaker & Sieve

- Assisting-sample Divider, Dryer, Peet Press

- XL Series line of Big Crushers and Grinders

❖

Thermo
SCIENTIFIC

(**4002SPR**)

- Education & Basic Quality Control-Visible Spectrofotometer

- Routine to Research-UV Visible Spectorphotometer (Single, Dual& Double Beam)

- Life Science Research-UV Visible Spectrophotometer (Dual & Double Beam)

❖ **Thermo** SCIENTIFIC

(**4005NDC**)

- NanoDrop One Cuvette

  NanoDop 8000 (Multichanel NanoDop)

  NanoDop Lite

❖ **heidolph** research made easy

(**4006RVP**)

- Magnetic Stirrer

- Overhead Stirrers

- Shakers & Mixers

- Rotary Evaporators

- Large Scale Rotary Evaporator

OLYMPUS

(4007MCX-43)

- **Microscope CX-33/CX-43**

Specifications :

- Head: Trinocular, 30 inclined and rotatable 360
- Eyepieces: 10x/20mm FOV
- Nosepiece: Reversed, quadruple
- Objectives: Plan Achromat 4x, 10x, 40x, or 4x, 10x, 40x, & 100x Oil
- Stage: Rackles mechanical stage
- Focusing: Coarse & Fine
- Built in LED illumination
- Abbe condenser : NA1.25/ W.D.- (4 X - 100 X)
- Interpupillary adjustment 48-75 mm

(4007MCX-23)
- **Microscope CX-23**

Spesifikasi :

- Model : CX23LED (Binokuler)
- Body : Aluminium die-casting metal frame, Protective covering
- Optical System : Infinity optical system
- Illumination system : Built in trasnmitted
- illumination system, LED Power Consumption 0.5 W (nominal value)
- Focusing mechanism : Stage height movement (Coarse movement stroke : 15 mm), coarse adjustment limit stopper. Torque adjustment for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 m)
- Revolving nosepiece : Fixed quadruple nosepiece
- Stage : - Wire movement mechanical fixed stage

- Traveling range: 76 mm (X) x 30 mm (Y) - Specimen holder - Specimen position scale
- Observation tube : 30 inclined binocular tube. Interpupilary distance adjustment
- range : 48-75 mm Eyepoint adjustment : 370.0 432.9 mm
- Objectives : Plan achromat, (anti-fungus) 4x NA:0.10 W.D.: 27.8 mm 10x NA: 0.25 W.D.:8.0 mm 40x NA:0.65 W.D.:0.6 mm 100xOil NA:1.25 W.D.:0,13 mm (CX23LEDRFS1 only)
- Eyepiece (10x) : Field Number (FN) : 20 (anti-fungus) br/ Optional Accessories : Reflection mirror (CH20-MM) 15x eyepiece (WHSZ 15X-H: FN 12, anti-fungus) Dedicated wooden case Eyepiece micrometer Darkfied stop (CH2-DS+CH2-FH)

❖ (4008ETS-150) Eutech Thermometer Series 150

Spesifikasi :

- pH Range -2.00 to 16.00 pH
- Resolution 0.01 pH
- Accuracy ±0.01 pH
- Calibration Up to 5 points (USA & NIST)
- Up to 6 points (DIN) mV
- Range ±2000 mV
- Resolution 0.1 mV ±999.9 mV; 1 mV beyond
- Accuracy ±0.2 mV +2 LSD or +0.5 % of reading; whichever is greater
- Calibration ±200 mV
- Temperature Range -10.0 to 110.0 ºC (14.0 to 230.0 ºF)

- Resolution 0.1 ºC/ºF
- Accuracy ±0.5 ºC; ±0.9 ºF
- Calibration Offset in 0.1 increments, ±10 ºC or ±18 ºF
- Others
- Display Three line custom LCD
- Temperature Compensation Automatic or manual from -10 to 110 ºC
- Memory Stores up to 150 data sets
- Power Two AA batteries (included), >700 hours continuous use; AC adapter (optional)
- Dimensions (L x W x H)
- Meter: 7 7/8" x 3 1/8" x 2 1/4" (20 x 8.3 x 5.7 cm)
- Boxed: 9 1/8" x 9 1/8" x 2 3/4" (23 x 23 x 7 cm)
- Weight Meter: 1 lb (0.5 kg)
- Boxed: 1.4 lb (0.7 kg)

❖ (4009AMT) - AMTAST PH Meter AMT-20

Specifications:

- pH Range: -1.00~15.00pH
- pH Accuracy: ±0.01pH
- mV Range: -1000~1000mV
- mV Accuracy:±1mV
- Calibration Points: 1, 2 or 3 points
- Temperature Range: 0~105°C, 32~221°F
- Temperature Accuracy: ±1°C
- Temperature Calibration: Manual
- Temperature Compensation: 0~100°C, 32~212°F, Automatic or Manual
- Auto-Off: Manual or Automatic (180 minutes after last key pressed)
- Hold Function: Manual or Automatic
- Reset Function: Yes
- Connector: BNC
- LCD Display: Custom Dual-Display LCD (135×75mm)
- Power Requirements: DC9V, using AC adapters, 220VAC/50Hz
- Dimensions: 210(L)×205(W)×75(H)mm
- Weight: 1.2kg

❖ **(4010LAF) ESCO Airstream vertical laminar Flow Clean Benches LVG**

ESCO Airstream vertical laminar Flow Clean Benches LVG offer proven protection for your samples and processes where operator protection is not required. Vertical laminar flow offers certain tangible advantages over horizontal flow clean benches (which may be conventional in some parts of the world), such as lower energy consumption (40% of conventional systems) levels through the use of exclusive motorized impeller technology and less airflow turbulence (especially when large objects are used in the work zone). In fact, the negative pressure filter mounting system employed on these models is widely recognized to be superior to that of conventional horizontal flow clean benches.

- ISO Class 3 air cleanliness within work zone as per ISO 14644.1 (Equivalent to Class 10 as per US Federal Standard 209E, 10 times "cleaner" than the usual Class 100 classification on clean benches offered by the competition).

- High-quality polyester pre-filter and main ULPA filter with a typical efficiency of 99.9997% at MPPS and 99.9998% at both 0.3 and 0.12 microns provide the best product protection in the world; typical main ULPA filter lifespan is more than 3 years depending on the usage of the clean bench.

- Mini-pleat separator-less ULPA filter technology reduces energy consumption and delivers increased laminar airflow uniformity for better product and cross contamination protection.

- Integral filter metal guard on both sides prevents accidental damage to ULPA filter; seamless filter gasket is permanently melded on the filter frame and will not deteriorate over time; aerosol (DOP/PAO) challenge test port included.

- Divice type : clean bench

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- Model : LVG A1.8 ; LVG A 1.5 ; LVG A 1.2, LVG A 0.9

- Width : 1001 mm-1100mm ; 1301mm-1400mm ; 1601mm-1700mm ; 1901mm-2000mm

- Height : 1201 mm – 1300 mm

- Depth : 701 mm – 800 mm

- Shipping weight : 175,00 Kg

- Product weight : 135,00 Kg

Dino-Lite®
Digital Microscope

❖ (4011DNO) DinoLite AF3113T/AF3113T(W) Grey / White build in WF-20

Specifications

Model	AF3113T/AF3113T(W) Dino-Lite Premier
Interface	USB 2.0
Product Resolution	640x480 pixels (VGA)
Magnification Rate	10x - 50x, 230x
Sensor	Color CMOS
Frame Rate	Up to 30fps
Save Formats	Image: DinoCapture2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM DinoXcope: PNG, JPEG Movie: DinoCapture2.0: WMV, FLV, SWF DinoXcope: MOV
Microtouch	Touch sensitive trigger on the microscope for taking pictures
Lighting	8 white LED lights switched on/off by software
Measurement Function	Yes
Calibration Function	Yes
Operating System Supported	Windows XP, Vista, 7, 8, 10, Mac OS 10.10+
Unit Weight	100 (g)
Unit Dimension	11.4cm (H) x 3.3cm (D) (4.4" x 1.29")

❖ **(4012DNO-E) Dino-Eyepieces Edge AM7025X**

Aperture Diameter 23, 30, 30.5mm (C-Mount)

Aperture Diameter 30.5mm (C-Mount)

Spesification :

Model   : AM7025X Dino-Eye Edge
Interface   : USB 2.0
Product Resolution : 5M pixels (2592x1944)
Frame Rate : 10fps in 5MP/3MP/2MP, MJPEG
                  25fps in 1.3MP, MJPEG
                  30fps in VGA, MJPEG
Operating System Supported : Windows 10, 8, 7, Vista, XP, Mac OS 10.9 or later
Unit Dimension : 8.0cm (H) x 3.2cm (D)
Unit Weight   : 117g

CONSUMABLE PRODUCT