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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 retention and enable maximum sample recovery.

❖ Specification

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

Catalogue	Description	Quantity
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ClipTip™ Non-Filtered Pipette Tip		
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FI 94410040	ClipTip 12.5, Racked, 12.5µL tip, Non-sterile	96 tips/rack, 10 racks/pack
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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
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FI 94410519	ClipTip Empty Rack, Medium	10 racks/pack
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FI 94410710	ClipTip 1000, Racked, 1000µL tip, Non-Sterile	96 tips/rack, 8 racks/pack
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FI 94410713	ClipTip 1000, Racked, 1000µL tip, Sterile	96 tips/rack, 8 racks/pack
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FI 94410810	ClipTip 1250, Racked, 1250µL tip, Non-Sterile	96 tips/rack, 8 racks/pack
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FI 94410817	ClipTip 1250, Reload, 1250µL tip, Non-Sterile	96 tips/insert, 8 insert/pack
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Clitip™ Non-Filtered Pipette Tip

FI 94420213	ClipTip 20, Filter, Racked, Sterile	96 tips/rack, 10 racks/pack
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FI 94420313	ClipTip 200, Filter, Racked, Sterile	96 tips/rack, 10 racks/pack
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FI 94420513	ClipTip 300, Filter, Racked, Sterile	96 tips/rack, 10 racks/pack
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FI 94420518	ClipTip 300, Filter, Reload, Sterile	96 tips/rack, 10 racks/pack
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FI 94420713	ClipTip 1000, Filter, Racked, Sterile	96 tips/rack, 8 racks/pack
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E1-Clipitip™ Electronic Adjustable Tips Spacing Multichannel Equilizer Pipettes

With enhanced versatility and customization, the Thermo Scientific™ E1-Clipitip™ 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 Clipitip™ pipetting system, the tips will securely locks on every channel
- Enable consistent and reproducible pipetting from user-to-user
- Extremely low attachment and ejection forces to avoid RSI.

❖ Specification

- 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 calibration 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 Finnpiquette 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 delivery 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



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



Finnpipette™ Novus Multichannel Pipettes



- (1007FNM01) Finn timer Novus 8-ch 1 - 10 µl
- (1007FNM02) Finn timer Novus 8-ch 5 - 50 µl
- (1007FNM03) Finn timer Novus 8-ch 30 - 300 µl
- (1007FNM04) Finn timer Novus 8-ch 1200 µl
- (1007FNM05) Finn timer Novus 12-ch 1 - 10 µl
- (1007FNM06) Finn timer Novus 12-ch 5 - 50 µl
- (1007FNM07) Finn timer Novus 12-ch 30 - 300 µl
- (1007FNM08) Finn timer 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) FinnTimer™ F1 0,2-2 µl
- (1008VSP02) FinnTimer™ F1 0,5-5 µl
- (1008VSP03) FinnTimer™ F1 1-10 µl
- (1008VSP04) FinnTimer™ F1 2-20 µl
- (1008VSP05) FinnTimer™ F1 10-100 µl
- (1008VSP06) FinnTimer™ F1 20-200 µl
- (1008VSP07) FinnTimer™ F1 30-300 µl
- (1008VSP08) FinnTimer™ F1 100-1000 µl
- (1008VSP09) FinnTimer™ F1 0.5-5 ML
- (1008VSP10) FinnTimer™ F1 1-10 ML

*** Recommended For Daily Molecular Work**

QSP Low Retention Pipette Tips



*** Recommended For High Accuracy Work With Small Sample**

(1009QSP01) Universal fits Low Retention 0.1- 10 μ l, 1000/bag

(1009QSP02) Universal fits Low Retention 1- 200 μ l, 1000/bag

(1009QSP03) Universal fits Low Retention 100- 1250 μ l, 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



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



(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)



(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 Marlow™ 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	: Tygon™ for pump head and Versilic™
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

Permissible 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 integrated 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

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BS-120

(2001BS120) Chemistry Analyzer

Technical Specifications

System Function: Automatic, discrete, random access, STAT sample priority

Throughput : Up to 100 tests/hour (without ISE), up to 300 tests/hour with ISE (3 ions)

Measuring principles: Absorbance photometry, turbidimetry, Ion Selective Electrode technology

Methodology : End-point, fixed-time, kinetic, optional ISE Single/dual reagent chemistries, monochromatic/bichromatic linear/non-linear multipoint calibration

Programming : Open system with user defined protocols and calculations

Reagent/Sample Handling

Reagent/Sample tray:

Up to 33 positions for sample, up to 35 positions for reagent; 24 hour non-stop refrigerated compartment (4~15°C)

Reagent volume:

R1: 180~450 µl, step by 1 µl

R2: 30~250 µl, step by 1 µl

Sample volume : 3~45 µl, step by 0.5 µl

Reagent/Sample probe :

Liquid level detection, collision protection and inventory checking

Probe cleaning: Automatic washing both interior and exterior

Carry-over < 0.1%

Automatic sample dilution :

Pre-dilution and post-dilution dilution ratio up to 1:150

Dilution vessel: Disposable cuvette

External Barcode Reader

Used for sample and reagent programming; Applicable to various bar code systems including Codabar, ITF (Interleaved Two of Five), Code128, Code39, UPC/EAN, Code 93, capable to communicate with LIS in a bi-directional mode

ISE Module (optional):

Measure parameter: K⁺, Na⁺, Cl⁻

Reaction System:

Reaction rotor : Rotating tray, containing 40 cuvettes

Cuvette : Optical length 5mm

Reaction volume : 180~500 µl

Reaction temperature: 37±0.1°C

Mixing system : Independent mixing bar

Optical System:

Light Source: Halogen-tungsten lamp

Wavelength: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm

Linear range: 0~3.5Abs

Control and Calibration:

Calibration mode: Linear (one-point, two-point and multipoint), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola

Control rules: Westgard multi-rule, Cumulative sum check, Twin plot

Operation Unit:

Operation system: Windows® XP

Professional/Home SP2,

Windows® 7 or above Windows®

VISTA Home/Business

Interface: RS-232

Working Conditions:

Power Supply AC 200~240V, 50/60Hz, 800W or AC 100~130V, 50/60Hz, 800W

Temperature: 15~30°C

Humidity: 35~85%

Water consumption: 2.5L/hour

Dimension:

Bench top: 690mm(W)x570 mm(D)x595 mm(H)

Weight: 75 Kg

- Discrete, random access, fully automated
- 100 tests per hour, up to 300 tests per hour with ISE
- Up to 33 onboard chemistries and 3 ions
- Refrigerated reagent compartment
- Flexible configuration for sample/reagent positions
- Automatic probe cleaning, liquid level detection & collision protection
- 8 wavelengths: 340~670nm
- Automatic dilution for abnormal sample
- External bar code reader (optional)
- Bi-directional LIS interface



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BS-200

(2002BS200) Chemistry Analyzer

Technical Specifications

System Function: Automatic, discrete, random access, STAT sample priority

Throughput : Up to 200 tests/hour (without ISE), up

to 330 tests/hour with ISE
Measuring principles: Absorbance photometry, turbidimetry, Ion Selective Electrode technology

Methodology : End-point, fixed-time, kinetic, optional ISE Single/dual reagent chemistries, monochromatic/bichromatic linear/non-linear multipoint calibration

Programming : Open system with user defined profiles and calculations

Reagent/Sample Handling

Reagent/Sample tray:
 40 positions for reagents and 40 positions for reagent;
 positions for samples in refrigerated compartment (2~12°C)

Reagent volume:

R1: 10~450 µl, step by 1 µl

R2: 10~450 µl, step by 1 µl

Sample volume : 2~45 µl, step by 0.1 µl

Reagent/Sample probe :

Liquid level detection, collision protection and inventory checking

Probe cleaning: Automatic washing both interior and exterior

Carry-over < 0.1%

Automatic sample dilution :

Pre-dilution and post-dilution dilution ratio up to 1:200

Dilution vessel: Disposable cuvette

External Barcode Reader

Used for sample and reagent programming; Applicable to various bar code systems including Codabar, ITF (Interleaved Two of Five), Code128, Code39, UPC/EAN, Code 93, capable to communicate with LIS in a bi-directional mode

ISE Module (optional):

Measure parameter: K⁺, Na⁺, Cl⁻

Throughput: Up to 225 tests per hour

Reaction System:

Reaction rotor : Rotating tray, containing 80 cuvettes

Cuvette : Optical length 5mm

Reaction volume : 150~500 µL

Reaction temperature: 37±0.1°C

Mixing system : Independent mixing bar

Optical System:

Light Source: Halogen-tungsten lamp

Wavelength: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm

Linear range: 0~4.0Abs (10mm conversion)

Resolution: 0.0001Abs

Control and Calibration:

Calibration mode: Linear (one-point, two-point and multipoint), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola

Control rules: Westgard multi-rule, Cumulative sum check, Twin plot

Operation Unit:

Operation system: Windows® XP

Professional/Home SP2,

Windows® 7 or above Windows®

VISTA Home/Business

Interface: RS-232

Working Conditions:

Power Supply AC : AC 200~240V, 50/60Hz, 1000VA or AC 100~130V, 50/60Hz, 1000W

Temperature: 15~30°C

Humidity: 35~85%

Water consumption: 3.5L/hour

Dimension:

Bench top: 860mm(W)x700mm(D)x625 mm(H)

Floor standing: 860mm (W) x700mm (D) x1160mm (H)

Weight:

Bench top: 110 Kg

Cabinet (optional): 51 Kg



- Discrete, random access, fully automated
- 200 tests per hour, up to 330 tests per hour with ISE
- Optional for ISE module and internal bar code reader
- 40 positions for samples and reagents respectively
- Automatic probe cleaning, liquid level detection, collision protection
- Reversed optic system with 8 wavelengths: 340~670nm
- Refrigerated reagent and sample compartment
- Bi-directional LIS interface



BA-88 **(2003BA881) Semi-Auto Chemistry Analyzer**

- End point, kinetics, fixed time and absorbance
- 7 liters (340-630nm) + 1 free position
- Reaction curve and QC graph print-out
- Temperature control: Peltier elements, 25-30-37°C
- Up to 112 tests can be programmed
- Touch screen, large LCD display
- Multi-language available



Technical Specifications

Ligh Source

Quartz-halogen lamp 12V/20W

Wavelength Range

Automatic by 8 positions filter-wheel

7 standard filters: 340, 405, 492, 510, 546, 578, 630nm,

1 position free for optional filter

Bandwidth < 8nm

Stray light: < 1.0% @ 340 nm

Photometric Range

0.0000 to 3.0000 ABS

Resolution: 0.0001 ABS

Stability: 0.002 A/hour

Flowcell

Stainless steel with quartz window

Measuring volume 32 µL

Optical path 10mm

Aspiration volume programmable: 200~2000 µL

Analysis Method

End point, with or without reagent blank

End point, with sample blank and with or without

Kinetic, with or without linearity check

Two point kinetic / fixed time, with or without reagent

Absorbance

Turbidimetry

Linear and non-linear calibration

Absorbance limit

Aspiration volume

Standards

Linearity check

Unit for results

Memory

3200 sample results

Temperature Control

By means of Peltier elements

25, 30, 37 °C ± 0.1 °C

Input

Touch screen

Display

Large LCD display

Printer

Built-in thermal printer

Interface

RS232 serial port

Operating Environment

Temperature: 15°C ~ 30°C

Humidity: 70%

Parameter Settings

Method
Wavelength
Temperature
Reagent blank y/n
Sample blank y/n
Lag time
Measurement time
Reaction type

Power Requirement

220V~, 50/60Hz

110V~, 50/60Hz

Dimension

420mm(H)x380mm(W)x170mm(D)

Weight

7.5 Kg

BC-20s

(2004BC20S) Auto Hematology Analyzer



Technical Specification

Principles

Impedance method for WBC, RBC and PLT counting

Cyanide free reagent for hemoglobin test

Performance

Parameter	Linearity Range	Precision (CV %)
Carryover		
WBC($10^9/L$) $\leq 0.5 \bar{C}$	0-100	$\leq 3.5\%$ (4.0-6.9) $\leq 2.0\%$ (7.0-15.0)
RBC($10^{12}/L$) $\leq 0.5 \bar{C}$	0-8.00	$\leq 1.5\%$ (3.5-6.5)
HGB(g/L) $\leq 0.5 \bar{C}$	0-280	$\leq 1.5\%$ (100-180)
MCV(fL)		$\leq 1.0\%$ (70-110)
PLT($10^9/L$) $\leq 1.0 \bar{C}$	0-1000	$\leq 5.0\%$ (100-149) $\leq 4.0\%$ (150-500)

Parameters

19 parameters: WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC,

HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT

3 histograms for WBC, RBC and PLT

Reagent

M-30D

DILUENT

M-30CFL

LYSE PROBE

CLEANSER

Sample Volume

Prediluted mode

20 L

Whole blood mode

9 L

Throughput

40 samples per hour

Display

8.4 inch TFT Touch Screen

Multi-language

Chinese, English, Spanish, Portuguese, Russian, French, Bahasa Indonesia

Data Storage Capacity

Up to 200,000 results including numeric and graphical

information

Communication

LAN Port supports HL7 protocol

Support bi-directional LIS

Interface

4 USB port (for external printer, software upgrade, barcode reader, WIFI adapter, keyboard and mouse), LAN port (1)

Printout

Thermal recorder, 50 mm wide paper, various printouts formats

External printer optional

Operating Environment

Temperature:

10°C~40°C Humidity:

10%~90%

Air pressure: 70kPa~106kPa

Power Requirement

100V-240V

$\leq 300VA$

50Hz/60Hz

Dimension and Weight

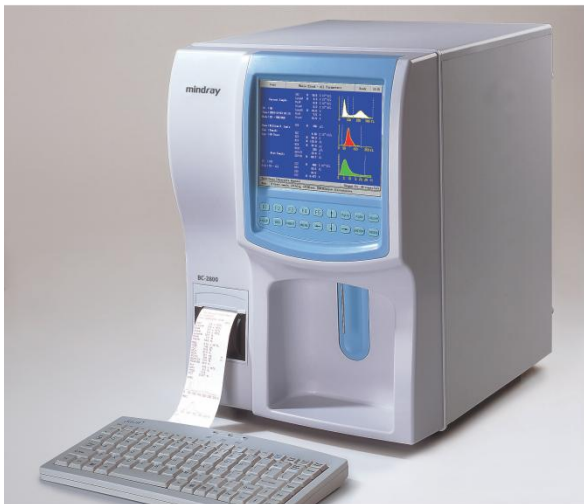
Dimension: Depth(410 mm) x width(300 mm) x

height(400 mm) Weight: $\leq 20Kg$

mindray
healthcare within reach

BC-2800

(2005B2800) Auto Hematology Analyzer



Spesifikasi

- Fully automated, compact, flexible and cost effective
- 3-part differentiation of WBC, 19 parameters + 3 histograms
- Throughput: 30 samples per hour
- Up to 20,000 sample results (including histograms) can be stored
- Cyanide free HGB analysis method 6 counting modes:
- Whole Blood and Prediluted, each with All parameters, WBC/HGB, RBC/PLT
- Built-in thermal recorder, option external printer
- Color LCD display
- User friendly interface makes for ease of use
- High accuracy and reliability
- Throughput of 30 tests per hour fits small laboratory needs

mindray
healthcare within reach

BC-5380

(2006B5380) Auto Hematology Analyzer



Technical Specifications:

Principles

Flow Cytometry (FCM), Semi-conductor Laser scatter, chemical dye method, independent Basophil channel
Impedance method for WBC, RBC, PLT counting
Cyanide-free reagent for Hemoglobin test

Parameters

27: WBC, Lym%, Mon%, Neu%, Eos%, Bas%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, LIC%, LIC#, ALY%, ALY#
3 histograms and 1 scatter gram

Sampling Mode

Autoloader
Closed Tube

Throughput

Up to 60 samples per hour with autoloader
Up to 50 samples per hour with closed tube

Sample Volume

Whole Blood: 20 L
Prediluted: 20 L

Test Mode

CBC CBC+DIFF

Performance

Carryover	Precision	
Linearity		
WBC $\leq 0.5\%$ $\times 10^9/L$	$\leq 2.0\%$ (4-15 $\times 10^9/L$)	0.00-99.99
RBC $\leq 0.5\%$ $\times 10^{12}/L$	$\leq 1.5\%$ (3.5-6.0 $\times 10^{12}/L$)	0.00-8.00
HGB $\leq 0.5\%$	$\leq 1.5\%$ (110-180g/L)	0-250g/L
PLT $\leq 1.0\%$ $\times 10^9/L$	$\leq 4.0\%$ (150-500 $\times 10^9/L$)	0-1000

Data Storage Capacity

Up to 40,000 results including numeric and graphical information

Communication

LAN Port supports HL7 protocol

Operating Environment

Temperature: 15
°C~30°C Humidity:
30~85%
Air Pressure: 70~106 kPa

Power Requirement

A.C.100-240V $\leq 300VA$ 50/60Hz
Weight: $\leq 58 Kg$

BC-6800

(2007B6800) Auto Hematology Analyzer



Technical Specifications:

Principles

SF Cube cell analysis technology for WBC, 5-Part diff, NRBC,

RET and PLT-O

Focusing Flow-DC method for RBC and PL

Cyanide free hemoglobin measurement

Parameters

37 reportable parameters (whole blood): WBC, Lym%, Mon%, Neu%, Bas%, Eos%, IMG%, Lym#, Mon#, Neu#, Eos#, Bas#, IMG#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, RET%, RET#, IRF, LFR, MFR, HFR, RHE, NRBC#, NRBC%, PLT, MPV, PDW, PCT, P-LCR, P-LCC, IPF

17 research parameters (whole blood):

HFC#, HFC%, WBC-R, WBC-D, WBC-B, WBC-N, RBC-O, PLT-O, PLT-I, PDW-SD, InR#, InR%, Micro%, Micro#, Macro%, Macro#, MRV

7 reportable parameters (body fluid): WBC-BF, TC-BF#, MN#, MN%, PMN#PMN%, RBC-BF

7 research parameters (body fluid):

Eos-BF#, Eos-BF%, Neu-BF#, Neu-BF%, HF-BF#, HF-BF%, RBC-BF

2 histograms for RBC and PLT

3 scattergrams (3D) for DIFF, NRBC and RET
6 scattergrams (2D) for DIFF, BASO, NRBC, RET, RET-EXT, PLT-O

Performance Parameter

	Linearity Range	Precision	Carryover
WBC	0-500×10 ⁹ /L	≤2.5% (≥4×10 ⁹ /L)	≤1.0%
RBC	0-8×10 ¹² /L	≤1.5% (≥3.5×10 ¹² /L)	≤1.0%
HGB	0-250g/L	≤1.0% (110-180g/L)	≤1.0%
HCT	0-75%	≤1.5% (30%-50%)	≤1.0%
PLT	0-5000×10 ⁹ /L	≤4.0% (≥100×10 ⁹ /L)	≤1.0%
RET#	0-0.8×10 ¹² /L	≤15% (RBC≥3×10 ¹² /L; 1%≤RET%≤4%)	/

Sample Volume

Predilute mode (capillary blood), Open vial 40 L

Manual mode (whole blood), Open vial 150 L

Autoloader mode (whole blood), Closed vial 200 L

Manual mode (body fluid), Open vial 150 L

mindray

healthcare within reach

Throughput

Up to 125 samples per hour (CBC+DIFF)
Up to 90 samples per hour (CBC+DIFF+RET)
Up to 40 samples per hour (body fluid)

Loading capacity

Up to 100 sample tubes

Mode

CBC, CBC+DIFF, CBC+RET, CBC+NRBC, CBC+DIFF+RET,
CBC+DIFF+NRBC, CBC+DIFF+RET+NRBC, RET

Data storage capacity

Up to 100,000 patient results including all numeric and graphical
Information

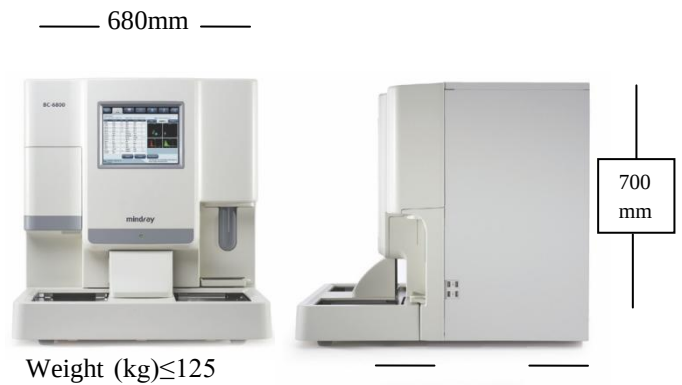
Printout

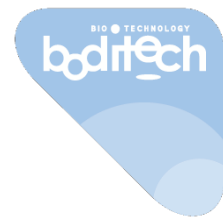
Various printout formats and user-defined formats available

Operating environment

Temperature: 15°C~32°C

Humidity: 30%~85%





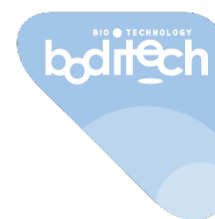
AFIAS-6

(2008AFS06) COMPACT DESKTOP IMMUNO-ANALYZER



SPESIFIKASI

- * 7-inch LCD colour with touch screen
- * Built-in thermal printer
- * RS 232 / USB port / Ethernet / SD card
- * Slot LIS / HIS compatible
- * Very user friendly
- * Full Random system for all channels to all parameters
- * Fast result from 3 - 15 minutes/test
- * sample type from serum/plasma/wholeblood
- * Long Expired date (20 months shelf life)
- * low cost with flexible QC and Calibration
- * Wide range and Buildable parameters
- * Capable capillary sampling
- * Reagents cartridge for good stability
- * Barcode Reader (optional)



AFIAS Parameters

Product class	Test items	Sample type	Working ranges	Reac Time
Cardiac	Tn-I plus	WB/S/P	0.01-15.00 ng/mL	12 min.
	CK-MB	WB/S/P	3-100 ng/mL	12 min.
	D-Dimer	WB/P	50-10,000 ng/mL	12 min.
	NT-proBNP	WB/S/P	10-30,000 pg/mL	15 min.
	Myoglobin	WB/S/P	2-500 ng/mL	
Cancer	PSA	WB/S/P	0.5-100.0 ng/mL	15 min.
	AFP	WB/S/P	5-350 ng/mL	15 min.
	CEA	S/P	1-500 ng/mL	12 min.
Diabetes	HbA1c	WB	(NGSP) 4-15 %	10 min.
	Microalbumin	Urine	2-300 mg/L	12 min.
Hormone	TSH	S/P	0.09-80.00 μ IU/mL	15 min.
		WB	0.4-80.0 μ IU/mL	15 min.
	T3	S/P	0.77-7.70 nmol/L	10 min.
	T4	S/P	10.23-300.00 nmol/L	10 min.
	FSH	WB/S/P	1-100 mIU/mL	12 min.
	Total β hCG	WB/S/P	5-50,000 mIU/mL	15 min.
	LH	S/P	1-100 mIU/mL	12 min.
	PRL	WB/S/P	1-100 ng/mL	10 min.
	Cortisol	WB/S/P	80-800 nmol/L	10 min.
Infection	CRP	WB/S/P	0.5-200.0 mg/mL	3 min.
	PCT	WB/S/P	0.1-100.0 ng/mL	12 min.

SK-500III/IIIA/IIIB/IIIC (2009SK500) Multi-channel Syringe Pump

SK-500III series is designed for neonatal, pediatric and adult patients in the OR, ICU, CCU and Neurology department



Features

- Designed for multiple drug injection application (up to 8 pumps)
- Only one power cord for multi-channel pumps
- Innovative Link Mode offers continuous injection to improve safety for patients
- Drug library with all the most used drugs
- History record review and last configuration memory
- Anti-bolus system to reduce significantly bolus after occlusion release
- Change the flow rate while operating
- Manual bolus and automatic bolus
- Wireless data transmission with infusion supervision system and bedside workstation (optional)

Technical Specifications

	SK-500III	SK-500IIIA	SK-500IIIB	SK-500IIIC
Syringe Pump	2-channel Syringe Pump	4-channel Syringe Pump	6-channel Syringe Pump	8-channel Syringe Pump
Syringe Type	5, 10, 20, 30, 50 ml			
Operating Mode	1) Flow rate mode, rate range: 0.1 – 1500.0 ml/h, maximum rate value depends on different syringes 2) Time mode, time range: 1-2000min, Preset Volume: 0.1-999.9ml 3) Body weight mode, weight range: 0.1 – 300.0kg, drug limit: 0.1-999.9mg, drug unit: mg/g, dose limit: 0.1 – 1500.0, dose unit: ug/kg/min or mg/kg/h, preset volume range: 0.1 – 999.9ml 4) Link mode			
Flow Rate Range	5 ml syringe: 0.1 ml/h – 100 ml/h 10 ml syringe: 0.1 ml/h – 200 ml/h 20 ml syringe: 0.1 ml/h – 400 ml/h 30 ml syringe: 0.1 ml/h – 600 ml/h 50 ml syringe: 0.1 ml/h – 1500 ml/h			
Increment	0.1ml/h			
Accumulated Injection Volume	0.1 - 999.9 ml			
KVO Rate	0.1-5.0ml/h adjustable			
Drug library	40 drugs			

History record	1500 records (Operation status, Infusion Information, Alarms)			
Saved Syringe brands	15 brands (optional)			
Bolus Rate	5 ml syringe: 100 ml/h; 10 ml syringe: 200 ml/h; 20 ml syringe: 400 ml/h; 30 ml syringe: 400 – 600 ml/h adjustable; 50 ml syringe: 600 – 1500 ml/h adjustable			
Accuracy	± 3%			
Display				
Screen	Independent 3 inch color TFT screen for each pump channel			
Information	Operation Mode, Flow Rate, Accumulated Injection Volume, Syringe Size, Battery Capacity, Bed No., AC power indicator, Battery charge indicator, Check the Syringe, etc.			
Status Indicator	Stop, Run, Bolus, KVO			
Alarm Type				
Finish, Near, Syringe Empty, Syringe Disengaged, Occlusion, System Error, Battery Empty, Low Battery, Reminder to Operate, No AC Power, Memory Error, Motor Error				
Occlusion Alarm Pressure Range: 3 levels: 70kPa, 100kPa, 130kPa (±30kPa), 100kPa as default				
Battery				
Type	Lithium polymer battery			
Life	Up to 2 hours continuous operation@5 ml/h flow rate with 1600mAh battery			
Environment				
Temperature	5 - 40 C for operating; -40 - 50 C for storage			
Air Pressure	86 - 106 kPa for operating; 50 - 106 kPa for storage			
Humidity	20 % - 80 % for operating; 10 % - 95 % for storage			
Others				
Classification	Class II, Type BF			
Dimension	320mm(L) ×110mm(D) ×200mm(H)	320mm(L) ×110mm(D) ×400mm(H)	320mm(L) ×110mm(D)	320mm(L) ×110mm(D) ×800mm(H)
Weight	3.4kg	7.0 kg	10.4 kg	14 kg
Power Supply	100 - 240 VAC, 50/60 Hz			
Waterproof level	IPX3			

SurePlus®



(2010SIS01) INFUSION SET



SurePlus Infusion Set

- Y Type, 150 cm, elastic ball, airvent, 25 pcs / bag
- 20 tetes/ml $\pm 0,1$ ml

SurePlus Pediatric Infusion Set

- Y Type, 150cm, elastic ball, airvent, 25 pcs / bag
- 60 tetes/ml $\pm 0,1$ ml
- Bahan medical plastik poliolefin
- Design easy handling & minimal kontaminasi
- Sterilisasi dengan Ethylene Oxide

(2011STS01) TRANSFUSION SET



SurePlus Transfusion Set

- 150 cm, elastic ball, airvent 25 pcs / bag
- Bahan medical plastik poliolefin
- 20 tetes/ml: $\pm 0,1$ ml
- Design easy handling & minimal kontaminasi
- Sterilisasi dengan Ethylene Oxide

SYRINGE



SurePlus Syringe + needle

- (2012SSN01)** 1 ml + Needle 27G x 1/2" 100 pcs / box
- (2012SSN02)** 3 ml + Needle 23G x 1 1/4" 100 pcs / box
- (2012SSN03)** 5 ml + Needle 22G x 1 1/2" 100 pcs / box
- (2012SSN04)** 10ml + Needle 21G x 1 1/2" 100 pcs/box

- Bahan medical plastik poliolefin
- Steril, bebas pirogen, nyaman, aman
- Good biological compatibility
- Sesuai dengan ISO7886 dan GB 15810
- Sterilisasi dengan Ethylene Oxide



CONNECTOR



(2013SPM50) SurePlus Manifold

- luerlock, 500Psi, 3 Port, 4 line, kemasan individu
- Lumen Internal besar 112,3mm
- Cocok untuk power Injection dengan tekanan tinggi
- Bebas latex
- High flow rate

) SurePlus Manifold Needleless

- Manifold 3 line
- Sambungan tanpa Jarum
- Cocok untuk di ICU
- Lembut dan Fleksibel

NEEDLE & SCALP VEIN SET



(2014SHN23) SurePlus Hypodermic Needle

- 23G x 1 1/4" 100 pcs / box

2014SSV23 SurePlus Scalp Vein Set

- 23G x :r4' 100 pcs / box
- 25G x :r4' 100 pcs / box
- Bahan medical plastik polyolefin & stainless steel
- Steril, bebas pirogen, nyaman. aman
- Teknik pemotongan & penajaman jarum menjaringkan berkurangnya rasa sakit
- sesuai dengan ISO7864

SURGICAL GLOVES



(2015SSG06) SurePlus Surgical Gloves

- Ukuran: 6,0; 6,5; 7,0; 7,5; 8,0
- Isi 50 pairs/box
- Bahan medical grade of latex
- Tipis
- Sensitif
- Kuat
- Asian Curve
- Light powder
- Grip/kontur di telapak tangan supaya tidak licin

FACEMASK



(2016FAL03) SurePlus Facemask

- Tersedia : Tie On dan Earloop
- Isi 50 pcs/box
- Masker 3ply
- Lolos uji sertifikasi BFE, PFE, VFE > 99.5% oleh Nelson Laboratories

SUCTION CATHETER



(2017SSC01) SurePlus Suction Catheter

- Ukuran : 6. 8. 10. 12. 14, 16, 18 Fr panjang 40cm
- Terbuat dari medical grade of plastic
- Tubing lembut
- Ujung tubing tidak tajam sehingga nyaman bagi pasien

SurePlus



(2019SPU02) URINE BAG



SurePlus Urine Bag

- Terbuat dari medical grade of plastic
- Tersedia kemasan 10 pcs/bag
- Steril
- Volume 21l
- Non return valve
- Tvalve
- Tali hanger pengikat

(2020SAS01) ALCOHOL SWAB



SurePlus Alcohol Swab

- Kapas Isopropyl Alkohol 70%
- Tersedia kemasan 100 pcs/box
- Kualitas terjamin
- Praktis tangkapan pakai

(2021SNO11) NASAL OXYGEN CANNULA



SurePlus Nasal Oxygen Cannula

- Tubing terbuat dari medical grade
- Tersedia ukuran : Adult, Pediatric, Infant and Neonate
- Ukuran Asia
- Panjang 2m
- Lembut

IV CATHETER

Euro - Flow 1 way



(2022CFW01)	18 G x 1 3/4"	wama hijau	100 pcs / box
(2022CFW02)	20 G x 1 1/4 "	wama merah muda	100 pcs / box
(2022CFW03)	22 G x 1"	wama biru	100 pcs / box
(2022CFW04)	24 G x 3/4"	wama kuning	100 pcs / box

- Minimal terjadi thrombosis pembuluh darah
- Thin wall maximum flow rate
- Catheter dengan Radiopaque lines
- Kemasan kuat dengan medical tyvek paper
- Sterilisasi dengan Ethylene Oxide
- Bahan PTFE double tapered bevel tip silicon

Euro - Flow with Port



(2023SCP01)	18 G x 1 3/4"	wama hijau	100 pcs / box
(2023SCP02)	20 G x 1 1/4 "	wama merah muda	100 pcs / box
(2023SCP03)	22 G x 1"	wama biru	100 pcs / box
(2023SCP04)	24 G x 3/4"	wama kuning	100 pcs / box
(2023SCP05)	26 G x 3/4"	warna ungu	100 pcs / box

- Minimal terjadi thrombosis pembuluh darah
- Thin wall maximum flow rate
- Catheter dengan Radiopaque lines
- Kemasan kuat dengan medical tyvek paper
- Sterilisasi dengan Ethylene OXide
- Bahan PTFE double tapered bevel tip silicon
- Injection valve dengan tanpa allran batik
- Didesain mencegah kontaminasi saat valve tidak dipakai

(2024SFC01) SAFETY IV CATHETER WITH PORT



Safety Euro - Flow with Port

- 18 G x 1 3/4" wama hijau
- 20 G x 1 1/4 " wama merah muda
- 22 G x 1 " wama biru
- 24 G x 3/4" wama kuning
- Semua benefit IV Catheter with Port
- IV Catheter Port yang safety
- Add tornbol pengdktlf
- Seluruh jarum masuk dalam tabung

- 25 pcs / box
- 25 pcs / box
- 25 pcs / box
- 25 pcs / box

(2024SFC02) FOLEY CATHETER



Euro - Latex Foley Catheter

- 8 warna hitam 20 pcs / box
- 10 warna abu-abu 20 pcs / box
- 12 warna putih 20 pcs / box
- 14 warna hijau 20 pcs / box
- 16 warna orange 20 pcs / box
- 18 warna merah 20 pcs / box
- 20 warna kuning 20 pcs / box
- 22 warna ungu 20 pcs / box
- 24 warna biru 20 pcs / box
- Dilapisi sliikon darllatex alami
- Lubang di dua 515, balon 1 meter
- Aman dengan kode warna
- Sterilisasi dengan Ethylene Oxide

SurePlus



(2025WSC00) CONNECTOR:



Euro 3 way Stop Cock

50 pcs / box

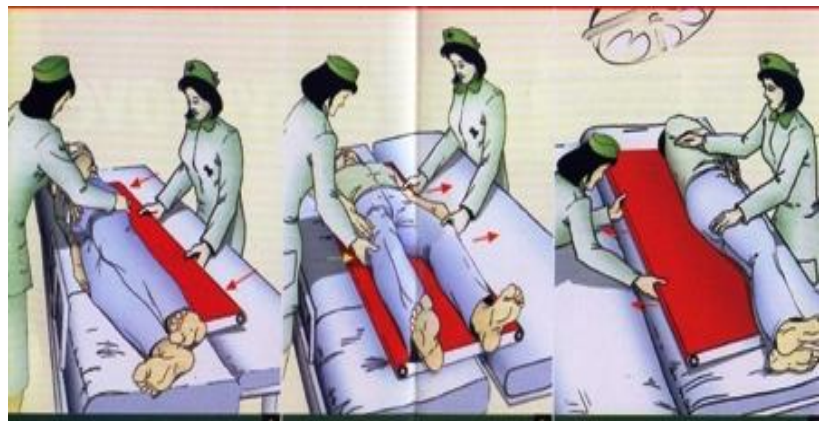
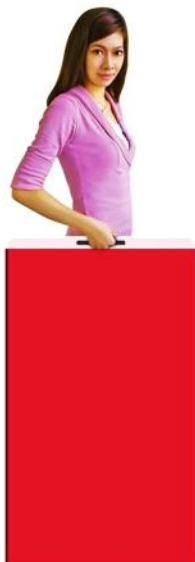
Dead space di port minimal, lebih akurat

Maximum Infusion flow

Mencegah turbulensi yang membentuk gelembung udara

Arah panah menunjukkan arah aliran

(2026FLY20) FLY-220 Easymove



Spesifikasi :
Item No. : Fly-220 Easymove
Deskripsi : Pemindah Pasien Antar Tempat Tidur
Ukuran : 170* 50 cm
Material : Nylon, Plywood/Poly Propylene,
Water Resistant
Warna : Hijau atau merah
Patent No. : ZL00227606.2 SDA No. : 2004/1560007
Features : Mudah untuk dibersihkan dan disterilisasi.
Untuk perbedaan tinggi tempat tidur sebesar
15 cm, bisa menanggung beban 200 kg.

Palindrome™ symmetric tip Dual Lumen catheter



Ease of Use

During Insertion

- Enhanced soft, atraumatic green tip design
- Thermosensitive polyurethane material
- Catheter shaft depth markings
- Reinforced catheter hub

During Treatment

- High flow rates
- Easy to read laser – etched priming volumes on catheter clamps
- Catheter shaft depth marking
- Multiple precurved catheter shaft configuration

(3001PSDL1) Palindrome 19/36 KIT W/SLOT

(3001PSDL2) Palindrome 24/40 KIT W/SLOT

(3001PSDL3) Palindrome 28/45 KIT W/SLOT

(3001PSDL4) Palindrome 33/50 KIT W/SLOT

MAHURKAR™* Curved Extension Dual lumen catheters, sterile



- Patented curved extensions for jugular placement
- 180° curve bends away from patient's neck
- Made of flexible radiopaque polyurethane with a radiopaque tip
- Patented Double-D™ lumen design
- Rotatable transparent suture wings
- Catheter extensions imprinted with name, length and priming volumes

(1) 11.5Fr Catheter

(2) sealing caps

(3) Sterile

(3002MCDL1) Mahurkar double lumen 12Fr x 16CE

(3002MCDL2) Mahurkar double lumen 12Fr x 20CE

(3002MCDL3) Mahurkar double lumen 12Fr x 16SE

(3002MCDL4) Mahurkar double lumen 12Fr x 20SE

(3002MCDL5) Mahurkar double lumen 12,5Fr x 16CE

(3002MCDL6) Mahurkar double lumen 12,5 Fr x 20CE

(3003SSC01) Safety Storage Cabinet

Q-CLASSIC-90 model Q90.195.120 with Recirculating Air Filter System (RAF)

Description:

Fire resistant - Safe and approved storage of flammable hazardous substances in working areas

Function / construction:

- Robust construction in a modern design – Triple hinged door and scratch-and impact resistant Surface
- Wings doors - which stop in any position and are self-closing in the event of fire
- Different interior equipment - makes it possible to choose for each individual application the suitable cabinet
- Protecting seals - avoid the exposure of vapors and protect content from ignition sources
- Advanced ventilation system - ensures complete, uniform ventilation of cabinet interior
- Secure cylinder lock - with a locking state indicator prevents unauthorized use
- Integrated transport base - for an easy transport of the cabinet
- Adjustable leveling feets - for stability on uneven Surfaces



Medtronic

Specifications:

Dimension

External dimensions W x D x H (mm) : 1193 x 615 x 1953

Internal dimensions W x D x H (mm) : 1050 x 522 x 1647

Weight/Load

Weight without interior equip (kg) : 424

Maximum load (kg) : 600

Distributed load kg/m² : 531

Ventilation

air change 10 times (m³/h) : 9

Different pressure (air change 10 times) (Pa) : 5

Different ptnessure (air change 10 times
EKS/AK4) : 5

**Recirculating Air filter System (RAF
System)** : **Yes**

Colouring / Surface finish

Body colour code : RAL 7016

Body colour : Anthracite Grey

Body surface finish : textured

Door / Drawer colour code : RAL 1004

Door / Drawer colour : Warning Yellow

Door / Drawer surface finish : textured

General Information

Entry width transport base (mm) 1120

Entry height transport base (mm) 90

Interior Equipment

: 3 shelves, 1 perforated insert, 1 bottom collecting sump
(sheet steel powder-coated)

Q-mover 2 pieces, steel powder-coated textured RAL
7016

Base cover/plinth panel sheet steel powder-coated textured
RAL 7016

Medtronic

SOLUTIONS FOR ALL YOUR AIRWAY NEEDS



McGrath MAC



TaperGuard™ Evac Oral Tracheal Tube



DAR™ Close Suction System



DAR™ Breathing Circuits



DAR™ HME Filter



Shiley™ Tracheostomy Tube

Medtronic

(3004AN001) BASIC ETT (ENDOTRACHEAL TUBE)

Curity Uncuffed

CODE	SIZE
9320E	2.0 MM
9325E	2.5 MM
9335E	3.0 MM
9336E	3.5 MM
9342E	4.0 MM
9345E	4.5 MM
9350E	5.0 MM
9360E	5.5 MM
9366E	6.0 MM
9369E	6.5 MM



Curity Cuffed

CODE	SIZE
9430E	3.0 MM
9440E	4.0 MM
9450E	5.0 MM
9555E	5.5 MM
9460E	6.0 MM
9465E	6.5 MM
9570E	7.0 MM
9475E	7.5 MM
9480E	8.0 MM
9485E	8.5 MM
9590E	9.0 MM
9495E	9.5 MM



Hi-Contour Cuffed

CODE	SIZE
10730	3.0 MM
10735	3.5 MM
10740	4.0 MM
10745	4.5 MM



(3004AN002) SPECIAL ETT (ENDOTRACHEAL TUBE)

Contour Uncuffed

CODE	SIZE
11120	2.0 MM
11125	2.5 MM
11130	3.0 MM
11135	3.5 MM
11140	4.0 MM
11145	4.5 MM
11150	5.0 MM
11155	5.5 MM
11160	6.0 MM
11165	6.5 MM



Taperguard

CODE	SIZE
18750	5.0 MM
18755	5.5 MM
18760	6.0 MM
18765	6.5 MM
18770	7.0 MM
18775	7.5 MM
18780	8.0 MM
18785	8.5 MM
18790	9.0 MM
18795	9.5 MM
18710	10.0 MM



Taperguard Evac

CODE	SIZE
18860	6.0 MM
18865	6.5 MM
18870	7.0 MM
18875	7.5 MM
18880	8.0 MM
18885	8.5 MM
18890	9.0 MM



Medtronic

(3004AN003) SAFETY FLEX REINFORCED / NON KINKING

Safety Flex Uncuffed

CODE	SIZE
127302	3.0 MM
127352	3.5 MM
127402	4.0 MM
127452	4.5 MM
127502	5.0 MM
127552	5.5 MM
127602	6.0 MM
127652	6.5 MM
127702	7.0 MM



Safety Flex Cuffed

CODE	SIZE
11830	3.0 MM
11835	3.5 MM
11840	4.0 MM
11845	4.5 MM
11850	5.0 MM
11855	5.5 MM
11860M	6.0 MM
11865M	6.5 MM
11870M	7.0 MM
11875M	7.5 MM
11880M	8.0 MM
11885M	8.5 MM
11890M	9.0 MM
11895M	9.5 MM



(3004AN004) RAE ORAL/NASAL

RAE Oral

CODE	SIZE
UNCUFFED	
11330	3.0 MM
11335	3.5 MM
11340	4.0 MM
11345	4.5 MM
11350	5.0 MM
11355	5.5 MM
11360	6.0 MM
11365	6.5 MM
11330	7.0 MM
CUFFED	
11540	4.0 MM
11545	4.5 MM
11550	5.0 MM
11555	5.5 MM
11560	6.0 MM
11565	6.5 MM
11570	7.0 MM
11575	7.5 MM
11580	8.0 MM
11585	8.5 MM
11590	9.0 MM



RAE Nasal

CODE	SIZE
UNCUFFED	
11430	3.0 MM
11435	3.5 MM
11440	4.0 MM
11445	4.5 MM
11450	5.0 MM
11455	5.5 MM
11460	6.0 MM
11465	6.5 MM
11470	7.0 MM
CUFFED	
11960	6.0 MM
11965	6.5 MM
11970	7.0 MM
11975	7.5 MM
11980	8.0 MM



Medtronic

CODE	PRODUCT DESCRIPTION
30NEO	NEO UNCUFFED 3.0 MM
35NEO	NEO UNCUFFED 3.5 MM
40NEO	NEO UNCUFFED 4.0 MM
45NEO	NEO UNCUFFED 4.5 MM
50PED	PAED UNCUFFED 3.0 MM
35PED	PAED UNCUFFED 3.5 MM
40PED	PAED UNCUFFED 4.0 MM
45PED	PAED UNCUFFED 4.5 MM
50PED	PAED UNCUFFED 5.0 MM
55PED	PAED UNCUFFED 5.5 MM
40PDC	PAED CUFFED 4.0 MM
45PDC	PAED CUFFED 4.5 MM
50PDC	PAED CUFFED 5.0 MM
55PDC	PAED CUFFED 5.5 MM
4CFN	ADULT UNCUFFED FEN. 5.5 MM
6CFN	ADULT UNCUFFED FEN. 6.4 MM
8CFN	ADULT UNCUFFED FEN. 7.6 MM
10CFN	ADULT UNCUFFED FEN. 8.9 MM
4CFS	ADULT UNCUFFED 5.5 MM
6CFS	ADULT UNCUFFED 6.4 MM
8CFS	ADULT UNCUFFED 7.6 MM
10CFS	ADULT UNCUFFED 8.9 MM
4FEN	ADULT CUFFED FEN. 5.5 MM
6FEN	ADULT CUFFED FEN. 6.4 MM
8FEN	ADULT CUFFED FEN. 7.6 MM
10FEN	ADULT CUFFED FEN. 8.9 MM
4LPC	ADULT CUFFED 5.5 MM
6LPC	ADULT CUFFED 6.4 MM
8LPC	ADULT CUFFED 7.6 MM
10LPC	ADULT CUFFED 8.9 MM
4CN65R	FLEXIBLE TAPPERGUARD CUFFED 6.5MM
5CN70R	FLEXIBLE TAPPERGUARD CUFFED 7.0MM
6CN75R	FLEXIBLE TAPPERGUARD CUFFED 7.5MM
7CN80R	FLEXIBLE TAPPERGUARD CUFFED 8.0MM
8CN85R	FLEXIBLE TAPPERGUARD CUFFED 8.5MM
9CN90R	FLEXIBLE TAPPERGUARD CUFFED 9.0MM
10CN10R	FLEXIBLE TAPPERGUARD CUFFED 10.0MM

	Cuff		Uncuff	
	LPC	FEN	CFS	CFN
Adult				
Neo/Ped	PDC		NEO	PED
				

Shiley Taperguard Cuffed



Speaking Valve With O2 Port

CODE
SSVO



(3004AN005) Shiley Taperguard Cuffed

(3004AN005) Speaking Valve with O2 Port

Medtronic

(3004AN007) DOUBLE LUMEN ENDOTRACHEAL TUBE

Combitube

CODE	SIZE
518537	37 FR
518541	41 FR



BronchoCath

CODE	SIZE
12528	LEFT 28 FR
12532	LEFT 32 FR
12535	LEFT 35 FR
12537	LEFT 37 FR
12539	LEFT 39 FR
12541	LEFT 41 FR
125351	LEFT 35 FR CH
125371	LEFT 37 FR CH
125391	LEFT 39 FR CH
125411	LEFT 41 FR CH
12635	RIGHT 35 FR
12637	RIGHT 37 FR
12639	RIGHT 39 FR
12641	RIGHT 41 FR

Note: CH = Carina Hook



(3004AN008) LARYNGEAL MASK

CODE	SIZE	BODY WEIGHT (Kg)
33710	1	< 5
33715	1.5	5-10
33720	2	10-20
33725	2.5	20-30
33730	3	30-50
33740	4	50-70
33750	5	70-100
33760	6	>100



Medtronic

(3004AN009) DAR CLOSED SUCTION

CODE	SIZE
444S02605	NEO/PAED 5 CH
444S02606	NEO/PAED 6 CH
444S02607	NEO/PAED 7 CH
444S02608	NEO/PAED 8 CH
444SP02110	ADULT 10 CH
444SP02112	ADULT 12 CH
444SP02114	ADULT 14 CH
444SP02116	ADULT 16 CH



Neo/Paed



Adult

(3004AN010) DAR FILTER & HME (ELECTROSTATIC)

CODE	PRODUCT DESCRIPTION
3505865	FILTER MACHINE (BARRIERBAC)
3505879	FILTER PATIENT (BARRIERBAC-S)
3525877	FILTER HME (HYGROBAC)
35319004	TRACHEOLIFE II T-PIECE HME

BARRIERBAC
T3505865BARRIERBAC-S
T3505879HYGROBAC
T3525877TRACHEOLIFE
T35319004

Medtronic

ACCESSORIES

Styler

CODE	SIZE
85863	6 FR Sterile (S)
85864	10 FR Sterile (M)
85865	14 FR Sterile (L)
11606	6 FR Clean Pack (S)
11610	10 FR Clean Pack (M)
11614	14 FR Clean Pack (L)

Guedel

CODE	SIZE	LENGTH
2877839	000	30MM
2877838	00	40MM
2877636	0	50MM
2877635	1	60MM
2877634	2	70MM
2877633	3	80MM
2877632	4	90MM
2877631	5	100MM
2877643	6	110MM

Note : All Sterile



Nasopharyngeal Airway

CODE	SIZE
8888247015	20 FR / 6.0 mm
8888247023	24 FR / 6.5mm
8888247031#	28 FR / 7.0 mm
8888247049#	30 FR / 7.5mm
8888247056#	32 FR / 8.0 mm
8888247064	34 FR / 8.5 mm

Breathing Circuit



CODE	PRODUCT DESCRIPTION
300/13315	22MM ADULT PP ANESTHESIA, 60/180CM
300/13330	22MM ADULT PP ANESTHESIA, 60/180CM, 2L BREATHING BAG AND CONNECTOR

Cuff Pressure Gauge



CODE
10902#

(3004AN011) VIDEO LARYNGOSCOPE

McGRATH[®] MAC

The McGRATH[®] MAC enhanced direct laryngoscope (EDL) is a device that combines the benefits of both direct laryngoscopy (DL) and video laryngoscopy (VL).

CODE	DESCRIPTION
300-000-000	MCGRATH MAC HANDLE
340-000-000	250 MINUTE BATTERY PACK
350-017-000	MCGRATH MAC BLADE SIZE 2
350-005-000	MCGRATH MAC BLADE SIZE 3
350-013-000	MCGRATH MAC BLADE SIZE 4
X3-003-000	MCGRATH MAC BLADE SIZE X3



General Laboratory



(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



(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



(4001RTS)



- Milling –Rotor Mills, Jaw Crusher, Culting Mills, Mortar Grinders, Disc Mill, Ball Mills-Sample Prep for AAS, NIR, ICP or XRF, DNA
- Slewing-Sieve Shaker & Sieve
- Assisting-sample Divider, Dryer, Peet Press
- XL Series line of Big Crushers and Grinders



(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)





(4005NDC)



- NanoDrop One Cuvette
- NanoDop 8000 (Multichanel NanoDop)
- NanoDop Lite



(4006RVP)



- Magnetic Stirrer
- Overhead Stirrers
- Shakers & Mixers
- Rotary Evaporators
- Large Scale Rotary Evaporator



(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. Interpupillary 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 (CX23LED RFS1 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 Darkfield 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 °C (14.0 to 230.0 °F)
- Resolution 0.1 °C/°F
- Accuracy ± 0.5 °C; ± 0.9 °F
- Calibration Offset in 0.1 increments, ± 10 °C or ± 18 °F
- Others
 - Display Three line custom LCD
 - Temperature Compensation Automatic or manual from -10 to 110 °C
 - 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: ± 0.01 pH
- mV Range: -1000~1000mV
- mV Accuracy: ± 1 mV
- 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.
- Device type : clean bench
- 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

Image:

DinoCapture2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM

Save Formats

DinoXscope: PNG, JPEG

Movie:

DinoCapture2.0: WMV, FLV, SWF

DinoXscope: 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

Windows XP, Vista, 7, 8, 10, Mac OS 10.10+

Supported

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)



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



Promega