





## MICROALBUMIN CREATININE TEST STRIPS

Microalbumin and Creatinine test strips gives a one-minute, semi-quantitative test for microalbuminuria.



### ACCURATE RESULTS

- Detect microalbumin as low as 30mg/L and provides better sensitivity compared to protein parameter.
- Quickly identifies patients who are at risk for developing microalbuminuria and early kidney damage.

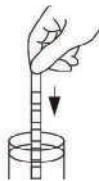
### CONVENIENT OPERATION

- Gives 3 results in one test; microalbumin, creatinine, microalbumin/creatinine ratio
- Random test, no requirement of 24-hour urine sample.
- Easy to use, on site test with results in 60 seconds.

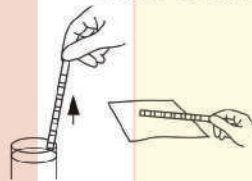
### EFFECTIVE TESTING

- Quickly predicts glomerular damage in the absence of nephropathy
- Effective urine test for patients with kidney disease who are at a high risk for diabetes and hypertension, patients with immune disorders and patients who have been exposed to nephrotoxins.

### TEST PROCEDURE



Step 1: Immerse strip into urine



Step 2: Remove excess urine



Step 3: Obtain results by analyzer or visual reading

### SPECIFICATIONS

PARAMETER	READ TIME	TEST RANGE	STORAGE TEMPERATURE
Albumin	60 seconds	10-150 mg/L	Room Temperature of refrigerated (2-30°C or 36-86 °F)
Creatinine	60 seconds	10-300mg/L (0.9-26.5 mmol/L)	

### INTERPRETATION OF A:C RATIO RESULTS

Albumin (mg/L)	Creatinine (mg/L)				
	10	50	100	200	300
10	Recollect Sample*	Normal**	Normal**	Normal**	Normal**
30	High Abnormal	Abnormal	Abnormal	Normal**	Normal**
80	High Abnormal	Abnormal	Abnormal	Abnormal	Normal**
100	High Abnormal	High Abnormal	Abnormal	Abnormal	Abnormal

- If specimen is too diluted to accurately determine ratio result. Repeat test on new specimen, preferably a first morning collection.
- Both albumin and A:C ratio results should be taken under consideration to determine clinical diagnosis decision or the need for confirmatory testing.

### URINE STRIPS

The Insight® Urinalysis Strips are a great tool to get insight into the patient's overall health and their metabolic, liver and kidney functions. It is a very cost effective screening tool. The Insight® Urinalysis Strips are very reliable and have comparable performance to the market leaders.



### EASE OF USE

- Compatible for visual and analyzer reading
- Up to 11 combinations available for visual reading
- Up to 7 combinations available for analyzer reading

### RELIABLE RESULTS

- High ascorbic acid resistance
  - Prevents false-negative results for Glucose, Blood, Nitrite and Bilirubin
  - Equivalent to the market leader for enhanced accuracy
- Analytical sensitivity better than or equivalent to market leaders
- High quality color chart ensures accurate visual reading
- Results in 2 minutes

### CONVENIENT

- 100 strips per canister
- 2 years shelf life for closed canisters and 3 month shelf life for opened canisters

### RAPID ANALYSIS OF URINE SPECIMENS

- 4 Parameters - PRO, PH, SG and GLU
- 10 Parameters - LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU
- 11 Parameters - LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU, ASC



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## U-500 URINE ANALYZER

The U500 Urine Analyzer is a semi-automatic and very easy to use with its touch screen feature. It can read up to 4 types of urine strip - 4, 5, 10 and 11 parameters.



### AUTOMATED FEATURES

- 500 tests / hour allows efficient testing.
- Automatic strip detection, alignment and waste disposal.
- Automatically calibrates the analyzer whenever it is turned on.

### SIMPLE AND EASY

- Simple menu accessible using large touch screen LCD.
- Strip carrier/waste tray unit designed for one-step easy cleaning
- Routine, STAT and QC test modes available

### FLEXIBLE DATA MANAGEMENT

- Abnormal results flagged on print-out and highlighted on the screen automatically
- Memory capacity of 2,000 records and RS232C port for simple data transfer

### OPTIONAL ACCESSORIES AVAILABLE

- Barcode scanner and printer paper roll

SPECIFICATIONS	
Analyzer Type	Semi-Automatic
Methodology	Reflectance Photometry
Detection	Photosensitive Diode
Throughput	500 test/hour (Measuring Cycle: 7 seconds per test)
Test Categories	Routine, STAT and QC
Lock Out Functions	Strip lock out: Available upon request, User/QC Lock out: Included with option to turn ON/OFF
Memory	Last 2,000 records
Strip Incubation Time	1 Minute
Wavelength	525 and 635 nm
Default Strip	8, 9, 10, 11 Parameters (108 mm x 5mm)
Strips Available	1-11 Parameters (108 mm x 5 mm); see URS Parameters
Parameter Order	Can select the order of parameters for display and print out
Total Combination per Analyzer	4 Combinations
Waste Disposal Capacity	Up to 150 strips
Analyzer Ports	RS232C Port for Barcode Reader or Data Transfer 25 Pin Parallel Port for External Printer
Data Entry Capabilities	Operator / Patient ID-Manual Entry and Barcode Reader (Up to 25 Characters)
Connection Capabilities	Internal Thermal Printer    RS232C Barcode Reader (Optional) Optional External Printer    RS232C Data Transfer Cable (Optional)
Major Readable Barcode	Code 128, Code 39, Caodabar (NW-7), EAN 8, EAN 13, Interleaved 25, UPCS, UPCE
Calibration	Automatic
Available Languages on the Screen	English and additional language(s)
Operating Conditions	0-40°C (32-104°F); <-85% RH
Storage Conditions	-5 to 50°C (23-122°F); <-90% RH
Power Source	240 VAC, 50-60 Hz
Dimension (LxWxH)	36.6 cm x 28.3 cm x 19.5 cm (14.4" x 11.1" x 7.7")
Display Dimension (LxWxH)	11.5 cm x 9.0 cm (4.5" x 3.5")
Weight	4.0 Kg. (8.8 lbs.) without batteries or Power Supply



## LIQUID URINE CONTROL LEVEL 1 AND 2

Simply validate visual and urinalysis with Insight Liquid Urine Controls.



### RELIABLE

- Use with Insight® Urinalysis Reagent Strips and Urine Analyzer for optimum quality control
- Validate urinalysis results and prevent procedure errors results for ASC

### QUICK AND CONVENIENT TESTING

- Easily drop the control solution onto each reagent pad using the dropper tip bottle.

### PACKAGING AND SHELF LIFE

- Ready-to-use without dissolving in distilled water
- 18 months shelf life for unopened controls at 2-8 °C
- Dropper Tip Bottles -available in separate positive and negative levels
- Dropper tip bottles provide efficient use of the control solution
- Control can be used up to 40 times within 20 days at room temperature

SPECIFICATIONS	
Product Name	Liquid Urine Control
Test Parameters	LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU, ASC, ALB, CRE, CA (13)
Solution Detection Level, Level 1	Negative: LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU, ASC, ALB, CRE, CA
Solution Detection Level, Level 2	Positive: LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU, ALB, CREA, CA; and Negative ASC
Compatible Urine Strips	Insight® Urinalysis Reagent Strips
Reading Time / Stability	Refer to insert
Storage Temperature	2-8°C
Opened Control Stability	24 Months
Memory	30 days at 15-30°C or until the expiration date at 2-8°C
Maximum Test Compatibility	20 or 40 tests/bottle

## Mission® CHOLESTEROL METER



### FEATURES

- Cardiac Risk Assessment
- Test devices with 18-month shelf life
- Room temperature storage
- Clinically proven accuracy
- Large, easy to read display
- Fast, reliable lipid test results
- Enhanced memory, stores up to 200 results

### EFFICIENT

- 5 Parameter Lipid Panel and Individual Tests
- Results in ≤ 2 minutes
- Sample Type: Whole Blood, Serum and Plasma

### EASE OF USE

- Portable, compact, ergonomic design
- Patient friendly
- 3 simple steps: Insert strip, apply sample with a capillary transfer tube, read results

SPECIFICATIONS	
Analyzer Type	Handheld Meter
Methodology	Reflectance Photometry
Type of Test	Total Cholesterol (CHOL), High-Density Lipoprotein (HDL), Calculated Low-Density Lipoprotein (LDL), CHOL/HDL Ratio, Triglycerides (TRIG)
Time of Results	≤ 2 minutes
Memory	200 Results with Date/Time
HCT	30-50%
Specimen Volume	10µL (Individual Tests) or 35µL (3-1 Lipid Panel Test)
Specimen Type	Capillary or Venous Whole Blood, Serum or Plasma
CHOL Measurement Range	100-500 mg/dl (2.59-12.93 mmol/L)
HDL Measurement Range	15-100 mg/dl (0.39-2.59 mmol/L)
TRIG Measurement Range	45-650 mg/dl (0.51-7.34 mmol/L)
PC Interface	Mini-USB
Operating Conditions	≤90%RH
Storage Conditions	Meter: 0-50°C (32-122°F) Strip: 2-30°C (36-86°F)
Strip Shelf Life	18 Months
Power Source	4 pcs. AAA Batteries or AC Adapter
Battery Life	>1,000 Tests
Meter Dimensions (LxWxH)	137mm x 79mm x 26mm (5.4" x 3.1" x 1.0")
Display Dimensions (LxWxH)	50mm x 50mm (2.0" x 2.0")
Weight Excluding Batteries	145g (5.11 oz)

## SALIVA ALCOHOL TEST STRIP

Mission® Saliva Alcohol Test Strips, a rapid saliva test for the determination of relative Blood Alcohol Concentration (BAC). Results in 2 mins.

### BROAD AND COMPLETE DETECTION

- Single strip detects multiple concentration of 0.02-0.30% BAC
- Unique strip with all-in-one detection offers cost effective testing of a single sample
- 18 months shelf life

### EASY TO USE

- Non-invasive specimen collection allows for on-site testing
- No additional equipment or training necessary
- Easy to interpret results in 2 minutes.

### ACCURATE AND RELIABLE

- Quick and easy detection
- Suitable for use in homes, school, workplaces, rehabilitation centers, hospitals, military, law enforcement units and other government agencies.

### CONVENIENT

- Cost-effective method compared to other alcohol detection test
- Compact and individually wrapped packaging for use anytime and anywhere.



PARAMETERS	SPECIFICATION
Blow Bag	N/A
Technology	Enzymatic Reaction
Specimen	Saliva
Blood Alcohol Concentration (BAC)	0.02%-0.30%
Measuring Units	%BAC
Reading Time	2 Minutes
Reading Stability	3 Minutes
Storage Temperature	2-27°C (36-81°F)
Shelf Life	18 Months
Package Size (Test)	25

## HEMOGLOBIN TESTING SYSTEM



### QUICK

- Hemoglobin (Hb) and Hematocrit (Hct) results in <15 seconds
- Simply insert strip, apply specimen and read results
- Features auto-calibration for added convenience
- No specimen preparation required
- Low maintenance and quick clean up

### PORTABLE

- Operated by battery or optional AC adapter
- Small and handheld for immediate diagnosis
- Ready to use in any point of care setting
- Dry strips eliminate inconvenience in shipping and storing of liquid reagents

### CONVENIENT

- Can test capillary and venous whole blood
- Minimal training required
- Easy to read large LCD
- Quick data transfer via Mini USB port

### ACCURATE

- Only 10µl capillator venous blood required
- Precise results equivalent to automatic hematology analyzers
- Wide Hb measurement range of 4.5-25.6 g/dL with Hct range of 13-75%
- Stores up to 1,000 results

SPECIFICATIONS	
Methodology	Reflectance Photometry
Detection Principle	Methemoglobin
Time of Results	<15 Seconds
Memory	1,000 test with date/time and ID number
Specimen Volume	10µl
Specimen Type	Capillary and Venous Whole blood
Hb Measurement	4.5-25.6 g/dl
Hct Range	13-75%
Wavelengths	525 nm
PC Interface	Mini USB port
Calibration	Automatic
Hb within Run Precision	≤3%
Hb Total Precision CV	≤3%
Accuracy	Venous Blood: $Y = 0.9582 X + 0.5673, R^2 = 0.992$ ; Capillary Blood: $Y = 1.006 X + 0.026, R^2 = 0.993$
Operating Conditions	10-40°C (50-104°F); ≤90% RH
Meter Storage Conditions	0-50°C (32-122°F); ≤90% RH
Strip Storage Conditions	2-30°C (36-86°F); ≤85% RH
Strip Shelf Life	2 years unopened canister; 3 months opened canister
Power Source	3 pcs. AAA Batteries or AC Adapter
Battery Life	2,700 test or 360 hours
Automatic Shut Off	8 Minutes
Meter Dimensions(LxWxH)	127mm x 58 mm x 25 mm (5.0 x 2.28" x 0.99")
LCD Dimensions	39 mm x 37 mm (1.54" x 1.46")

## HEMOGLOBIN TESTING STRIP



### FEATURES

- 1 pack contains 50 strips
- Quick and easy to use
- Reliable and Portable
- Convenient
- Shelf life: 18 Months
- Sample Type: Blood
- Result Time: 1 minute
- Hb Measurement Range: 4.5-25.6g/dl

## HA-360 3 DIFF QUICK AUTOMATIC HEMATOLOGY ANALYZER



### INNOVATIVE TECHNOLOGY

- The Sheath Flow Impedance method for RBCs/PLTs counting
- LED and receiver tube fully integrated improves stability of HGB
- Performs rapid and accurate analysis of 21 parameters

### HIGH ACCURACY AND RELIABILITY

- Proven technology for accuracy of results
- Linearity to support clinical diagnostics and monitoring

### EASY OPERATION AND MAINTENANCE

- Intuitive software menus
- Comprehensive QC information. Barcoded reagent management
- Eliminate fault automatically
- Daily maintenance time reminder. Convenient for daily work.

### SAFE AND SECURE

- Non-toxic, biodegradable reagent system
- Two basic reagents (diluent and lyse) for complete result



21 Parameters



3-Part  
Differential WBC



Internal Thermal  
Printer



High Accuracy  
and Reliability



Large Screen  
Display

FEATURES	SPECIFICATIONS												
Principles and Technologies	WBC: Impedance Method RBC, PLT: Sheath Flow Impedance Method HGB: Colorimetric Method												
Parameters	Whole Blood (WB) and Pre-dilute (OD) Mode:: 21 Parameters WBC: LYM#; MXD#; NEUT#; LYM%; MXD%; NEUT%; RBC; HGB; HCT; MCV; MCH; MCHC; RDW-CV; RDW-SD; PLT; MPV; POW; PCT; P-CLR; P-LCC												
Histogram	WBC (3-Part Differential), RBC, PLT												
Throughput	Whole Blood Mode: 60 samples/hour Pre-Dilute Mode: 50 samples/hour												
Sample Volume	WB Mode: 14µL PD Mode: 20µL												
Performance	<table border="0"> <tr> <td>Linearity</td> <td>Precision</td> </tr> <tr> <td>WBC <math>0 \times 10^9/L \sim 99.9 \times 10^9/L</math></td> <td>&lt;2.0% (<math>7.0 \times 10^9/L \sim 15.0 \times 10^9/L</math>)</td> </tr> <tr> <td>RBC <math>0.3 \times 10^{12}/L \sim 7.0 \times 10^{12}L</math></td> <td>&lt;3.5% (<math>4.0 \times 10^9/L \sim 6.9 \times 10^9/L</math>)</td> </tr> <tr> <td>HGB <math>20 \times g/L \sim 280 \times g/L</math></td> <td>&lt;2.0% (<math>3.5 \times 10^{12}/L \sim 6.5 \times 10^9/L</math>)</td> </tr> <tr> <td>PLT <math>20 \times 10^9/L \sim 999 \times 10/L</math></td> <td>&lt;1.5% (<math>100 \times g/L \sim 180 \times g/L</math>)</td> </tr> <tr> <td></td> <td>&lt;4.0% (<math>150 \times 10^9/L \sim 15.0 \times 10^9/L</math>)</td> </tr> </table>	Linearity	Precision	WBC $0 \times 10^9/L \sim 99.9 \times 10^9/L$	<2.0% ( $7.0 \times 10^9/L \sim 15.0 \times 10^9/L$ )	RBC $0.3 \times 10^{12}/L \sim 7.0 \times 10^{12}L$	<3.5% ( $4.0 \times 10^9/L \sim 6.9 \times 10^9/L$ )	HGB $20 \times g/L \sim 280 \times g/L$	<2.0% ( $3.5 \times 10^{12}/L \sim 6.5 \times 10^9/L$ )	PLT $20 \times 10^9/L \sim 999 \times 10/L$	<1.5% ( $100 \times g/L \sim 180 \times g/L$ )		<4.0% ( $150 \times 10^9/L \sim 15.0 \times 10^9/L$ )
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	<4.0% ( $150 \times 10^9/L \sim 15.0 \times 10^9/L$ )												
Data Storage	50,000 complete sample results with Histograms												
Screen Type	10.4" LCD color touch screen												
Quality Control	2 QC Programs* L-J QC and Mean QC; 15 QC Files												
Peripheral Options	Internal Thermal Printer (Included) Optional External Printer (Not Included) Serial Port (RS-232) LAN (TCP/IP) 4 USB Ports												
Power Source	(100-240 V) AC; 50Hz / 60Hz; 300 VA												
Store and Shipping Conditions	-10°C~40°C; 10%~90% Relative Humidity; 50kPa~106kPa												
Operating Conditions	15°C~30°C; 30%-85% Relative Humidity; 70kPa~106kPa												
Dimensions	340 mm x 465 mm x 425 mm												
Weight	27 kg												



## ON CALL® VIVID GLUCOSE METER

The On Call® Vivid Blood Glucose Monitoring System offers accurate and reliable results with hematocrit correction for exceptional diabetes management.



### PREMIUM FEATURES

- Display backlight and strip port light for low light testing
- 5 daily test reminders
- Redosing capability within 3 seconds
- Before and after meal markers

### FAST AND RELIABLE

- 0.8µL sample size
- 5 seconds to result
- Enhanced accuracy with hematocrit auto-correction technology
- Hypo, hyper, and ketone alarms

### EASY TO USE

- Audible fill detection reduces wasted strips
- Auto code calibration circuitry in every strip
- Large display with bold numbers

SPECIFICATIONS	
Enzyme	Glucose Oxidase
Measurement Range	10-600 mg/dl
Result Calibration	Plasma Equivalent
Minimum Sample Size	0.8µl
Test Time	5 Seconds
Battery Life	1,000 Tests
Memory	Up to 500 records with date and time
Automatic Shut Off	2 minutes after last transaction or 5 sec after strip removal
Meter Size	89.6 x 58 x 21.7mm
Display Size	37mm x 33.5mm
Operating Temperature	41-113°F (5-45°C)
Operating Relative Humidity	10-90% (non-condensing)
Hematocrit Range	15-70%
Alternate Site Testing	Fingertip, forearm, or palm

## ON CALL® VIVID BLOOD GLUCOSE TEST STRIP



The On Call® Vivid Blood Glucose Test Strips are suitable for both professional and non-professional use. Test strip are only suitable for testing in places outside the body. For professional use, it is also possible to test using neonatal sample.

By measuring the glucose level, blood is applied at the end of an On Call® Vivid Test Strip. Blood is taken automatically by the strip. Then, a reaction takes place in the reaction cell, at which time an electric current occurs. The On Call® Vivid Glucometer recognizes the current and ensures that the blood glucose level is determined. The measured rate is shown on the display of the glucometer.

### SPECIFICATIONS OF GLUCOSE STRIP

- Content: 50 pieces (2 x 25 pieces)
- Consist of glucose oxidase <25IE, mediator <300µg, Buffer and Non-reactive Ingredient.
- Each jar contains a siccative. Keep intact for a maximum of 24 months, started for 6 months.



# On Call

## MULTIPRO SYSTEM

The On Call® Vivid Blood Glucose Monitoring System offers accurate and reliable results with hematocrit correction for exceptional diabetes management.



### FAST AND SIMPLE PROCEDURE

- One step operation (20 seconds hands-on procedure)
- Fully automatic assay by analyzer, total assay time ≤6 minutes
- Embeds the code into every cartridge, presented as barcode
- 7 inches large touch screen
- On board printer

### ACCURATE AND RELIABLE RESULT

- NGSP certified, IFCC certificate on going
- No interference from Hb variants, like HbE, HbC, HbS
- Immunturbidimetry Technology

### ROOM TEMPERATURE STORAGE OF CARTRIDGE OPTIONAL

- 2-8° C 36-46°F: 24 months Shelf life
- 2-30° C (36-86°F); 3 months anytime before expiry date
- The cartridge has integrated all necessary reagents and sampling device

SPECIFICATIONS	
Methodology	Immunturbidimetry
Test Time	≤6 minutes / test
Specimen	1µL Capillary or Venous Blood
Testing Range	3.8-15.0% NGSP, or 17.8-141.0 mmol/mmol IFCC
Memory	5,000 records for patient specimen and QC test
Application	Only use On Call® Multipro Test kits and Controls
Printer	Inner thermal printer; external printer interface
Data Transport	RS232, USB, Internet
Language	English (default in US and select countries) and additional language (s)
Operating Conditions	15-30°C (59-86°F); 10-90% RH
Power Source	240 VAC
Power Consumption	60W
Screen	TFT 1024 x 600 touch screen
Information Identification	Scans QR code automatically
Weight	2.3Kg. without power supply and printing paper
Dimensions	257mm x 313mm x 158mm

### OTHERS

HBA1c Liquid Control

- Level 1: 5 x 1µL
- Level 2: 5 x 1µL
- 10 pcs. per box

HBA1c Test Cartridge

- 10 tests per kit



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## MICRO HEMATOCRIT CENTRIFUGE DSC-100MH-2

- Micro Hematocrit centrifuge is an indispensable instrument in laboratory
- It has an Auto-balancing system that can extend motor life and reduce noise
- With safety switch, the rotor will stop spinning when lid is lifted during operation
- Good ventilation system prevents the motor from overheating
- Precision timer with bell can be set from 0 to 15 minutes
- Manual brake can faster control over the spin down cycle
- Model DSC-100MH-2 with all ABS plastic housing and inner metal chamber is durable and economical
- Quality Certification: ISO 9001, ISO 13485



### SPECIFICATIONS

Speed	12,000rpm (Fixed)
RCF	14,648g
Timer	0-15 minutes Mechanical Timer
Motor	Universal Motor
Capacity	24x Capillary Tube (Diam. 1.5 x 75 mm)
Standard Accessory	Percentage Reader (Aluminum)
Optional Accessory	Disc Reader (Plastic), Capillary Tube, Wax
Overall Dimension	300 (W) x 300 (D) x 240 (H)
Weight (Kg)	N.W. 9.0 / G.W. 9.5
Power Supply	AC (220V 50/60Hz available)

### ROTOR:

#### HT-24 (Disc)

- Speed RPM: 12,000rpm (Fixed)
- Max. RCF: 14,648
- Rotor Capacity: 24x Capillary Tube (Ø1.5 x 75 mm)
- Standard Accessory: Percentage Reader
- Note: Wax, capillary tube and percentage reader are optional accessories



## MICRO-HEMATOCRIT READER

Efficient linear capillary tube reader for PCV values of whole blood. Heavy duty construction with printed metal base. With sliding Perspex holder and adjustable scale you can easily read percentage PCV on the scale.

- Percentage Reader
- Aluminum



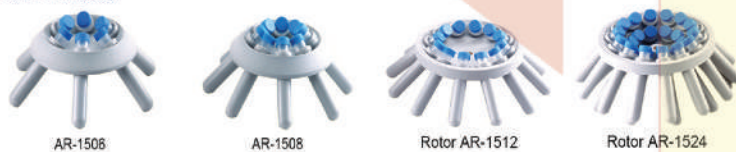
## TABLE TOP CENTRIFUGE DSC-200T

Table Top Centrifuges are widely used in many fields such as biology, medicine, pharmacology, laboratory, and other regions. They are small, compact, strong, easy and safe for operation. The maximum speed is 3000rpm at 60 Hz.

### FEATURES:

- The design is up-to-date, presentable look and durable.
- The speed and time are adjustable.
- ABS outer shell can resist collision.
- Brushless, free maintenance.
- Accommodates 2ml~15ml centrifuge tubes without changing the rotor.
- With safety switch, the motor can be stopped when the cover is opened.
- Speed is linear and stable.
- Auto-balancing system.
- Quality Certification: ISO 9001, 13485

### ROTORS:



### TUBE ADAPTORS:



### SPECIFICATION

Model	Max. Speed (RPM)	Timer (Min.)	Speed and RCF Display	Motor	Weight (Kg.) N.G./G.W.	Dimension (mm) (WxDxH)
DSC-200T	3,000 at 60Hz 2,500 at 50Hz	0~30 min. mechanical timer	Speed and R.C.F. Display	Brushless Induction	3.4 / 4.5	280x280x255

Power Supply AC 220V 50/60Hz available

### SPECIFICATIONS OF ROTOR

Model	Speed (RPM)	Type	Max. RCF (g)	Capacity	Standard Accessory
AR-1506	300-3000	45° angle	1,066	6x (10~15) ml	(10~15) ml tube adapter
AR-1508	300-3000	45° angle	1,066	8x (10~15) ml	(10~15) ml tube adapter
AR-1512	200-3400	45° angle	1,066	12x (10~15) ml	(10~15) ml tube adapter
AR-1524	300-3400	45° angle	1,066	24x (10~15) ml	(10~15) ml tube adapter

## TABLE TOP CENTRIFUGE DSC-300D

### FEATURES:

- Table Top Centrifuge can save the working desk space
- ABS outer shell can resist collision
- It could accommodate 7ml, 10ml, and 15ml centrifuge tubes without changing the rotor. (7ml tube adapters are optional accessory)
- With safety switch, the rotor will stop spinning when lid is lifted during operation
- This is a digital type which can set speed and time easily
- The LED display can show the RCF or RPM value
- With automatic brake system, the unit can be stop rapidly
- Auto-balancing system can offer quiet and stable operation
- Quality Certification: ISO 9001, ISO 13485.



### ROTOR:



### TUBE ADAPTOR:



### SPECIFICATIONS

Model	Max. Speed (RPM)	Timer (Min.)	Speed and RCF Display	Motor	Weight (kg.) N.G./G.W.	Dimension (mm) (WxDxH)
DSC-300D	3,400	0~30 min. mechanical	Digital Display	Brushless DC	5.4 / 6.4	300x300x265
Power Supply AC 220V 50/60Hz available						

### SPECIFICATIONS OF ROTOR

Model	Speed (RPM)	Type	Max. RCF (g)	Capacity	Standard Accessory
AR-1512	200-3400	45° angle	1,066	12x (10~15) ml	10~15ml tube adapter
AR-1524	200-3400	45° angle	1,066	24x (10~15) ml	10~15ml tube adapter
AR-5006	200-3400	45° angle	1,067	6x50 ml	10~15ml tube adapter

## TABLE TOP CENTRIFUGE DSC-1512D

### FEATURES:

- The Table Top Centrifuge will save space for the work desk.
- The outer shell of ABS can resist collisions.
- Without altering the rotor, it could accommodate 7ml, 10ml, and 15ml centrifuge tubes. (Optional attachments are 7ml tube adapters)
- With safety switch, the rotor will stop spinning when lid is lifted during operation
- This is a digital form that can easily set velocity and time. The RCF or RPM value can be seen on the LED display.
- The unit can be stopped easily with an automatic braking system.
- The method of auto-balancing can provide quiet and steady operation.



### SPECIFICATIONS

Speed	200~3400rpm
RCF	Digital display for time and speed value (or RCFvalue)
Timer	0~30 min. digital timer
Motor	Brushless DC
Rotor	AR-1512
Rotor Type	45° angle
Max. RCF	1,680g
Capacity	12x(1.5~15)ml
Standard Accessory	(10~15)ml tube adapter
Optional Accessory	(5~7) ml or (1.5~2.0) ml tube adapter
Weight (kg.)	N.W. 5.4 / G.W. 6.4
Overall Dimensions	W300xD300xH265mm
Power Supply	AC 100~240V 50/60Hz

### ROTOR:



Rotor AR-1524

### TUBE ADAPTOR:



CTA15

CTA7

CTA2

Model	Speed (RPM)	Type	Max. RCF (g)	Capacity	Standard Accessory
AR-1512	200-3400	45° angle	1,066	12x (10~15) ml	10~15ml tube adapter



## LAB INCUBATOR DSI-300D

Lab Incubators are necessary equipment for any laboratory conducting cell culture and tissue culture work. Incubators protect cells from changes in temperature, humidity, carbon dioxide and oxygen.

### FEATURES:

- Simple keypad input allows easy temperature setting.
- LED digital display enables users to monitor the chamber temperature at any given moment.
- Visual alarm indicator alerts users of abnormal conditions if the chamber temperature exceeds the setting points by 10°C.
- Time setting can be continuous mode or timed mode (999 hours or 999 minutes).
- The temperature can be controlled and maintained to 70°C.
- Shelves can be adjustable.
- Double doors allow sample viewing from the acrylic door.
- Quality Certification: ISO 9001, ISO 13485



SPECIFICATIONS	
Convection	Natural Convection
Working Temperature	Ambient +5°C~70°C
Time Mode	Continuous mode / timed mode (1~999 minutes)
Capacity (Liters)	30 Liters
Chamber Dimension (mm) (W x D x H)	325 x 310 x 315
Power Watts	300W
Overall Dimension (mm) (W x D x H)	425 x 420 x 610
Accessory	2 Shelves
Power Supply	220V 50/60Hz available

## DIFFERENTIAL BLOOD CELL COUNTER DBC-9



SPECIFICATIONS	
Number of Keys	8
Totalizer	Yes
Figure Range	0-999
Dimension (LxWxH)	320 x 80 x 50mm

### FEATURES:

- ABS outer shell can resist collision.
- Color charts of white blood cells are supplied.
- At one hundred increment of the total record, the bell sound "Don" will be heard.
- Differential Blood Cell Counter with a reset knob can easily clear all the figures.
- Quality Certification: ISO 9001, ISO 13485.

## DIFFERENTIAL BLOOD CELL COUNTER DBC-9D (4 FUNCTIONS)



SPECIFICATION	
Number of Keys	8
Number of Window	9x3-digit LCD window (including one window for total amount)
Function Button	4 buttons (+/-, %, Reset, FUN)
Standard Accessory	3.3V 1.2A switching adapter
Weight	N.W. 350g/G.W. 620g
Dimension (WxDxH)	245 x 94 x 48 mm
Power Supply	240V 50/60Hz or 2 pcs of AA Battery

### FEATURES:

- Digisystem Digital Blood Cell Counter DBC-9D use microprocessor controlled system which offers accurate and simple counts.
- 8 buttons have red and white colors in sequence for identification.
- Each button has a 3-digit LCD window. One 3-digit LCD window is for the total amount.
- Cell pictures for BASO., EOSIN., MYELO., JUVEN., STAB., SEG., LYMPH., MONO., are labeled.
- A click sound on each touch to confirm the count.
- At one hundred increment of the total amount, a short beep sound is heard.
- Push the percent (%) button to calculate percentages, and push the reset button to clear the counts. Push the +/- button can increase or decrease the counts. Push the function (FUN) button to adjust the contrast and to monitor the battery energy.
- The power supply can be 240V or 2 pcs of AA battery.
- Quality certification: ISO 9001, ISO 13485



## DRY BATH DSD-100

A Dry Bath is a type of laboratory equipment that is used to heat samples. It is often used in molecular biology, microbiology, biochemistry and genetic applications.

### FEATURES:

- Test tubes insert into aluminum blocks which maintain temperature stability.
- Easy temperature adjustment is made by turning a reference knob.
- Combinations with different blocks provide a variety of applications.
- Quality Certification: ISO 9001, ISO 13485

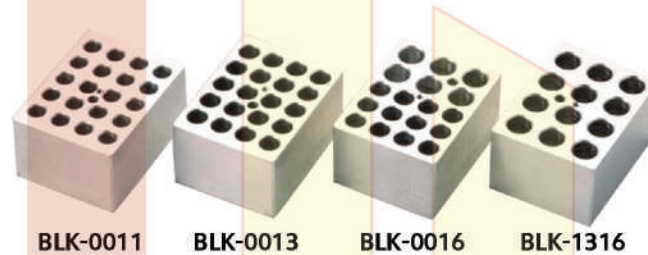


### SPECIFICATIONS

Block Capacity	1
Temperature Setting/Read Out	Analog/Thermometer
Power Watts	80W
Dimension [W x D x H]	160 x 210 x 120mm
Weight (Kg) (N.G./G.W.)	2.5 / 3.0
Power Supply	AC 220V 50/60 Hz Available

### BLOCKS SPECIFICATION

MODEL	DSD-100	DSD-100
BLK-0011	Ø 11.50 mm x 20 places	101 x 76 x 52mm (W x D x H)
BLK-0013	Ø 13.50 mm x 20 places	101 x 76 x 52mm (W x D x H)
BLK-0016	Ø 16.50 mm x 12 places	101 x 76 x 52 mm (W x D x H)
BLK-1316	Ø 13.50 mm x 12 places Ø 16.50 mm x 6 places	101 x 76 x 52 mm (W x D x H)



## PIPETTE SHAKER PS-600T

The Pipette Shaker PS-600T can easily achieve the uniform mixing of the chemicals with blood while they are in the diluting pipettes.

### FEATURES:

- Has a pipette holder made of stainless steel spring clips.
- Provides continuous or timing operation (0-15 minutes)
- Can hold up to 6 pipettes
- Quality Certification: ISO 9001, ISO 13485



Model	Capacity	Switch	Fixed Speed	Weight (KG) (N.W. / G.W.)	OVER ALL DIMENSIONS (WxDxH)
PS-600T	6 Pipettes	3 Positions (ON/OFF/0-15 min. timer)	2,500 rpm	1.8/2.2	150 x 135 x 160mm

Power Supply: AC (220V 50/60Hz available)

## ROTATOR

Digital Rotator DSR-2100D-N/DSR-2800D-N are widely used in VDRL, RPR and EIA test. Digital Rotator is equipped with digital display to indicate present speed and the remaining time.

### FEATURES:

- Widely used in VDRL, RPR, and EIA test.
- Stable and quiet operation.
- Simple and Digital types for your options
- With variable speed, timed and continuous mode operation
- Quality Certification: ISO 9001, ISO 13485



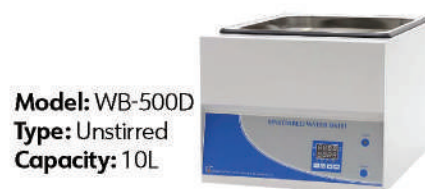
SPECIFICATIONS	DSR-2100P (ANALOG)	DSR-2100D (DIGITAL)
Speed	20-240rpm	20-240rpm
Time Mode	Continuous mode / timed mode (0~30 min. Mechanical Timer)	Continuous mode / timed mode (99 hours 59 minutes Digital timer)
Display	NONE	Digital display for present speed value and remaining time
Platform Dimension	230 x 230mm	230 x 230mm
Orbit Diameter	20mm	20mm
Load Capacity	2.0Kgs at the speed from 20~150 rpm; 1.0Kg at the speed from 151~240 rpm	2.0 Kgs. at the speed from 20~150 rpm; 1.0 Kg. at the speed from 151~240 rpm
Accessory	1 piece of spring	1 piece of spring
Weight (kg.)	3.7 / 4.5	3.9 / 4.7
Overall Dimensions	260 x 295 x 140 mm	260 x 295 x 140 mm
Power Supply	AC 220V 60Hz 50/60Hz available	AC 220V 60Hz 50/60Hz available

## WATER BATH

A Water Bath is a laboratory equipment made from a container filled with heated water. It is used to incubate samples in water at a constant temperature over a long period of time.

### FEATURES:

- DSB-500D are circulating water bath which have immersion pump
- WB-500D is an unstirred water bath
- Large bath opening lets you immerse samples conveniently
- Inside stainless steel tank
- Long life immersion stainless pipe heater
- Quality Certifications: ISO 9001, ISO 13485



SPECIFICATIONS	DSB-500D	WB-500D
Stirring Type	Circulating	Unstirred
Capacity	10 Liters	10 Liters
Inner Tank Dimensions (WxDxH)	240x300x150mm	240x300x150mm
Temperature Setting / Read Out	Digital	Digital
Temperature Control	PID	PID
Temperature Sensor	PT 100 Ω	PT 100 Ω
Stability	± 0.2°C	± 0.2°C
Working Temperature Range	Ambient + 5~100°C	Ambient + 5~100°C
Power Watt	1200W	650W
Optional Accessory	Flat Lid, Gable Cover, Test Tube Rack External Circulation Equipment	Flat Lid, Gable Cover, Test Tube Rack
Dimension (mm) (W x D x H)	275 x 335 x 303	290 x 400 x 240
Weight (Kg.) (N.W./G.W.)	8.0 / 9.5	7.0 / 8.5
Power Supply	AC 220V 50/60Hz available	AC 220V 50/60Hz available

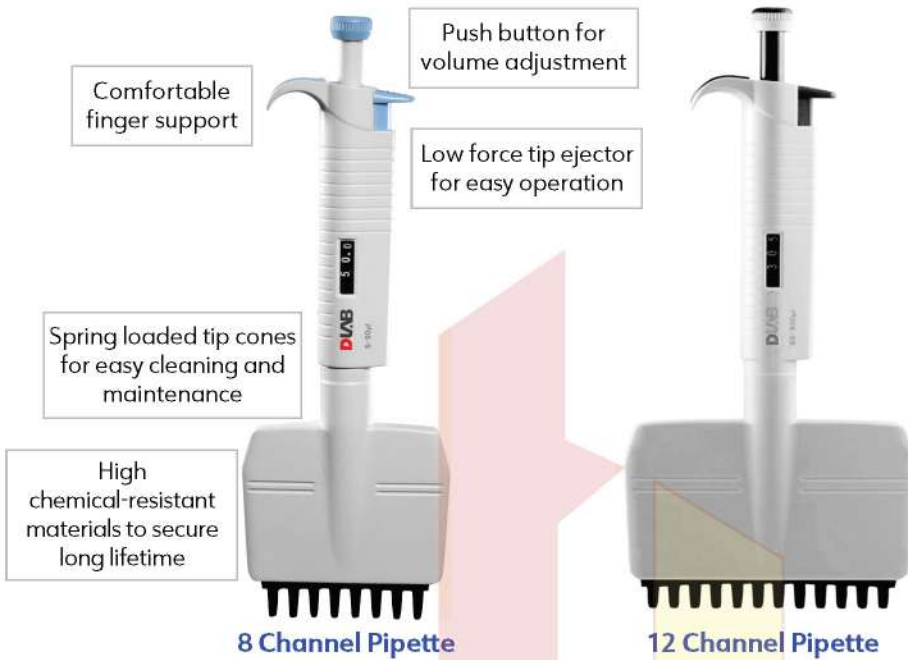


**D**LAB





## MICROPETTE MULTI CHANNEL



### FEATURES:

- 8 and 12 channel pipettes are appropriate for 96 well plates.
- Dispensing head rotates for effortless pipetting convenience.
- Individual piston and tip cone assemblies allowing easy repair and maintenance.
- Compound material - made tip cone secures high sealing performance.
- Compatible with most universal tip brands.

**121°C**  
HALF  
AUTOCLAVABLE

### MICROPETTE (Mechanical)



**121°C**  
SEMI  
AUTOCLAVABLE

### FEATURES:

- Pipettes cover a volume range from 0.1µL to 10mL
- Ergonomic design provides excellent operating experience
- Large display window allows for easy volume identification
- Easy calibration and maintenance
- Each MicroPette supplied with an individual calibration certificate according to ISO8655

### MICROPETTE PLUS (Autoclavable)



**121°C**  
FULL  
AUTOCLAVABLE

### FEATURES:

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- The pipettes cover the volume range from 0.1µl to 5ml
- Easy calibration and maintenance
- Manufactured from innovative materials
- Each MicroPette Plus supplied with an individual calibration certificate according to ISO8655

TYPES	VOLUME
Single Channel Adjustable Volume	0.1µl - 2.5µl, 0.5µl - 10µl, 2µl - 20µl, 20µl - 200µl, 5µl - 50µl, 20µl - 200µl, 50µl - 200µl, 10µl - 100µl, 100µl - 1000µl, 1000µl - 5000µl
Single Channel Fixed Volume	5µl, 10µl, 20µl, 50µl, 100µl, 500µl, 1000µl
Autoclavable	0.5µl - 10µl, 5µl - 50µl, 2µl - 20µl, 20µl - 200µl, 10µl - 100µl, 100µl - 1000µl, 1000µl - 5000µl

### PIPETTOR STAND

The linear and round stands have been designed to fit perfectly our pipette range, MicroPette and MicroPette Plus Autoclavable Pipette. The stands are convenient to hold up to 6 pipettes, both single and multi-channel.



**ROUND**  
• Rotates smoothly



**LINEAR**  
• Static





## MINITUBE CENTRIFUGE

### D2012 Plus

#### FEATURES:

- Powerful centrifugal force of 15100xg and max speed of 15000rpm ideal for various applications
- Brushless DC motor drive quickly accelerates the rotor to set speed
- Whispering quiet operation. Low noise  $\leq 56$ dB
- D2012 Plus passed the rigorous explosion-proof test and accredited with CE, cTUVus, FCC certificates, and MCA test. MCA test according to IEC/EN61010-2-20



Brushless DC Motor



LCD Display



#### SPECIFICATIONS

Max. Speed	15000rpm (500-15000rpm), Increment: 100rpm
Max. RCF	15100xg, increment:100xg
Speed Accuracy	$\pm 20$ rpm
Rotor Capacity	0.2mL/0.5mL/1.5mL/ 2mLx12
Run Time	30sec-99min / continuous
Driving Motor	Brushless DC Motor
Safety Device	Door interlock, Over-speed detection, Over-temperature detection, Automatic internal diagnosis
Power	Single-phase, AC220V, 50Hz/60Hz, 3A 100W
Noise Level	$\leq 54$ dB
Acceleration / Braking time	11s $\uparrow$ /9s $\downarrow$
Dimension [DxWxH]	255 x 245 x 140mm
Weight	6 Kg
Certification	EMC, CE, FCC, ICES, cTUVus, CB
Advanced Features	Speed/RCF switch, Short-time run function, Sound-alert function

#### ROTORS:

##### A12-2P

Max. Speed: 15000rpm

Max. RCF: 15100xg

Rotor Capacity: 2mL/1.5mLx12, 0.2mLx12, 0.5mLx12

Rotor Material: High strength plastic



#### ADAPTORS:

##### A02P2

0.2mL rotor adaptor

Used with A12-2, A12-2P, AS24-2 and A24-2P rotors

24 pcs/pk



##### A05P2

0.5mL rotor adaptor

Used with A12-2, A12-2P, AS24-2 and A24-2P rotors

24 pcs/pk



## PCR CENTRIFUGE

### D1008 Series

#### FEATURES:

- Ideal for microfiltration and quick spin-downs
- Easy-to-use with dual start/stop function
- 7000rpm fixed speed (D1008)
- Compatible with 2mL x 8 and PCR 8 x 2 rotors
- Quiet running, noise level  $\leq 45$  dB
- Rotor change without tools
- Accelerates and brakes in seconds



Quiet Operation



Vibration Free



#### SPECIFICATIONS

Max. Speed	7000rpm
Max. RCF	2680 x g
Rotor Capacity	0.2/0.5/1.5/2.0mLx8; 0.2mLx16 PCR strips or 0.2mLx2 PCR 8 strips
Run Time	Continuous operation
Driving Motor	DC motor
Power	AC 220V/50Hz/60Hz 20W
Noise Level	$\leq 45$ dB
Dimensions (DxWxH)	160 x 170 x 122mm
Weight	0.5kg
Advanced Features	CE cTUVus FCC MCA

#### ROTORS:

##### A08-2

Max. Speed: 10000/7000/5000rpm

Max. RCF: 5460/2680/1360xg

Rotor Capacity: 2mL/1.5mLx8, 0.2mLx8, 0.5mLx8

Rotor Material: High strength plastic



##### A02-PCR8

Max. Speed: 10000/7000/5000rpm

Max. RCF: 5460/2680/1360xg

Rotor Capacity: 0.2mLx16 PCR strips, 0.2 mLx2 PCR 8 strips

Rotor Material: High strength plastic



#### ADAPTORS

##### SA02P2

0.2mL rotor adaptor

Used with A08-2 rotor

8pcs/pk



##### SA05P2

0.5mL rotor adaptor

Used with A08-2 rotor

8pcs/pk



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## CLINICAL CENTRIFUGE DM0408

### FEATURES:

- Speed range of 300-4000rpm.
- 3 programs storage capacity for routine applications.
- Automatic internal diagnosis.
- Maintenance free brushless DC motor.



### ROTORS:

#### A8-15P

Max. Speed: 4000rpm  
Rotor Capacity: 15ml x 8  
Rotor Material: High strength plastic  
Default Adaptor: A15P22



#### A12-10P

Rotor Capacity: 15ml x 8, 10ml x 12  
Rotor Material: High strength plastic

### ADAPTORS:

#### A15P22

15ml adapter for 17x120mm centrifuge tube, 13/16x100mm blood collection tube  
24 pcs/pk



#### A2P17

1.5/2ml Cryogenic Vials/ centrifuge tube adapter  
24 pcs/pk



## CLINICAL CENTRIFUGE DM0412

This space-saving centrifuge provides reliable and consistent operation with its maintenance free, brushless motor. The unit features two digital displays: one for speed and one for timer.

### FEATURES:

- Easy programming to achieve high accuracy of speed control
- Easy operation with intuitive menu and easy-to-read display
- Rotor speed can be set and displayed by RPM or G-force
- Maintenance-free brushless DC motors
- Quick spin function with press and hold pulse key
- Lid with electric lock and automatic release function saves processing time and prevents samples overheating
- Automatic self-diagnosis on startup showing accumulative running time and last running parameters
- Braking time 2 gears adjustable (for A6-50P rotor)
- A12-10P and A6-50P are not interchangeable

### SPECIFICATIONS

Speed Range	300-4500rpm : 100 rpm
Max. RCF	2490xg
Speed Accuracy	±20rpm
Rotor Type	A12-10P, A6-50P
Run Time	30sec-99min/Continuous
Motor	Brushless DC Motor
Display	LCD
Safety Devices	Door interlock, Overspeed detector; Automatic internal diagnosis
Acceleration / Braking [Sec]	A12-10P: 20s↑ 13s↓ A6-50P: 20s↑ 20s↓ / 90s↓
Power	Single-phase, 110V-240V, 50Hz/60Hz, 3A, 70W
Dimension [D x W x H]	301 x 354 x 217mm
Weight	6 Kg.
Advanced Features	Speed/RCF switch; Short-time run function; sound-alert function

SEPCIFICATIONS	DM0408
Speed Range	300-4000rpm : 100 rpm
Max. RCF	1900 x g
Rotor	Angle 8 x 15ml (Default) Angle 10ml x 12
Run Time	1-99 min, HOLD
Motor	Brushless DC Motor
Display	LED
Program	Blood: 3200 rpm, 10 min. Urine: 1800 rpm, 5 min. Fecal: 1300 rpm, 10 min.
Safety Device	Automatic Internal Diagnosis
Acceleration / Deceleration	25s↑ / 35s↓
Power	Single-Phase 220V-240V, 50Hz/60Hz
Dimension (W x D x H)	286 mm x 367 mm x 227 mm
Weight	9.2 Kg
Noise	≤60dB(A)

Model: DM0412  
Capacity: 12 Placer



### ROTORS:

#### A12-10P (Round Bottom)

Max. Speed: 4500rpm  
Max. RCF: 2490xg  
Rotor Capacity: 8x15mL, 12x10mL  
Rotor Material: High strength plastic



#### A6-50P (Round Bottom)

Max. Speed: 4000rpm  
Max. RCF: 1800xg  
Rotor Capacity: 50ml x 6 or 15ml x 6  
Rotor Material: High strength plastic



### ADAPTORS:

#### A2P17

1.5/2ml Cryogenic Vials/ centrifuge tube adapter  
24 pcs/pk



Note: Made of plastic, A12-10P rotor cannot be autoclaved or applied with UV irradiation. Regular sterilization is recommended.



## CLINICAL CENTRIFUGE DM0424

This space-saving centrifuge provides reliable and consistent operation with its maintenance free, brushless motor. The unit features two digital displays: one for speed and one for timer.

### FEATURES:

- Max. Speed 4000rpm.
- Rotor Speed can be set in RPM/RCF, with 3 programs storage capacity for routine applications.
- Max. Capacity 50ml x 4, adapt to different sizes of blood collection tubes and centrifuge tube suitable for swing out rotor and angle rotor.
- Automatic internal diagnosis and self-detection.
- Maintenance-free brushless DC motor.



SPECIFICATIONS	
Speed Range	500-4000 rpm; Increment: 100 rpm
Max. RCF	2500xg
Speed Accuracy	±100rpm
Rotor	Swing 6 x 15ml Swing 4 x 50 ml Angle 24 x 15 ml Angle 12 x 10 ml / 8 x 15 ml
Run Time	1-99 min, HOLD
Motor	Brushless DC Motor
Display	LCD
Program	Blood: 3200 rpm, 10 mins. Urine: 1800 rpm, 5 mins. Faecal: 1300 rpm, 10 mins.
Safety Device	Automatic Internal Diagnosis
Acceleration / Deceleration	3 ↑ ↓ steps
Power	Single Phase 110-240V, 50Hz/60Hz
Dimension (W x D x H)	364 x 440 x 268 mm
Weight	14.5Kg
Noise	≤62dB(A)

### ROTORS:

#### S6-15

Max. Speed: 4000rpm  
Rotor Capacity: 15ml×6  
Rotor Material : Aluminum alloy  
Default Adaptor: A15P22, A5P17



#### S4-50

Max. Speed: 4000rpm  
Rotor Capacity: 50ml×4  
Rotor Material : Aluminum alloy  
Default Adaptor: A15P30, A5P17



#### A24-15P

Max. Speed: 4000rpm  
Rotor Capacity: 15ml×24  
Rotor Material : High strength plastic  
Default Adaptor: A15P22, A5P17



#### A8-15P

Max. Speed: 4000rpm  
Rotor Capacity: 15ml×8  
Rotor Material: High strength plastic  
Default Adaptor: A15P22



#### A12-10P

Rotor Capacity: 15ml×8, 10ml×12  
Rotor Material: High strength plastic



### ADAPTORS:

#### A15P30

50ml change 15ml adapter,  
Adapted to 17×120mm centrifuge  
tube, 13/16×100mm blood  
collection tube 4pcs/pk, for S4-50



#### A15P22

15ml adapter for 17×120mm  
centrifuge tube, 13/16×100mm  
blood collection tube 24 pcs/pk,  
for S6-15, A24-15P, A8-15P



#### A5P17

5ml adapter, Adapted to 13×75mm  
blood collection tube 24 pcs/pk,  
for S4-50, S6-15, A24-15P



#### A2P17 (Optional)

1.5/2ml Cryogenic Vials/ centrifuge  
tube adapter, 24 pcs/pk, for S4-50,  
S6-15, A24-15P, A12-10P, A6-50P





## HIGH SPEED REFRIGERATED MICRO CENTRIFUGE D3024R

### Powerful cooling system for precise temperature control

- Pre-cooling program ensures optimal protection of the sample before warming
- Guaranteed 4°C cooling within only 7 minutes of both chamber and samples even at maximum speed and capacity utilization
- Sound-alert allows your undivided attention on other tasks warning
- Lid lock facility allows for internal temperature maintenance even after centrifugation
- Intermittent temperature control mode, CFC-free refrigerant and low carbon life rotor capacity
- Three-layer sealed rotor prevents accidental leakage during centrifugal process allowing risk-free microbial contamination
- High strength aluminum alloy rotor can be fully autoclaved for unlimited service life
- Four rotors are optional complete with 24 placer 1.5/2.0ml tubes, bigger 5.0ml, smaller 0.2ml and 0.5mL tubes with the use of adapters
- Quiet running, noise level ≤ 54dB



Brushless DC motor



Wide range of rotors

### SPECIFICATIONS

Max. Speed	15000rpm(200-15000rpm), increment:10rpm
Max. RCF	21380×g, increment: 10×g
Speed Accuracy	±20rpm
Temperature Range	-20°C-40°C
Rotor Capacity	5ml×18, 5ml culture tube x12 0.2ml/0.5ml/1.5ml/ 2ml×24, 0.5ml×36, PCR8×4
Run Time	30sec-99min/Continuous
Motor	Brushless DC Motor
Safety Devices	Dual door interlock, Over-speed detection, Over-temperature detection, Automatic internal diagnosis
Power	Single-phase, AC200V-240V, 50Hz/60Hz, 10A, AC100V-120V, 50Hz/60Hz, 10A, 400W
Acceleration / Braking time	25s↑/25s↓
Dimension [DxWxH]	338×580×324mm
Weight	30kg
Certification	CE cTUVus FCC MCA
Advanced Features	Speed/RCF switch; Short-time run function; sound-alert function
Noise	≤54dB

### ROTORS:



#### AS24-2

Max. speed: 15000rpm  
Max. RCF: 21380×g  
Rotor capacity: 2ml/1.5ml×24  
0.2ml×24/0.5ml×24  
Rotor material: Aluminum alloy  
Bio-safe(Bio sealing): Yes  
Available rotor adapters: A02P2, A05P2

### ADAPTORS:



#### A02P2

0.2ml rotor adapter  
Used with A12-2, A12-2P, AS24-2  
and A24-2P rotors  
24 pcs/pk

### OPTIONAL ROTORS:



#### AS12-V5

Max. Speed: 15000rpm  
Max. RCF: 21380×g  
Rotor Capacity: 5mL×12(Cone bottom)  
Rotor Material: Aluminum alloy  
Bio-safe(Bio sealing): Yes



#### AS36-05

Max. Speed: 15000rpm  
Max. RCF: 21380×g  
Rotor Capacity: 0.5ml×36, 0.2ml×36  
Rotor Material: Aluminum alloy  
Bio-safe(Bio sealing): Yes  
Available Rotor Adapters: A02P05

#### A05P2

0.5mL rotor adapter  
Used with A12-2, A12-2P, AS24-2 and A24-2P rotors  
24 pcs/pk

#### A02P05

0.2mL rotor adapter  
Used with AS36-05 rotor  
36pcs/pk



#### AS4-PCR8

Max. Speed: 15000rpm  
Max. RCF: 21380×g  
Rotor Capacity: 0.2mL/PCR8×4  
Rotor Material: Aluminum alloy  
Bio-safe(Bio sealing): Yes



#### AS18-5

Max. speed :15000rpm  
Max. RCF:21380×g  
Rotor capacity:5mL×18 ( Round bottom )  
Rotor material:Aluminum alloy  
Bio-safe(Bio sealing):Yes

### OPTIONAL ADAPTORS:





## MULTI-PURPOSE LOW SPEED CENTRIFUGE DM0636

The Multipurpose Clinical Centrifuge is ideal for the centrifugation of samples in clinical chemistry, cytology, research laboratories, industrial laboratories, and the like. This centrifuge is suitable for tubes with caps, blood collection or urine tubes. Swing-out bucket rotors and adapters can be compatible with standard tubes up to 100ml at low speed.

### FEATURES:

- Speed can be set from 300- 6000rpm
- Maximum capacity of the centrifuge: 100ml x 4
- 9 Acceleration /10 Brake speed settings to ensure optimal separation
- 9 procedures stored in memory makes the operation much simplified
- A wide range of accessories (fixed angle and swing-out bucket rotors)
- Automatic rotor identification
- Timers can be set up to 99 min. for short run/continuous run
- Maintenance-free brushless DC motors



Capacity: Rotor 24 Placer and 36 Placer

### SPECIFICATIONS

Speed Range	300-6000rpm, Increment: 10rpm
Max. RCF	4020 x g
Speed Accuracy	±20rpm
Max. Capacity	100mlx4
Run Time	30 sec - 99 min / Continuous
Motor	Brushless DC Motor
Display	LCD
Program Memory	9
Safety Devices	Door Imbalance protection Over speed and Over temperature detection
Acceleration/Deceleration Time	9↑ / 10↓ steps
Power	660W; Single-phase AC220V-240V, 50Hz/60 Hz, 6.3A
Dimensions [WxDxH]	445 x 579 x 269 mm
Weight	36Kg
Certification	CE
Advanced Features	Speed/RCF switch; Rotor identification

### ROTOR:

#### A30-15 (Round Bottom)

- Max. Speed: 4500rpm
- Max. RCF: 3210xg
- Rotor Capacity: 15mLx30
- Rotor Material: Aluminum body and stainless steel adapter
- Bio-safe(Biosealing): Yes
- Default Adapters: SE100P17x30



## ECONOMICAL HEMATOCRIT CENTRIFUGE DM1224

### FEATURES:

- Max. Speed is 12000rpm, Max. RCF 13680 x g
- Precise control of speed and time separately
- Rotor Capacity: Hematocrit rotor: 24 capillary

### SPECIFICATIONS

Speed Range	500-12000rpm, Increment: 100 rpm
Max. RCF	13680xg
Speed Accuracy	±100rpm
Rotor Capacity	1 Type
Run Time	10 sec - 99 min / Continuous
Motor	Brushless DC Motor
Display	LCD
Safety Devices	Door Interlock
Acceleration Braking Time	40s↑ / 40s↓
Power	Single-phase, 220V-240V, 50Hz/60Hz, 5A, 380W
Dimensions [DxWxH]	280 x 364 x 213mm
Weight	10kg.
Advanced Features	Speed/RCF switch; Short-time run function; sound-alert function



### ROTOR:

#### AC24

- Max. Speed: 12000rpm
- Max. RCF: 13680xg
- Rotor Capacity: Capillary tubes x24
- Rotor Material: High strength aluminum





## HEMATOCRIT CENTRIFUGE DM1424

DLAB Hematocrit centrifuge with AC24P hematocrit rotor is used for determination of volume fractions of erythrocytes in blood for diagnostic purposes and doping tests. Also it is used to derive plasma for the photometric determination of the bilirubin content of the blood of neonates. Hematocrit centrifuge with A24-2P tube rotor is suit for 1.5/2mL tubes, which can be used for extraction of DNA and RNA.

### FEATURES:

- Speed range of 200-14000rpm, max. RCF 18620 x g
- Precise control of speed and time separately
- Easy operation with intuitive menu and easy-to-read display
- Maintenance-free brushless DC motors
- Pulse operations for quick spins
- Rotor Capacity: Hematocrit rotor
- Hematocrit Rotor: 24 Capillary; Max. Speed: 12000rpm
- Tube Rotor: 1.5/2ml x 24 ; Max. speed: 14000rpm

### SPECIFICATIONS

Speed Range	200-14000 rpm Increment: 10 rpm
Max. RCF	18620xg
Speed Accuracy	±20rpm
Rotor	2 Type
Run Time	30 sec - 99 min / Continuous
Motor	Brushless DC Motor
Display	LCD
Safety Device	Door interlock, overspeed detector; Over-temperature detector, Automatic internal diagnosis, automatic rotor identification
Power	Single-phase 220V-240V, 50 Hz/60Hz, 5α; 500W
Acceleration/Braking Time [Sec]	30s↑ 30s↓
Dimension [D x W x H	280 x 364 x 274 mm
Weight	10Kg
Certification	CE cTUVus FCC MCA
Advanced Features	Speed/RCF switch; Short-time run function; sound alert function



Model: DM1424  
Capacity: 24 Placer

### ROTORS:

#### A24-2P

Max. Speed : 14000rpm  
 Max. RCF: 18620xg  
 Rotor Capacity: 2mL/1.5mLx24, 0.2mLx24, 0.5mLx24  
 Rotor Material: High strength plastic  
 Available Rotor Adapters: A02P2, A05P2, A10P15 and Mat



### ADAPTORS:

#### A02P2

2mL to 0.2mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk



#### A05P2

2mL to 0.5mL rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk



#### A10P15

Rotor adapter, used with A12-10P, 12pcs/pk



## TUBE ROLLER MX-T6-S

The DLab Tube Rollers provide a gentle and highly efficient rolling motion, ideal for mixing blood samples, viscous substances, and liquid-solid suspensions. Used in a variety of applications such as prevention of blood coagulation, immune precipitation and many more.



### SPECIFICATIONS

Amplitude	24mm
Motor type	DC Motor
Rocking Motion	Rocking and Rolling
Max. Load Capacity	4 Kg.
Number of Rollers	6
Roller Size [Length]	280mm
Speed Range	0-70 rpm
Speed Display	Scale
Operation Mode	Continuous
Voltage	100V-240V, 50/60 Hz
Power	25W
Dimension {D x W x H}	450 mm x 260 mm x 120 mm
Weight	4.5Kg.
Permissible Ambient Temperature and Humidity	5-40°C, 80% RH
Protection Class	IP21

### FEATURES:

- Speed range of 0-70rpm
- Six roller design for gentle rolling; easy to clean



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+63917.878.2288 • +63925.878.2288

www.trulaboratories.com

## DIGITAL DRY BATH (LED) HB-120S

A Dry Bath is a type of laboratory equipment that is used to heat samples. It is often used in molecular biology, microbiology, biochemistry and genetic applications.



### FEATURES:

- A wide range of temperature control up to 120°C
- Timer function support is available
- Flexible adapter block selection
- Overheating protection
- Lid for protection and heat preservation



SPECIFICATIONS	
Function	Heating
Temperature Range	Room Temperature - 120°C
Temp. Control Accuracy [at 37°C]	±0.5°C
Temperature Uniformity	±0.5°C
Max. Heating Rate	5.5°C/min.
Timer	1 min. - 99h 59 mins.
Screen	LED
Over Temperature	140°C
Adapter Block Material	Aluminum
Voltage, Frequency	100-240V, 50Hz/60Hz
Power	160W
Dimension [D x W x H]	175 x 290 x 85mm
Weight	3kg.

FEATURES	CAPACITY	DIAMETER DEPTH
	0.2mLx54	6.4mm 15mm
	0.5mLx40	8.2mm 26.4mm
	1.5mLx40 2mLx40	11mm 34.7mm
	5/15mLx28	17mm 48mm
	5mL blood collection tube x 45	13.5mm 48mm
	50mLx8	29.8mm 48mm
	0.2mL+0.5mL+1.5/2mL 18+18+18	0.2mLx54
	0.96 or 384 well plate	0.2mLx54
	8 PCR strips and 96 PCR microplate	0.2mLx54
	Two-in-one block, bead bath/water bath	0.2mLx54

## SHAKERS

The Orbital and Rocking Shakers provide a smooth continuous motion for uniform mixing. Display of time and speed can be viewed through the double LCDs. A wide range of platform is available for use with a variety of vessels.

### SK-0180-S (Orbital)



#### FEATURES:

- Max. load capacity is 2 Kg. with platform
- Double LEDs for independent display of time and speed
- Speed range of 40-200rpm
- Wide range of platforms for use with a variety of vessels

SPECIFICATIONS	
Orbital Diameter	20mm
Max. Load Capacity (With Platform)	3Kg
Motor Type	DC Motor
Motor Input Power	16W
Motor Output Panel	10W
Power	220V, 50/60Hz
Time Setting Range	1 min-19h 59 min.
Speed Range	40-200rpm
Speed Display	LED
Timer Display	LED
Voltage	220V, 50/60Hz
Protection Class	IP21
Weight	3.1Kg
Permissible Ambient Temperature and Humidity	5-40°C 80% RH
Dimension [WxDxH]	270 x 330 x 110mm

### SK-R1807-S (Rocking)



#### FEATURES:

- Rocking motion angle 7°
- Max. load capacity is 3Kg with platform
- Speed range of 10-80rpm
- Double LEDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels

SPECIFICATIONS	
Tilt Angle	7°
Max. Load Capacity (With Platform)	3Kg
Motor Type	DC Motor
Motor Input Power	16W
Motor Output Panel	10W
Power	220V, 50/60Hz
Time Settings Range	1min-19h 59min
Speed Range	10-80rpm
Speed Display	LED
Timer Display	LED
Voltage	220V, 50/60Hz
Protection Class	IP21
Weight	3.2 Kg.
Permissible Ambient Temperature and Humidity	5-40°C; 80% RH
Dimension [WxDxH]	270 x 330 x 130mm

## INOCULATION LOOP STERILIZER ST800-S

ST800-S is an excellent alternative to traditional alcohol lamps and bunsen burners, as an effective way to sterilize laboratory equipment. Use this infrared sterilizer to disinfect tweezers, inoculation needles, inoculation loop etc. via the high temp, short time function, or maintain low temperatures for long-time sterilization in order to prevent contamination.



#### FEATURES:

- DLAB sterilizers are fast, convenient and can replace alcohol lamps and bunsen burners.
- Sterilization is completed within 5-7 seconds.
- Very safe to operate with no visual fire. It is only ashing the organic matter in the depths of ceramic heating body and preventing cross contamination.
- LED display of actual temperature with temp control accuracy of 10°C.
- High temperature accuracy with overheating protection.
- These can be used in biology safety cabinets and clean bench space.
- Precise temperature control precision and is adjustable from 300 - 830°C.

SPECIFICATION	
Display	LED
Temperature Range [°C]	Room Temperature -120°C
Central Zone Max Temperature [°C]	825±50
The heating zone adjustable angle	0-40°C
Max. outer diameter of sterilized items [mm]	15
The total length of heating area [mm]	140
Heating Tube	Ceramic
Shell	ABS
Dimensions [L x W x H]	180mm x 120mm x 217mm
Weight	1.5Kg
Voltage	220V, 50/60Hz
Power [W]	190
Working Temperature [°C]	-10~40
Working Humidity [% RH]	<80
Storage Temperature [°C]	-40~60
Storage Humidity [% RH]	10~90



## VORTEX MIXER MX-S

### FEATURES

- Touch operation or continuous mode
- Variable speed control from 0 to 3000rpm
- Used for various mixing applications with optional adapters
- Specially designed vacuum suction feet for body stability
- Robust aluminum-cast construction



SPECIFICATIONS	
Voltage	220V, 50/60Hz
Power	60W
Mixing Motion	Orbital
Orbital Diameter	4mm
Motor Type	Shaded Pole Monitor
Motor Rating Input	58W
Motor Rating Output	10W
Speed Range	100-3000rpm
Speed Display	Scale
Run Type	Touch Operation / Continuous
Dimensions [WxHxD]	127 x 130 x 160mm
Weight	3.5 Kg.
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80% RH
Protection Class	IP21

### ACCESSORIES (OPTIONAL)



**Standard Top (Default)**  
for <math>\varnothing</math>30mm tubes and small vessels



**Tube Holding Rod**  
used with tube adaptors



**Universal Top Plate**  
 $\varnothing$ 100mm



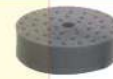
**Platform Pad**  
<math>\varnothing</math>99mm tubes and small vessels



**Vacuum Chuck**  
Made of Rubber

### TUBE ADAPTORS

### REMARKS



48 holes test tubes  
 $\varnothing$ 6mm



15 holes test tubes  
 $\varnothing$ 10mm



12 holes test tubes,  
 $\varnothing$ 12mm



for 8 holes test tubes  
 $\varnothing$ 16mm



for 8 holes test tubes  
 $\varnothing$ 20mm





TruScreen



NOVEL OPTICS



gluco PLUS



O. KINDLER  
Mikroskopische Gläser  
EUKITT  
MADE IN GERMANY

EpiTope Diagnostics, Inc.

VITREX®



## MICROSCOPE SLIDES



### TYPE OF MICROSCOPE SLIDES

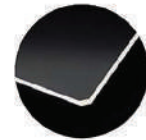
- Plain
- Frosted
- Color Frosted
- Adhesive
- Concave

ITEM DESCRIPTION	PACKAGING
Plain, Cut Edges, 90°	72 pcs per box
Plain, Ground Edges, 45°	72 pcs per box
Frosted, Cut Edges, 90°	72 pcs per box
Frosted, Ground Edges, 45°	72 pcs per box
Colored Frosted Green, 45°	50 pcs per box
Colored Frosted Blue, 45°	50 pcs per box
Colored Frosted Orange, 45°	50 pcs per box
Colored Frosted Pink, 45°	50 pcs per box
Colored Frosted Purple, 45°	50 pcs per box
Colored Frosted Yellow, 45°	50 pcs per box
Colored Frosted White, 45°	50 pcs per box
Adhesive Slides Blue, 45°	72 pcs per box
Concave, Double°	72 pcs per box

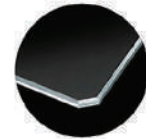
### CORNERS / EDGE TYPE



**FUNDAMENTAL STYLE**  
90° Ground Edge or  
90° Corner



**SAFETY CORNERS**  
90° Ground Edge or  
Slightly Clipped Corners

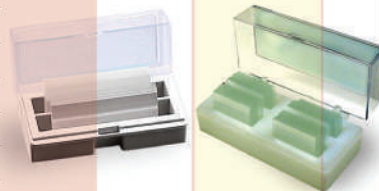


**CLIPPED CORNERS**  
45° Beveled  
(No Sharp Edges)

### COVER GLASS

A piece of very thin glass or plastic used to cover material on a microscope slide.

SIZE	QUANTITY
22 x 22 mm	200 pcs per box
22 x 40 mm	100 pcs per box
24 x 24 mm	200 pcs per box
24 x 40 mm	100 pcs per box
24 x 50 mm	100 pcs per box
24 x 56 mm	100 pcs per box
24 x 60 mm	100 pcs per box



### GLASS DIAMOND WRITER (WOODEN HANDLE)

The wooden handled Diamond Pencil is for the permanent labelling of microscope slides and other glass products. The engraved information is resistant to humidity, heat, cold and solvents and complies particularly with the guidelines of Good Laboratory Practices (GLP).



### MICROSCOPE CLEANING KIT

**Cleaning Solution:** Removes dirt, dust and fogginess from lenses while creating a protective layer on lenses to prevent further residue build-up. Antistatic. Can be used to clean body of microscope as well.

**Air Blower:** Use this puff-of-air tool to gently blow and dust off optics without having to touch the lens.

### COVER GLASS FOR IMPROVED NEUBAUER

The hemacytometer glass cover is placed on top of the Neubauer counting chamber, covering the central area. The glass cover leaves room for cell concentration between the bottom of the chamber and the cover itself. The chamber is designed so that the distance between the bottom of the chamber is 0.1 mm.



24 x 24 mm,  
0.4 mm thick

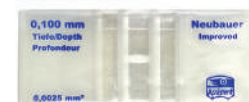


20 x 26 mm,  
0.4 mm thick



### IMPROVED NEUBAUER

The Neubauer counting chamber is a thick crystal slide with the size of a glass slide (30 x 70mm and 4 mm thickness). The central area is where the cell counts are performed. The chamber has the (1) central part, where the counting grid has been set on the glass, and (2) double chambers with two counting areas that can be loaded independently.

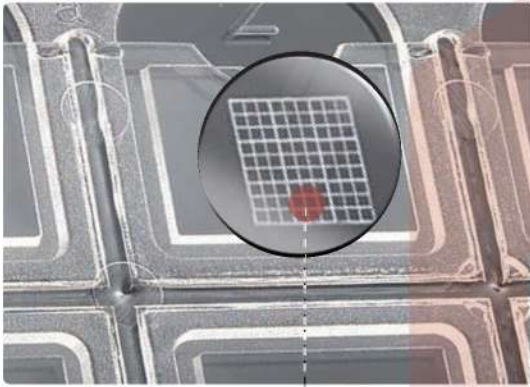


## COUNTING CHAMBER SLIDES

Designed for the quantitation of particulate liquid material, in the applications of water and urine analysis, cell and particle counting and etc. Molded from a high quality optical clear PS material, counting chamber slides are of a standardized depth, subject to strict quality control during production and before delivery, and ready for use, delivering considerable accuracy and precision and great convenience over the conventional glass counting chamber.



### Anatomy of the Counting chamber slide

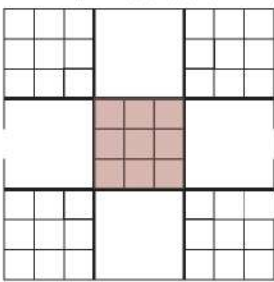


- There are 10 chambers on the slide
- The area delimited by the grid is 3mm×3mm
- The grid is divided into 9 squares of 1mm×1mm
- Every square of 1mm×1mm is further divided into 9 smaller squares of 0.333mm x 0.333mm

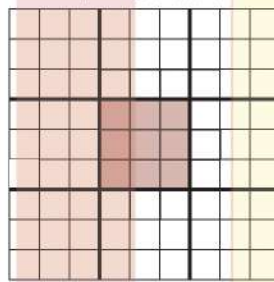
Corresponding capacities:

- The whole delimited grid: 0.9 L
- Each of the 9 squares of 1mm x 1mm: 0.1 L
- Each of the 9 smaller squares of 0.333mm x 0.333mm: 0.0111 L

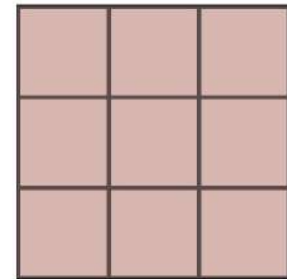
HM340 Delimited area of 3mm x 3mm



HM330 Delimited area of 3mm x 3mm



Large Central Square



Formula:

To obtain the number of cells per  $\mu\text{l}$ :  $T_{\mu\text{l}} = \frac{n}{k \times N \times CF}$

Formula:

To obtain the number of cells per ml:  $T_{\text{ml}} = \frac{n \times 1000}{k \times N \times CF}$

Remarks:

n = total number of cells counted

k = 0.0111

N = number of small squares observed

CF = concentration factor

$T_{\mu\text{l}}$  = total cells present in  $1 \mu\text{l}$

$T_{\text{ml}}$  = total cells present in 1ml

## CONTAINERS

TruLaboratories offers an extensive range of urine and stool containers, sterile and non-sterile. The containers are made entirely of polypropylene and polystyrene, which are chemical resistant even to hydrochloric acid latex and zinc.



CONTAINER TYPE	VOLUME	DESCRIPTION
Sputum Flip Top	20ml	Non-Sterile
Sputum, Screw Cap	20ml	Non-Sterile
Sputum, Screw Cap	20ml	Sterile
Urine	30ml	Non-Sterile
Urine	50ml	Sterile, Color: White
Urine	60ml	Sterile, Colors: Red, Blue, White and Yellow
Urine	60ml	Non-Sterile
Urine	60ml	Drug Testing Bottle, Non-Sterile
Specimen	150ml	Sterile, Color: Red
Specimen	150ml	Non-Sterile, Colors: Red and White
Stool	30ml	Non-Sterile
Stool	60ml	Sterile, Colors: Red and White

## TEST TUBE RACK

### SPECIFICATION:

Capacity: Full and Half Rack  
 Materials: Polypropylene (PP) and Stainless  
 Colors: Blue, White, Yellow and Red

### DIMENSIONS:

90 Placer for 12-13mm Diameter Tubes  
 60 Placer for 15-17mm Diameter Tubes  
 40 Placer for 20-21mm Diameter Tubes  
 36 Placer for 12-13 Diameter Tubes  
 36 Placer for 15-17 Diameter Tubes  
 9 Placer for 29-30mm Diameter Tubes  
 50 Placer for 12-13mm Diameter Tubes, Stainless Z-Shape  
 50 Placer for 15-17mm Diameter Tubes, Stainless Z-Shape



## SPECIMEN CONTAINER RACK

This 24 Placer, stainless rack keeps specimen container organized in its place, minimizing risks in spilling contamination.



## SPECIMEN SEAL UP RACK, IMPROSAFE

- **Isolated Seal:** Avoids cross infection, ensuring safety of specimen, personnel and environment.
- **Multifunctional:** It can be separated into two parts. The bottom part can be used as universal tube rack in the laboratory. No need to transfer repeatedly.
- **Number of Racks:** Identify specimen easily with number (1~100) marks on the rack.
- **One Step Operation:** Seal up specimen in one step improving work efficiency.
- **Stackable:** Positioning groove and ridge design allows stable mounting of racks on top of each other.
- **Available in:** 13 x 75mm and 13 x 100mm Diameter Tubes.

## HISTOLOGY BASE MOLDS

For use in the preparation of pathology specimens.



### SIZES AVAILABLE

#### STAINLESS:

- 7mm x 7mm x 7mm
- 15mm x 15mm x 7mm
- 24mm x 24mm x 7mm
- 37mm x 24mm x 7mm

#### POLYSTYRENE:

- 7mm x 7mm x 5mm
- 17mm x 17mm x 5mm
- 25mm x 25mm x 5mm
- 30mm x 20mm x 15mm

## FILTER PAPER

Filter paper is highly useful in solvent filtering cellulose analysis, and is a must have at any lab or industrial process that involves separation and purification.

Format: Ashless  
 Weight: 80 grams per square meter  
 Size: 600mm x 600mm



## TISSUE AND BIOPSY CASSETTE

Disposable plastic cassettes hold tissue specimen during the embedding process and storage. Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical reaction of histological solvents. Available colors: Yellow, Blue, Green, Pink, White, Purple and Aqua.



## EMBEDDING RING

These rings hold and identify tissue specimen blocks during sectioning, storing, positioning and embedding operations. In addition to this the provided embedding ring ensures accurate positioning of tissue samples.



## MICROPLATES

Trulaboratories offers a variety of 96 well microplates for diagnostic and immunological research applications. Available in U, V and Flat bottom. All items are sterile.

## TALLY COUNTER

This hand counter records everything from 0000 to 9999, it has chrome plated case, lightweight with finger ring, best taken in hand.



The Davidson Marking System® is the original tissue marking system, first developed for the MOHs technique. It is suitable for a variety of laboratory applications requiring orientation of tissue specimens. These tissue marking dyes are permanent tissue markers for use on surgically removed tissue specimens. When viewed at macro and microscopic level, the dyes identify margins with distinctive coloration.



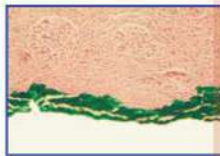
**7 color set includes:**

One each of green, yellow, black, red, blue orange and violet.  
50 applicator sticks and instructions available with a plastic tray.  
Size: 30ml x 7 bottles.

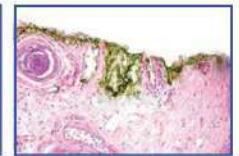
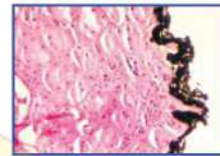


**3 color set includes:**

One each of green, red and blue. 50 applicator sticks and instructions available with a plastic tray. Size: 59ml x 3 bottles.



- Suitable for both fresh and frozen tissue samples
- Can be used pre- or post- fixation
- Adhere to tissue throughout processing
- Clearly visible under the microscope
- Can be easily distinguished from each other
- Economical and space-efficient



**Method of use:**

1. Shake tissue dye well before and throughout each use.
2. Carefully blot tissue to remove excess moisture.
3. Apply dye directly to desired portion of tissue using an applicator stick or brush. Cotton tipped applicators or brushes are effective for larger areas, while a wooden stick can be used for more specific, detailed application.
4. Do not apply excess dye as this will prolong drying time.
5. Recap bottle promptly to prevent evaporation.
6. Allow dye to dry completely (1-2 minutes). Once dry, the dye is permanently bonded to the tissue.
7. No mordant is necessary, but if desired, acetic acid is appropriate and effective.
8. Once dry, the processing of the tissue can be performed.



Pictures of orienting and sectioning



**SPECIFICATIONS**

Precautions	<ul style="list-style-type: none"> <li>• Dye should only be applied to excised tissue, never directly on patient.</li> <li>• Always shake the bottle well before each use.</li> <li>• Pour out a small amount of dye for immediate use, then tightly close the bottle.</li> </ul>
Storage Instructions	<ul style="list-style-type: none"> <li>• Store the product in original packaging, in a dry environment, preferably protected from direct sources of heat and light.</li> <li>• Store at room temperature - recommended storage temperature between 5°C and 32°C.</li> <li>• Avoid large variations in temperature conditions during storage.</li> <li>• Dyes will dry out in the bottle if left uncapped.</li> </ul>
Compatible Instruments	<ul style="list-style-type: none"> <li>• The Davidson Marking System® tissue marking dyes are compatible with most automated tissue processors used in a histology lab.</li> </ul>
Product Conformity	<p>CE <b>IVD</b> CE 000577</p>

**TECHNICAL DATA**

Physical State	• Liquid
Cleaning	• Permanent on clothing. Use abrasive cleaner on surfaces

No Expiration





### BIOHAZARD BAG

Our Biohazard Specimen Bags incorporate a ziplock or adhesive specimen compartment and document pouch. It protects health care workers from specimen leaks while keeping its contents free from contaminants such as dirt or moisture. Each bag is imprinted with the universal biohazard symbol.

#### TYPE:

- Ziplock
- Adhesive: Tamper Evident
- Sizes: 6x9 and 24x16 inches



### CRYOGENIC FREEZING BOX

This rack holds 1.8 and 5ml cryovials or tubes of similar size. It can be placed in a freezer with temperature as low as -90°C (-130°F) and are stackable for convenient storage. Available in 36, 96 and 100 Placer.



### FACE MASK WITH SHIELD

High quality mask with attached eye shield to protect against accidental sprays or splashes. The shield is fog free and distortion free for clearer viewing and face protection during procedures.



### PAPSMEAR KIT

A Pap Smear, also called Pap Test, is a procedure doctor uses to test for cervical cancer in women. It can also reveal changes in cervical cells that may turn into cancer later. The test is done in a doctor's office or clinic. Which usually takes about 10 to 20 minutes. Each pack consist of Cyto Brush, Cervical Scraper, Single Frosted Slide and Swab.

### CERVICAL BRUSHES

The brush collects all cells essential for tracing the early stages of cervical cancer.



Broom Type (Purple Handle, Soft Flexible Brush)



Bullet Shaped Top (White Handle, Nylon Floss Material)



### TEST TUBE BRUSH

A Test Tube Brush is used for cleaning test tubes and narrow mouth laboratory glasswares such as graduated cylinders, burettes and erlenmeyer flasks. Available in small, medium and large sizes.



**WASH BOTTLE AND RACK**

Wash bottles save time, help avoid mistakes, and increase safety. Wash bottles are durable, chemical-resistant, squeezable and easy to clean. The leak proof wash cap assembly will deliver a single drop or a needle thin stream, with finger-tip squeeze control flow. Available in 250 and 500ml.

Wash bottle rack, transports wash bottles. The wash bottle rack offers safe, convenient, lightweight transportation that is sturdy and lightweight.



**PARAFILM M**

Parafilm M all-purpose laboratory film covers and shields your products from moisture while allowing gas permeability. It keeps moisture loss to a minimum and protects the content of laboratory items with a flexible covering for test tubes, beakers, petri dishes and more. Convenient, flexible and self-sealing Parafilm M laboratory film is an essential item in health care, pharmaceutical and research labs.  
Size: 4 inches x 125 feet

**HISTOLOGY CONTAINER**

These non-sterile containers are carefully engineered for the storage of histology specimens. The containers are available in clear and white polypropylene with a plastic handle. The snap-on/flip-top caps are tamper evident and will not leak or pop off.



CAPACITY	QUANTITY
380ml	Clear and White
500ml	Clear and White
1 Liter	Clear and White
2 Liters	Clear and White
2.5 Liters	White
3 Liters	White
4 Liters	Clear
5 Liters	Clear and White
8 Liters	White, Square

**STAINING JAR AND RACKS**

This heavy glass staining jar is an essential microscope accessory for the histology lab. The slide staining rack is used for simultaneous staining of 20 and 30 slides.

**COPLIN JAR**

It is designed to hold microscope slides for staining and washing. Available in clear glass and polypropylene for 5 slides.



**MICROTOME BLADE**

Supplied as disposables for facilitating the microtome and cryostat in tissue specimen sectioning using the laterally displaceable blade holder.

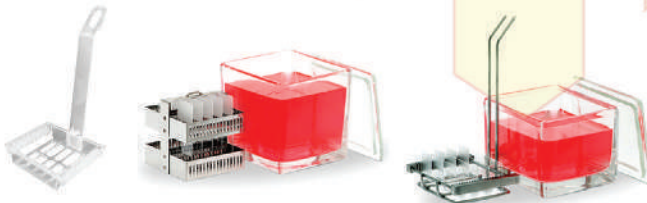
Material: Stainless Steel  
Packaging: 50 pcs per box



20 and 30 per Unit  
Stainless Steel



20 Slides per Unit  
Polypropylene



**PARAFFIN WAX**

In Histopathology, paraffin wax is used for embedding surgical specimens. It is solid at room temperature and melts between 54°C and 60°C.



Melting Point 54-56°C



Melting Point 56-60°C



**TruLaboratories**  
Corporation

+632 82-TRULAB (878522)  
+63917.878.2288 • +63925.878.2288  
[www.trulaboratories.com](http://www.trulaboratories.com)



### WAX TRIMMER

Wax Trimmers TR303 is an effective way of removing excess paraffin wax from the tissue cassettes after embedding.

- Compact and smart design
- High quality heating element, delivers prompt heating, energy saving and long shelf life
- US made temperature sensor, works with plastic liner, simplifying the collection and disposal of waste wax
- Auto-memory of last settings and recovery functions
- LED display of heating status



PRODUCT SPECIFICATION	
P/N	TR303-000
Model No.	TR303
Instrument Dimensions	255mm x 180mm x 155mm (LxWxH)
Working Area Dimension	230mm x 160mm (LxW)
Working Voltage	AC220V/110V±10%, 50Hz/60Hz
Power Rating	150W
Net Weight	3.0kgs
Temperature Set	Ambient -90°C (±1°C)

### WAX DISPENSER

The Wax Dispenser WD361 is designed for on-demand delivery of molten wax. It heats wax to a liquid state and provides convenient "wax on tap" for histology labs.

- High quality heating element, delivers prompt heating and energy saving.
- US made temperature sensor enables the unit work with high precision and reliability
- Auto-memory of last settings and recovery functions
- LED display of heating status
- Intelligent heating control of wax valve ensures smooth wax flow



PRODUCT SPECIFICATION	
P/N	WD361-000
Model No.	WD361
Dimensions	355mm x 410mm x 540mm (LxWxH)
Net Weight	16.0kgs
Wax Cylinder Capacity	10.0L
Working Voltage	AC220V/110V±10%, 50Hz/60Hz
Power Rating	1200W
Temperature Set	Ambient ~99°C (±1°C)

### SLIDE STAINING PLATE

The Slide Staining Plate is constructed in dimensions of 38cm x 24cm x 4.5cm from a special heavy-duty ABS material which is resistant to most chemicals (including Acetone). The staining plate base outstandingly features four elevated rails that are especially coated and holds up to 20 slides ideally even when the staining plate base is arranged/held at a sloping position. The wells between/around the rails can accommodate considerable excess liquid volumes that flowing down from microscope slides, thus, slides are not only free from liquid touches but also more approachable for being picked-up and placed-back.

- Holds up to 20 slides
- Ideal for hematology, cytology and microbiology labs
- Rails cover with a special "tacky" polymer strip that hold slides in place, even if the tray is held at an angle
- Raised rails facilitate easy retrieval of slides
- 4 rubber feet ensure greater stability
- Type of cover: Transparent cover, made of PET material, enables immediate visual observation



### SLIDE STAINING SYSTEM

- Structural base, made of high quality stainless steel material, resistant to commonly used solvents
- Reservoirs and slide staining racks made of POM material, resistant to solvents and high temperature (up to 170°C), and can be used in microwave ovens.
- Slide staining system SS103 is highly recommended for hematology slide staining.
- Compatible with all the standard microscope slides of 75.0×25.0×(0.8-1.2)mm





**INDICATOR pH PAPER pH 0-14**

pH Paper is used to determine if a solution is acidic, basic or neutral. This is determined by dipping part of the paper into a solution of interest and watching color change.



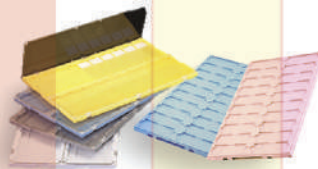
**LENS CLEANSING TISSUE**

Cleans safely glasses, goggles, microscope lens and more with no scratching.



**SLIDE TRAY**

Storing slides horizontally lets you check your slides visually. Colors available are Blue, Pink and White, with and without transparent cover.



**SLIDE BOX**

Hinged ABS plastic and wooden box has a metal clasp, index in lid and cork lining. Number slots holds 25-100 slides. Stackable.



**APPLICATOR STICK**

Disposable wooden applicator sticks with uniform cylindrical shape and smooth finish. They can be used for routine spot test sampling and drop transfers or wherever handy, disposable mixing is required.

Quantity: 1,000 pcs per box  
Type: Non-Sterile



**TRAY DISPENSER**

Easy-to-use top-loading dispenser fits standard 25 x 75 mm (1"x3") slides. Capacity: 91 Slides.



**SLIDE MAILER**

Economic and resealable, made of extra-strong, clear polypropylene, these slide mailers keep slides secured during transport.



Single Capacity

Double Capacity

Triple Capacity

**SHARPS CONTAINER**

Sharps Container Systems provide solutions for the safe and effective containment and disposal of contaminated needles, syringes and other sharps. They are stackable, puncture-resistant autoclave and incinerator-safe.



0.7 Liter



1 Liter



5 Liters  
(Also available in Paper)



10 Liters (Paper)



15 Liters



23 Liters



Laboratory Waste Can  
30 Liters Capacity



Needle Destroyer with Cutter



### DIGITAL THERMOMETER

- Indoor and outdoor temperature and humidity display in °C or °F.
- Memory to store/recall the max/min temperature and humidity.
- Clock and date display function
- Temperature Range: -10°C to 50°C
- Humidity Range: 20% ~99% RH

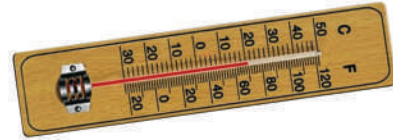


### REF THERMOMETER

Monitor your refrigerator or freezer operation with an easy-to-read thermometer. Features an extra-large 2" diameter display that reads °F and °C and shows safe temperature zones (-30°C to 30°C). Designed to sit on shelf or hung on rack.

### ROOM THERMOMETER

This classic thermometer is made of a solid Beech Wood with an aluminum scale. The capillaries are filled with a specially colored thermometer liquid.



### LABORATORY THERMOMETER (ALCOHOL FILLED)

A laboratory thermometer is used for measuring temperatures. It ranges from -10°C to 110°C. It is designed for lab purposes such as checking boiling point, freezing point and temperature of other substances.

### TIMER

Designed specifically for routine time tests, quality control requirements, and repetitive analysis. Features three-button control and large digit. Alarm sounds when the time is up. Magnet/stand/clip back. Battery requirement: AAA Alkaline Battery.



One Memory



Three Memory

### INOCULATION LOOP AND NEEDLES

Calibrated 1 and 10µL disposable loops, made of ABS material (soft flexible plastic) for a smooth, problem free planting and streaking of cultures. These loops do not cut or damage the agar surface during streaking.



### PRODUCT SPECIFICATION (DISPOSABLE)

- 10µL Inoculation Loop with Needle, Disposable
- 1µL Inoculation Loop with Needle, Disposable
- 1µL + 10µl Inoculation Loop, Disposable
- Inoculation Needle, Disposable

### NICHROME WIRE WITH GLASS HANDLE

Consist of looped nichrome wire fixed into a brass handle. It is easy to sterilize and reuse because nichrome wire resists deterioration with repeated heat/cooling cycles. Flame sterilization is a very simple method of killing microorganisms on an inoculating loop.



### INOCULATION LOOP HOLDER WITH REMOVABLE HANDLE

Needle holder for inoculation loop and dissecting needles up to max. Ø1.0 mm, with removable handle. Upper part is autoclavable.



### PRODUCT SPECIFICATION

- Nichrome Wire, 10 pcs per tube
- Glass Handle with Nichrome Wire

### PETRI DISH

Petri dishes are shallow cylindrical containers with fitted lids that are designed specifically for microbiology or cell culture use. Petri dishes are typically made of borosilicate glass or clear plastics (usually polystyrene) and comes in a variety of sizes. They can be disposable or reusable types, able to withstand repeated sterilization procedures (wet or dry).



### PRODUCT SPECIFICATION

- 60mm, 1 Room
- 90mm, 1 Room
- 90mm, 2 Rooms
- 90mm, 3 Rooms
- 150mm, 1 Room

### LANCET



Lancets are small needles that are used to prick the skin to obtain blood sample. Available in Twist and Flat types.

### LANCING DEVICE



A device that holds a lancet firmly, and when triggered, moves the lancet linearly ahead to prick the skin in a controlled manner. The purpose is to obtain a small amount of capillary blood for testing.

### SAFETY BLOOD LANCET

- The needle retracts automatically and permanently into the safety lancet after use, avoiding the risk of sharp injuries.
- Safety lancets are designed for single use, avoiding the risk of cross-infection between patients.
- Each safety lancet is designed to puncture and penetrate to predetermine depth that is safe and specific to patient type.
- Safety lancets offer clear safety advantages in a clinical environment for patients, clinicians and cleaning personnel.
- Available in Gauge 21 and 26



### SAFETY BLOOD COLLECTION SET

Safety Blood Collection sets are designed to increase the safety of routine venipuncture procedures. The winged blood collection needle has a safety mechanism that is activated after blood collection as the needle is pulled out of the vein for maximum protection against needlestick injuries. Available in Gauge 21, 23 and 25.



### FLASHBACK NEEDLE

Visible Flashback Blood Collection Needle is made of stainless steel, needle point is tri-bevel cut which minimizes the pain while puncturing into the vein. The transparent barrel makes the vein blood flow visible after puncture. Available in Gauge 21 and 22.



### MULTISAMPLE NEEDLE

Multisample Blood Collection Needles permit several samples to be taken with a single puncture. Sharp, smooth edges help reduce pain upon penetration, and provide easy connection to rubber stoppers. Available in Gauge 21, 22 and 23.



### NEEDLE ADAPTOR

These Needle Adaptors are used in conjunction with blood collection tubes and needles to draw and transfer patient blood samples in healthcare settings.



### ADJUSTABLE TOURNIQUET

A tourniquet is used by the phlebotomist to assess and determine the location of a suitable vein for venipuncture.

Available colors: Light Blue, Dark Blue, Plum, Red and Green



### ALCOHOL LAMP



An Alcohol Burner is a piece of laboratory glasswares used to produce an open flame. Available in 30ml, 60ml, 100ml and 150ml.

### CARBOY WITH SPIGOT



Carboy is a leak proof polypropylene screw closure molded in spigot which provides strength and leak proof operation. Available in 5 liters and 10 liters.



### MEASURING CYLINDER

Measuring Cylinder is a piece of laboratory apparatus used to measure the volume of liquids, chemicals or solutions during the lab daily work. Available in 10ml, 50ml, 100ml, 250ml, 500ml and 1000ml.



### DESICCATOR

The purpose of a desiccator is to either dry a chemical or keep a chemical from becoming "wet" from atmospheric humidity (water in the air). Available in 185mm and 300mm clear glass.



### EVAPORATING DISH

Evaporating Dishes are used to evaporate excess solvents, most commonly water, to produce a concentrated solution or a solid precipitate of the dissolved substance. Available in 120mm.

### BEAKER WITH AND WITHOUT HANDLE



Glass (Without Handle)

Plastic (With Handle)

A beaker is a cylindrical container used to store, mix and heat liquids in laboratories. Beakers usually have a flat bottom and a lip around the top. Available in 50ml, 100ml, 150ml, 250ml, 500ml, 1000ml, 2000ml for Glass. 250ml and 500 ml for PP material.



### BOILING FLASK

Boiling flasks are used for heating and boiling of liquids. The flasks are designed to have round bodies with long, thin necks to facilitate uniform heat distribution and minimize evaporation. Its typically made of borosilicate glass, which is resistant to thermal shock and chemicals. Available in 150ml, 250ml, 500ml and 1000ml.



### CRUCIBLE

A Crucible is a type of laboratory glassware used to burn, melt or mix solid chemical compounds over a burner. It can hold all kinds of substances, materials and fluids. Material is porcelain and available in 50ml.



### ERLENMEYER FLASK

The Erlenmeyer Flask has diverse uses such as holding and measuring chemical liquid samples. It can also be used to mix, heat and boil chemicals. Available in 100ml, 250ml, 500ml and 1000ml.



### MORTAR AND PESTLE

Mortar and pestle is used to crush up solid chemicals into smaller pieces, or to grind solids into fine powder. This makes it easier to dissolve solids into solvents (when making solutions). Available in 100mm (Porcelain) and 150mm (Glass).

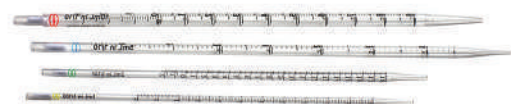


### PASTEUR PIPETTE



Pasteur Pipettes, also known as droppers, are laboratory liquid handling tools that are used to transfer small quantities of liquids. Available in 150mm and 230mm with cotton.

### SEROLOGICAL PIPETTE



Serological pipettes typically have graduations along their sides for measuring the amount of liquid being aspirated or dispensed. Available in 1ml, 5ml, 10ml.

### STIRRING ROD



A Stirring Rod is used for mixing liquids, or solids and liquids. Available in 330mm.



### GLASS FUNNEL

A Glass Funnel can be used to guard against spillage when pouring chemicals from one vessel to another, It can also be fitted with a filter paper to separate solids from liquids. Available in 90mm diameter.

### RUBBER PIPETTE BULB

This bulb pipette is made of natural rubber intended to be used on the end of glass dropping pipette.



### VOLUMETRIC FLASK



Volumetric Flask is a laboratory glassware used to prepare a solution. Available in 100ml, 250ml, 500ml and 1000ml.

### WATCH GLASS



Watch Glass is a round, concave glass dish used for evaporation in chemistry. It can also be employed for weighing solids and as a lid for flasks and beakers. Available in 90mm.



### REAGENT BOTTLE

Reagent Bottle is made up of Borosilicate glass 3.3, resistant up to +140 °C/+284 °F, with an autoclavable blue cap. Available in 500ml and 1000ml.

### REAGENT BOTTLE (AMBER)









Made from amber borosilicate glass reagent bottles feature stoppers or caps, which protect the contents from spilling or outside environmental contamination. Reagent bottles are excellent for storing powders and liquids. Available in 30ml, 60ml, 125ml, 250ml, 500ml, 1000ml and 2500ml.




















## BLOOD COLLECTION TUBE

Blood Collection Tubes comes in various sizes and color coded tops indicating tube contents. Most vacuum tubes contain an additive that either accelerates clotting of the blood (clot activator) or prevents blood from clotting (anticoagulant).






Mini Blood Collection Tubes are ideal for collecting and transporting capillary blood. It is highly recommended in patients with fragile veins, young children, geriatrics and in situations where only a small blood sample is required.

PICTURE	COLOR	ADDITIVE	ROLE OF ADDITIVE
	Purple / Lavender	EDTA (Ethylenediaminetetraacetic Acid)	Binds and remove calcium to prevent blood from clotting
	Light Blue	Sodium Citrate /9NC	Binds and remove calcium to prevent blood from clotting
	Green	Lithium Heparin Sodium Heparin	Inhibits thrombin formation to prevent clotting
	Red	Plain Tube or contains silica particles which act as clot activators	Clot activator promotes blood clotting with glass or silica particles
	Yellow	Anticoagulant SPS (Sodium Polyanetholsulfonate) and ACD (Acid Citrate Dextrose)	Prevents the blood from clotting and stabilizes bacterial growth
	Black	Sodium Citrate	Forms calcium salts that remove calcium and inhibits clotting



COLOR	DESCRIPTION	PACKAGING
	EDTA, K2, 2ml, PS	100 pcs Tubes per Box
	EDTA, K3, Glass, 2ml	100 pcs Tubes per Box
	EDTA, K2, PS, 3ml	100 pcs Tubes per Box
	EDTA, K3, Glass, 3ml	100 pcs Tubes per Box
	EDTA, K2, PS, 5ml, Short and Tall	100 pcs Tubes per Box
	EDTA, K3, Glass, 5ml, Short and Tall	100 pcs Tubes per Box
	Plain, Glass, 3ml	100 pcs Tubes per Box
	Plain, PS, 5ml, Short and Tall	100 pcs Tubes per Box
	Plain, Glass, 5ml, Short and Tall	100 pcs Tubes per Box
	Glass, 3.2% Sodium Citrate, 1.8ml	100 pcs Tubes per Box
	PS, 3.2% Sodium Citrate, 1.8ml	100 pcs Tubes per Box
	Lithium Heparin, Glass, 4ml	100 pcs Tubes per Box
	Sodium Heparin, Glass, 4ml	100 pcs Tubes per Box
	ESR, Glass, 3ml	100 pcs Tubes per Box
	Gel and Clot Activator, Glass, 4ml	100 pcs Tubes per Box
	Gel and Clot Activator, PS, 4ml	100 pcs Tubes per Box
	Gel and Clot Activator, PS, 5ml, 13 x 75mm	100 pcs Tubes per Box



COLOR	DESCRIPTION	PACKAGING
	PP Cap, Lithium Heparin, 0.5ml	50 pcs Tubes per Box
	PP and Rubber Cap, EDTA, K2 and K3, 0.5ml	50 pcs Tubes per Box
	Plain, PP Cap, 0.5ml	50 pcs Tubes per Box
	PP Cap, Gel and Clot Activator, 0.5ml	50 pcs Tubes per Box
	PP Cap, Gel and Clot Activator, Amber Tube, 0.5ml	50 pcs Tubes per Box

## BLOOD COLLECTION TUBE



COLOR	DESCRIPTION	PACKAGING
	3.2% Sodium Citrate, Glass, 1.8ml	100 pcs Tubes per Box
	3.2% Sodium Citrate, PS, 1.8ml	100 pcs Tubes per Box
	3.2% Sodium Citrate, Glass, 10ml	50 pcs Tubes per Box
	Lithium Heparin, Glass, 4ml	100 pcs Tubes per Box
	Sodium Heparin, Glass, 4ml	100 pcs Tubes per Box
	ESR, Glass, 2.4ml	100 pcs Tubes per Box
	Gel and Clot Activator, Glass, 4ml	100 pcs Tubes per Box
	Gel and Clot Activator, PS, 4ml	100 pcs Tubes per Box
	Gel and Clot Activator, Glass, 5ml, Tall Tube	100 pcs Tubes per Box
	Gel and Clot Activator, PS, 5ml, Tall Tube	100 pcs Tubes per Box
	EDTA, K2, PS, 2ml	100 pcs Tubes per Box
	EDTA, K3, Glass, 2ml,	100 pcs Tubes per Box
	EDTA, K2, PS, 3ml	100 pcs Tubes per Box
	EDTA, Glass, K3, 3ml	100 pcs Tubes per Box
	EDTA, PS, K2, 5ml, Short	100 pcs Tubes per Box
	EDTA, Glass, K3, 5ml, Short	100 pcs Tubes per Box
	Plain, Glass, 3ml	100 pcs Tubes per Box
	Glass, with Procoagulation, 3ml	100 pcs Tubes per Box
	Plain, Glass, 4ml	100 pcs Tubes per Box
	Plain, PS, 4ml	100 pcs Tubes per Box
	Plain, Glass, 5ml, Short	100 pcs Tubes per Box
	Plain, PS, 5ml, Short	100 pcs Tubes per Box
	Glass, with Procoagulation, 5ml, Short Tube	100 pcs Tubes per Box
	Plain, Glass, 10ml	100 pcs Tubes per Box



COLOR	DESCRIPTION	PACKAGING
	EDTA, K2, Glass, 2ml	100 pcs Tubes per Box
	EDTA, K3, Glass, 3ml	100 pcs Tubes per Box
	EDTA, K3, Glass, 5ml, Tall Tube	100 pcs Tubes per Box
	EDTA, K3, PP Cap, 0.5 ml	100 pcs Tubes per Box
	Plain, Glass, 5ml, Short Tube	100 pcs Tubes per Box
	3.2% Sodium Citrate, Glass, 2ml	100 pcs Tubes per Box
	Gel and Clot Activator, Glass, 4ml	100 pcs Tubes per Box



## PIPETTE TIPS



### BLUE PIPETTE TIPS



Eppendorf with Crown



Gilson without Crown



Eppendorf with Crown with Graduation

500 pcs per pack (1000µl)



### YELLOW PIPETTE TIPS



Eppendorf with Crown



Gilson without Crown



Gilson without Crown with Graduation

1000 pcs per pack (200µl)

## DUAB



### WHITE PIPETTE TIPS



With Crown 0.5 - 10µl



With Crown 5000µl

1000 pcs per pack (0.5 - 10µl)  
100 pcs per pack (5000µl)



### WHITE PIPETTE TIPS



Without Crown 5000µl

100 pcs per pack

## CONDUCTIVE TIPS

Conductive tips are produced under clean room conditions, they are tested to be dnase and rnase-free and non-pyrogen. With conductive tips, you can use the smallest amount of liquid and get the highest precision without any contamination.

- 96 tips in rack for Bio-Rad Evolis
- Made in Germany



300µL



1100µL

## RACKED FILTER TIPS

Filter tips protect the sample from aerosols and liquids. A proper barrier to all contaminants, the tip comes with a reliable liquid blocking technology. Used in PCR molecular labs.

Available in:  
White Tips, 10µL  
Yellow Tips, 200µL  
Blue Tips, 1000µL



## WBC PIPETTE



This is a bulb pipette having a long stem with a capillary bore and pointed tip. The bulb contains a white bead inside. A small rubber tube provided with a mouth piece is connected to the small narrow portion, above the bulb for sucking blood and fluid into the pipette.

## RBC PIPETTE



This is a bulb pipette having a long stem RBC pipette is graduated to give dilution 1:100 or 1:200. It has bottom marked with 0.5 and 1 and the top is marked with 101. It has a round bulb containing red bead. A rubber tube is attached to the top for sucking.

## SAHLI PIPETTE



Sahli pipettes usually used as Hemoglobin pipettes for dosing the blood with capacity of 20 µl.

## PIPETTE TIP RACK

- Molded from PP material, autoclavable and recyclable
- Snap-lock clasp guarantee the lid securely fastened
- Easy for one-handed operation
- Neutral lid and box



## DISPOSABLE TRANSFER PIPETTE



- Made from flexible polyethylene.
- Transparent wall permits easy viewing of pipette contents
- Clearly visible with either clear or turbid samples.
- Available in 1ml and 3ml Non-sterile.
- Also available in 3 ml Sterile.

## PHLEBOTOMY ARM SUPPORT

- Keeps the elbow straight and elevated
- Provides comfort and relaxation for the patient



## WARDING TRAY

Warding Tray is light weight and easy to clean. Deep tray design allows organization of various venipuncture materials. Also available Warding Tray with tube slots.



## ERYTHROCYTE SEDIMENTATION RATE (ESR)

ESR is a simple non-specific screening test that indirectly measures the presence of inflammation in the body. It reflects the tendency of red blood cells to settle more rapidly in the face of some disease states, usually because of increase in plasma fibrinogen, immunoglobulin, and other acute-phase reaction proteins. Changes in red cell shape or numbers may also affect the ESR.

There are two main pipettes used to measure the ESR: the Westergren and the Wintrobe Pipette. Each pipette produces slightly different results.

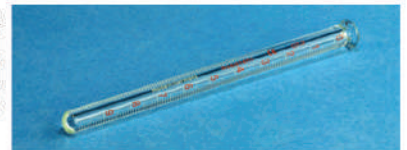
### WESTEREGREN METHOD

The Westergren method requires collecting 2ml of venous blood into a tube containing 0.5ml of sodium citrate. It should be stored no longer than 2 hours at room temperature or 6 hours at 4°C. The blood is drawn into a Westergren-Katz tube to the 200mm mark. The tube is placed on a rack in a strictly vertical position for 1 hour at room temperature, at which time the distance from the lowest point of the surface meniscus to the upper limit of the red cell sediment is measured. The distance of fall of erythrocytes, expressed as millimeters in 1 hour, is the ESR.



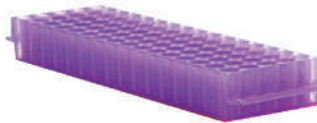
### WINTROBE METHOD

The Wintrobe method is performed similarly except that the Wintrobe tube is smaller in diameter than the Westergren tube and only 100mm long. EDTA anticoagulated blood without extra diluent is drawn into the tube, and the rate of fall of red blood cells is measured in millimeters after 1 hour. The shorter column makes this method less sensitive than the Westergren method because the maximum possible abnormal value is lower. However, this method is more practical for demonstration purposes.



### ESR PIPETTE STAND

- The Pipette Stand is designed to hold Pipette and ESR tubes.
- Capable of holding 10 ESR Pipette exactly in vertical position



### MICROCENTRIFUGE RACK

Microcentrifuge racks provide optimum stability to small contained samples and allow one handed operation. It is excellent for benchtop use or freezer storage.



### CRYOGENIC TUBE RACK

Cryogenic tube rack are capable of withstanding the extreme freezing temperatures required for stabilizing samples to study overall behavior. It supports securely and holds common sized cryogenic tubes.

## TUBE TYPES



### REGULAR TUBES

Material: Glass, Polystyrene (PS) and Polypropylene (PP)  
Available Volumes: 3, 5, 7, 10 and 15ml



### CENTRIFUGE TUBES

Types: Sterile and Non-Sterile  
Bottoms: Conical and Standing  
Available Volumes: 10, 15 and 50ml



### CRYOGENIC TUBES

Types: Sterile and Non-Sterile  
Bottom: Conical and Self-Standing  
Available Volumes: 1, 1.8, 2 and 5ml



### CULTURE TUBES

Material: Polystyrene (PS)  
Tube and cap are individually wrapped  
Available Volumes: 5 and 15ml



### CULTURE TUBES

Material: Glass  
Screw-capped  
Available Volumes: 7, 10, 15 and 30ml



### DURHAM TUBES

Material: Soda-Lime Glass  
With round bottom and smooth edges  
For detecting gas production in micro-organisms  
Size: 35 x 6.35mm



### MICROCENTRIFUGE TUBES

Types: Snap Cap and Screw Cap  
Available Volume: 0.5, 1.5 and 2ml

## TEST TUBE HOLDER

It holds and has self closing jaws and finger grip for easy handling. Made of stainless steel.

Maximum diameter capacity :  
30ml test tubes.



## TEST TUBE CAP

Designed for use with 12 and 16mm diameter test tubes.

Colors Available: White and Purple  
Sizes available for 5 and 10 ml test tubes



## SAMPLE CUPS AND CUVETTES

For use on various laboratory chemistry analyzers.



### HITACHI

- Volume Capacity: 3ml



### BECKMAN

- Used on Beckman Synchron CX Series
- Volume Capacity: 2ml



### SYSMEX

- Reaction Tube

# VITREX®

## MICROHEMATOCRIT TUBES

Vitrex® Microhematocrit Tubes is a quality product that conforms to International Standard ISO 12772. The tubes are supplied fire-polished at the color-coded end, should be sealed with Vitrex Sigillum Wax. Fire polishing reduces wear on centrifuge seals. Supplied with color-coding on the packaging and on the tubes in plain (blue color), or with uniform sodium heparinization (red color).

### Available in:

Heparinized and Non-heparinized  
Microhematocrit Tubes



## ALCOHOL SWAB

Vitrex® Alcohol Swabs are an easy and convenient way to cleanse the skin and help fight bacteria at the site of application. Used as an antiseptic, cleanser before injections and blood sampling.



Each alcohol swab is individually sealed and is disposable for convenience and safety.

SIZE	PACKAGING	CONTENT
30 x 60mm	100 pcs per box	70% Isopropyl Alcohol

# gluco PLUS

Glucose Concentrated Drink

Gluco Plus® is an oral glucose-tolerance ready to drink beverage that is used to test for hyperglycemia (diabetes mellitus and gestational diabetes) and hypoglycemia.

- Available in 50, 75 and 100g concentrations.
- Packaged in 200ml crystal PET Bottle
- Made in Portugal
- With quality control and certificate of analysis

### TWO FLAVORS AVAILABLE



### ORANGE

Water, Glucose (75g), Orange Flavor  
E-211, E-954, E-102, E-110



### COLA

Water, Glucose (75g), Cola Flavor  
E-211, E-954, E-102, E-110



Gluco Plus 50	Per 100 ml
Energy	418 kJ 100 kcal
Carbohydrates	25g
Protein	0g
Fat / Lipids	0g

- Recommended to drink cold
- Once opened, should be kept in the fridge (2°C to 8°C)

Gluco Plus 75	Per 100 ml
Energy	627 kJ 150 kcal
Carbohydrates	37.5g
Protein	0g
Fat / Lipids	0g

Gluco Plus 100	Per 100 ml
Energy	836 kJ 200 kcal
Carbohydrates	50g
Protein	0g
Fat / Lipids	0g

### WARNING!

Product should be consumed under the supervision of a trained professional

## TRANSPORT SWAB

### PLAIN

Supplied in a shock proof round bottom PP tube with PE Stopper, which protects the sample up to the laboratory prior to its analysis, for general specimens and general laboratory use.



### STUART

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria possibly existing in the wound, nose, throat, nasopharyngeal, vagina or urogenital and skin specimens.

STUART GEL	
Sodium Thioglycollate	1.00g
Sodium Glycerophosphate	10.00g
Calcium Chloride	0.10g
Agar	3.0g
Distilled water	1 Liter
Final ph at 25°C 7.4 ± 0.2	



### CARY BLAIR

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria especially fecal and rectal samples.

CARY BLAIR GEL	
Disodium Phosphate	1.10g
Sodium Thioglycollate	1.50g
Sodium Chloride	5.00g
Calcium Chloride	0.09g
Agar	5.00g
Distilled Water	1 Liter
Final ph at 25°C 8.4 ± 0.2	



### AMIES

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria possibly existing in the wound, nose, throat, nasopharyngeal, vagina or urogenital and skin specimens, especially suited for specimens containing Neisseria Gonorrhoeae.

### AMIES WITH CHARCOAL

Recommended for aerobic, facultative anaerobic, fastidious aerobic and anaerobic bacteria possibly existing in the wound, nose, throat, nasopharyngeal, vagina or urogenital and skin specimens, especially suited for specimens containing Neisseria Gonorrhoeae.

An improved amies medium containing charcoal, the charcoal on the media neutralizes inhibitors and bacterial toxins, and prolong the viability of pathogenic organisms.



AMIES GEL	
Sodium Chloride	3.00g
Potassium Chloride	0.20g
Calcium Chloride	0.10g
Magnesium Chloride	0.10g
Monopotassium Phosphate	0.20g
Disodium Phosphate	1.15g
Sodium Thioglycollate	1.00g
Agar	4.00g
Distilled Water	1 Liter
Final ph at 25°C 7.3 ± 0.2	

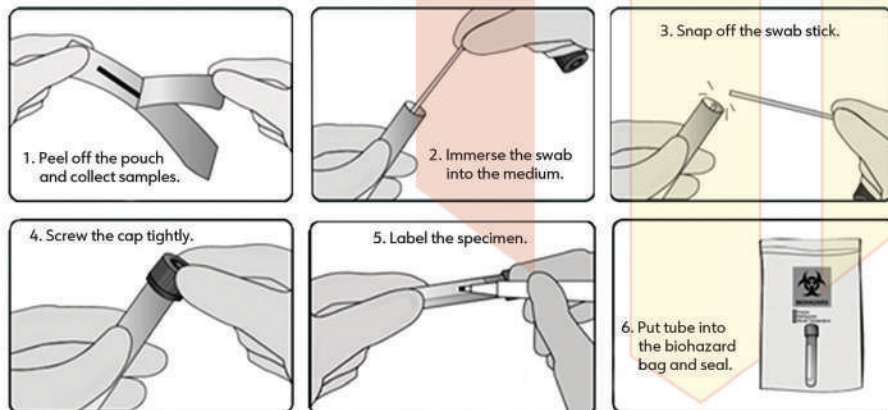
Note: Additional 10.00g Charcoal for Amies with Charcoal



# Virus Collection and Transport Kits

- The complete solution designed for the collection, preservation, and transportation of viral specimens
- Ready to use and easy to tear package, effectively avoiding cross contamination
- Supplied with biohazard specimen bags to ensure safe transport of samples

## 6 EASY STEPS:



## Ordering Information

Kit Components	Quantity
Nasopharyngeal Swab, Sterile (Flocked)	1 piece
Oral Swab, Sterile (Viscose)	1 piece
10ml tube with 3ml VTM Medium <i>Hank's Balanced Salt Solution, Bovine Serum Albumin, Gelatin Glucose HEPES Buffer, Penicillin-Streptomycin, Amphotericin B, Phenol Red</i>	1 piece
Biohazard Bag	1 piece

 **TruLaboratories**  
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## SEROLOGY KITS



### ASO LATEX TEST (NON SAMPLE DILUTION)

Together with serological tests, the ASO Latex provides a complete test profile and aids current and prompt diagnosis. The ASO Latex test works by agglutination of latex particles coated with purified Streptolysin-O. The test is standardized against the World Health Organization International Standard to have a sensitivity of 200 IU/ml and produces a result in just 2 minutes. This type of test can also be the only way of diagnosing the sequelae of streptococcal infections such as rheumatic or scarlet fever and glomerulonephritis. The kit is provided with ASO test latex, positive and negative controls, pipette stirrers and an agglutination slide.

### CRP LATEX TEST (NON DILUTION SAMPLE)

The Plasmatec CRP Latex Test kit is for the rapid qualitative and semi-quantitative estimation of C-Reactive Protein (CRP) in human serum samples. No sample dilution is required. The latex reagent will agglutinate in the presence of clinically significant levels of CRP in the serum sample whilst with normal levels, the latex remains in smooth suspension. The test has been formulated to minimize the possibility of misleading results from "prozone" effects and to virtually eliminate cross reactivity with Rheumatoid Factor. CRP Latex is positive with levels of CRP between 6 and 1000mg/l. The CRP latex test kit is provided with CRP test latex, positive and negative controls, pipette stirrers and an agglutination slide.

### RA LATEX TEST (NON DILUTION SAMPLE)

The Plasmatec RA Latex test kit is for the rapid qualitative and semi-quantitative determination of Rheumatoid Factor in human serum samples. No sample dilution is required. Latex particles, coated with human gamma globulins, agglutinate in the presence of Rheumatoid Factor in serum. Excellent sensitivity (a detection limit of 8 IU/ml) is coupled to the rapid nature of the latex test, with results in just 2 minutes. The RA latex test kit is provided with RA test latex, positive and negative controls, pipette stirrers and an agglutination slide.



### RAPID PLASMA REAGIN TEST (RPR)

The Plasmatec RPR test is a complete test system for the detection of syphilis which utilizes plasma, unheated or heated serum. The test antigen is a modified form of VDRL antigen containing microparticulate carbon. A reactive result is indicated by agglutination which is readily visible without the aid of a microscope. The kit is provided complete with positive and negative controls, sample droppers/stirrers, disposable agglutination slides and a convenient RPR antigen dispenser.

### S-LE LATEX TEST

Systemic Lupus Erythematosus (sLE) is defined as a prototypic auto immune system disease. The antibodies associated with sLE are those directed against deoxyribonucleoprotein (DNP). These antibodies are believed to cause the formation of the LE cell, occurring in 60-80% of patients diagnosed as having sLE. The Plasmatec sLE kit is for the qualitative and semi-quantitative determination of anti-deoxyribonucleoprotein (DNP) antibodies associated with systemic lupus erythematosus (sLE) in human serum.

### SALMONELLA FEBRILE ANTIGEN KIT

The salmonella antigens are stained to give clear readability without affecting sensitivity or antigenicity, the O (somatic) antigens are stained blue whilst the H (flagellar) antigens are stained red. The salmonella suspensions, used to investigate enteric infections and pyrexia, are suitable for rapid slide and standard widal tests.

Proteus, OX2, OX19 and OXK stained suspensions are used in the detection of Rickettsia antibodies as these species appear to share a polysaccharide with certain Rickettsia species and therefore produce agglutinins identical to them.

### TREPONEMA PALLIDUM HAEMAGGLUTINATION ASSAY (TPHA)

The Plasmatec TPHA reagents are used to detect human serum antibodies to T.pallidum by means of an indirect haemagglutination (IHA) method. Preserved avian erythrocytes are coated with antigenic components of pathogenic T.pallidum (Nichol's strain). These test cells agglutinate in the presence of specific antibodies to T.Pallidum and show characteristic patterns in microtitration plates. Any non-specific reactions occurring are detected using the control cells which are avian erythrocytes not coated with T.pallidum antigens. Non-specific reactions may also be absorbed out using these control cells.

### ANTI-HUMAN GLOBULIN (AHG)

Anti-Human Globulin Anti-IgG, -C3d; Polyspecific is used for the direct antiglobulin test to demonstrate the in-vivo coating of red blood cells with antibody molecules and/or complement components (such as auto antibodies, maternal antibodies in hemolytic disease of the new born, alloantibodies against red blood cells in transfusion reactions).

#### PRINCIPLE OF THE TEST

The test principle is a hemagglutination test. Anti-Human Globulin Anti-IgG, -C3d; polyspecific acts as a link between the antibody and/or complement coating of neighbouring red blood cells and induces agglutination. Uncoated red blood cells will not agglutinate.

#### REAGENT:

Anti-Human Globulin Anti-IgG, -C3d; Polyspecific is a blend of rabbit anti-IgG and murine monoclonal anti-complement (murine IgM Anti C3d, BRIC-8). The anti-IgG component contains antibody reactivity against light IgG chains and thus may also agglutinate IgA or IgM coated red blood cells. The anti-complement component consists of murine monoclonal IgM anti-C3d-antibody reactive with C3b- and C3d coated red blood cells. Antibodies are diluted in a isotonic saline solution containing bovine albumin and as colorant Patent Blue and Tartrazine.

### SEROLOGICAL ALBUMIN (BSA) 22%

In vitro diagnostic enhancement media for professional use. 2% Bovine Serum Albumin is prepared from a mixture of bovine serum albumin and buffered saline. Free from stabilisers and non-specific agglutinins. Caprylate free.

#### PRINCIPLE OF THE TEST

Possible harm or irritation may occur through exposure to these products by inhalation or ingestion or by contact with the eyes, skin or mucous membranes. Some product components are materials of biological origin. Since no test or production method can guarantee that such materials will not transmit infection, due care should be exercised in their handling. Sodium azide is used as a preservative. This material is toxic, may form explosive compounds with plumbing metals (lead and copper).

#### REAGENT:

Anti-Human Globulin Anti-IgG, -C3d; Polyspecific is a blend of rabbit anti-IgG and murine monoclonal anti-complement (murine IgM Anti C3d, BRIC-8). The anti-IgG component contains antibody reactivity against light IgG chains and thus may also agglutinate IgG or IgM coated red blood cells. The anti-complement component consists of murine monoclonal IgM anti-C3d-antibody reactive with C3b- and C3d coated red blood cells. Antibodies are diluted in an isotonic saline solution containing bovine albumin and as colorant Patent Blue & Tartrazin.

### LOW IONIC STRENGTH SOLUTION (LISS)

Low Ionic Strength Solution is used as a potentiator between antibodies and Red Blood Cells (RBC). The reduced quantity of NaCl in LISS allows more efficient agglutination between the antibodies and RBCs.

**TRUSERA**  
BLOOD GROUPING REAGENTS  
ANTI A AND ANTI B MONOCLONAL

ABO grouping is determined by testing unknown red cells against known Anti-A and Anti B antibodies. The presence or absence of agglutination of the red cells indicates the presence or absence of the corresponding antigen.

Blood grouping reagents made with monoclonal antibodies have the added advantage of constant identity and absolute reproducibility of their specificity.

#### REAGENT COMPOSITION:

ANTI A - Cell line 9113D10. Phosphate buffer. Sodium azide <0.1%. Blue color. Dye used: Patent Blue

ANTI B - Cell line 9621A8. Phosphate buffer. Sodium azide <0.1%. Yellow color. Dye used: Tartrazine.

#### PRECAUTIONS:

Components of different human origin have been tested and found to be negative for the presence of HIV 1+2 and HCV, antibodies as well as for HBsAg. However, the controls should be handled cautiously as potentially infectious. Protective clothing should be worn when handling the reagent, such as disposable gloves.

#### INTENDED USE:

These reagents are designed to determine the presence of the blood Rhesus Antigen D on the surface of human red blood cells by manual method.

#### PRINCIPLE OF THE TEST

The manual technique employed in a tube, utilizes the principle of hemagglutination. Test red blood cells bearing an antigen agglutinate in the presence of the reagent containing the corresponding antibody:

- Either in the direct hemagglutination method, when they come into contact with the reagent containing the antibody (Type: IgM)
- Or in the indirect hemagglutination method: antiglobulin test in the event of use of an IgG antibody

#### PRECAUTIONS:

Components of different human origin have been tested and found to be negative for the presence of HIV 1+2 and HCV, as well as for HBsAg. However, the controls should be handled cautiously as potentially infectious. Protective clothing should be worn when handling the reagent, such as disposable gloves.

## ANTI-D IgG/IgM BLEND

### INTENDED USE:

These reagents are designed to determine the presence of the blood Rhesus Antigen D on the surface of human red blood cells by manual method.

### PRINCIPLE OF THE TEST

The manual technique employed in a tube, utilizes the principle of hemagglutination. Test red blood cells bearing an antigen agglutinate in the presence of the reagent containing the corresponding antibody:

- Either in the direct hemagglutination method, when they come into contact with the reagent containing the antibody (Type: IgM).
- Or in the indirect hemagglutination method: antiglobulin test in the event of use of an IgG antibody.

### PRECAUTIONS:

Components of different human origin have been tested and found to be negative for the presence of HIV 1+2 and HCV, as well as for HBsAg. However, the controls should be handled cautiously as potentially infectious. Protective clothing should be worn when handling the reagent, such as disposable gloves.

## BLOOD GROUPING PLATES

This plate can be used to check the recorded A,B,O, and Rhesus blood type of potential transfusion recipients in the field and at the bedside. Trehalose-based reagents may be important for bedside testing and in developing countries where refrigeration is unreliable. Made of ultra clear polystyrene. Features 12 numbered wells. Stackable. Dimensions: 173 x 5mm.



## ANALYTICAL GRADE REAGENTS

### BUFFERED FORMALIN

A ready to use 10% solution of buffered formalin. It is the most commonly used general purpose routine fixative for tissue specimens. This solution is hypotonic in buffer ions has a pH of 6.8 and tends to reduce the formation of formalin pigment.

Available Volume: 2.5 liters per bottle and 90ml leak proof specimen



TOXIC HARMFUL

### METHANOL

Methanol, also known as Methyl Alcohol, is a chemical with the formula CH<sub>3</sub>OH. It is a light, volatile, colorless, flammable liquid with a distinctive odor similar to ethanol.

Available Volume: 2.5 liters per bottle



FLAMMABLE TOXIC SYSTEMATIC HAZARDS

### FORMALDEHYDE 37% ACS

Formaldehyde is a colorless, flammable, strong-smelling chemical that is used in histopathology labs.

Available Volume: 2.5 liters per bottle



FLAMMABLE CORROSIVE SYSTEMATIC HAZARDS

### DECAL II (RAPID)

Decal II is a rapid acid based decalcification solution that is ideal for larger bone specimens or specimens requiring rapid diagnosis. The Sodium Chloride protects the nuclei to ensure excellent H & E Staining.

When using a HCL Rapid-Decal over decalcification may result in the loss of nuclear chromatin.

Available Volume: 2.5 liters per bottle



CORROSIVE

### XYLENE 98-99% (MIXTURE OF ISOMERS)

Not to be used for ineligible purposes. This oil has not borne excise duty and may not be used as heating fuel, motor fuel and either as additive or extender to motor fuel.

Xylene is any of the three isomers of dimethylbenzene, or a combination of the three. It is colourless, sweet smelling, flammable liquid, often used as a laboratory solvent.

Available Volume: 2.5 liters per bottle



FLAMMABLE HARMFUL SYSTEMATIC HAZARDS



## DRUG TESTING ANTI CHEAT BLUING TABLET 7875

A fast, portable bluing application to prevent employee drug testing adulteration to urine. Packaged in a twist cap bottle with 100 tablets per bottle.



## OPTICAL LENS CLEANER

Excellent for removing oil and smudges from objectives or any optical surface.



## AGGLUTINATION VIEWER

Illuminates and provides a magnified view of the under surface of test tube contents. Used in blood typing, cross matching, prothrombin time, Kahn and other agglutinations, floculations and serodiagnostic tests.



Includes: Bulb, Magnifying Glass, Power pack, side mounted ON/OFF switch and flexible neck

Wattage: 50 Watts

Hertz: 50/60 Hz

Voltage: 220V

- Illuminates test tube contents through the use of a 5-watt bulb from above and a magnifying glass mirror from below.
- Can be used in biology safety cabinets and clean bench space
- Easy to use side-mounted ON/OFF Switch
- Flexible neck allow to easy manipulation of light source
- Input: 220V 50/60 Hz
- Output: 12 VAC 500mA

### CAUTION!

Do not touch bulb with bare hands, as this may cause damage and reduce bulb life. Ensure that bulb is inserted straight and completely into socket. Only touch bulb with a clean dry cloth. Replace bulb only with an approved bulb. When replacing, be sure to seat the bulb fully in the socket. Clean the mirror with a lint-free non abrasive cloth. Do not immerse while cleaning. Clean surface with 10% household bleach.

1. Unplug power cord and let unit cool for 5 minutes before touching the bulb.
2. Before replacing bulb, make sure lamp is cool. Grasp lamp shade and remove by twisting off the lamp assembly. Remove reflector around bulb by turning counter clockwise. Remove bulb by pulling straight out of the socket while grasping goose neck.
3. Replace the bulb by grasping goose neck and inserting new bulb straight and completely into socket. See cautions above.
4. Replace reflector by inserting over bulb and screwing clockwise until hand tight. Replace shade by placing over reflector and twisting over both O-rings until it is fully seated.

## PLASMA EXTRACTOR

Plasma Extractor is designed to extract blood component from centrifuged blood bags. It is widely used in hospital and blood stations. After the plasma of blood bags is layered, the pressure of plasma-separating clip enables different components of blood to be extruded from top to bottom.

### Features:

1. Easy to use, manual system
2. Transparent plate for visible control of red cells and plasma

### FEATURES

Type	Extraction Equipment
Object	Blood Bag Tube
Separation Mode	Pushing Plasma Bag
Operating Type	Continuous Type
Separate	Plasma
Applicable Blood Bag	100ml, 200ml, 300ml, 400ml



## N-800M ADVANCED CLINICAL MICROSCOPE

- The excellent Kohler Illumination system provides a high optical quality and perfect imagery.
- It has a coaxial coarse and fine focus system with tension adjustment and focus safety stop.
- The mechanical stage has a simple release mechanism that may be released easily by a circular polarizing stage and has low position coaxial position controls.

SPECIFICATION	
Optical System	Infinite Optical System
Viewing Head	Seidentopf Trinocular Head Inclined at 30°, Interpupillary 48-75mm
Eyepiece	Extra Wide Field Eyepiece EW10×/ 22
Nosepiece	Backward Quintuple Nosepiece
Objective	Infinite Plan Achromatic Objective 4x, 10x, 40x, 100x
Condenser	Swing Condenser N.A.0.9/0.25
Focusing System	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm
Stage	Double Layers Mechanical Stage 185X142mm, Moving Range 75X55mm
Kohler Illumination	External Illumination, Aspherical Collector, Halogen Lamp 6V/30W



## XSZ-107T SERIES EDUCATIONAL MICROSCOPE

- It is an ideal instrument in biological, histological, pathological field and can be widely used in academic demonstration and research.

SPECIFICATION	
Viewing Head	Sliding binocular Head
Eyepiece	WF10X
Nosepiece	Quadruple Nosepiece
Objective	Achromatic Objective 4X,10X,40X,100X
Stage	Double Layers Mechanical Stage 140X140mm/ 75X50mm
Condenser	Abbe NA1.20 with Iris Diaphragm and Filter
Focusing System	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm
Illumination	S-LED Illumination, Brightness Adjustable, Plan-concave Mirror



## N-180M LABORATORY MICROSCOPE

- It is an ideal instrument for biology, bacteriology, immunology, pharmacology field and so on.
- Convenient and Comfortable Observing with High Point and Wide Field Eyepiece EW10×/ 20.
- Sharp and Bright Image with Semi-plan Objectives
- Replacement of bulbs become easier and more secure, just take away the Collector without overturning the microscope.
- Convenient Handling with Special Design Low Position Coarse and Fine Adjustment suitable for Different Region
- Power Supply with 100-240V Multi-input rating

SPECIFICATION	
Viewing Head	Compensation Free Binocular Head, Inclined at 30°, 360° Rotatable
Eyepiece	Wide Field Eyepiece EW10x / 20
Objective	Semi-plan Achromatic Objective 4x, 10x, 40x, 100x
Nosepiece	Backward Quadruple Nosepiece
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm
Condenser	NA 1.25 Abbe Condenser with Iris Diaphragm and Filter
Illumination	S-LED Illumination, Brightness Adjustable
Filter	Green Filter





 **SD BIOSENSOR**



# STANDARD Q Covid-19 Ag

STANDARD Q COVID-19 Ag Test is a test device that can quickly and easily diagnose SARS-CoV-2 structural antigen at the Point-of-Care.

### Advantages:

- Efficient: It requires minimal training and no need for any equipment during testing.
- Dependable: It can provide clear result within 15 minutes, with built-in procedural controls.
- Point-of-Care: It can provide rapid results for use at the COVID-19 screening center

### Specimen Type:

- Nasopharyngeal Swab



## Performance Characteristics

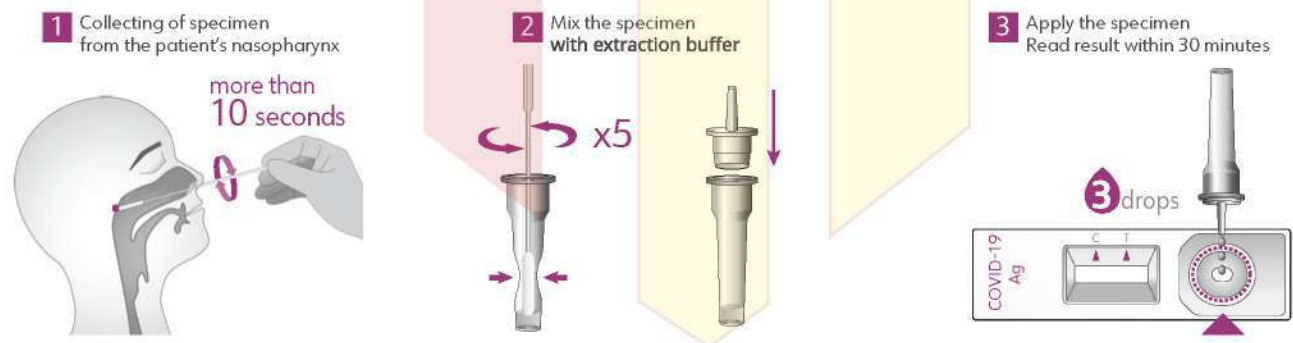
### Clinical Evaluation

The sensitivity of the STANDARD Q COVID-19 Ag Test for rapid detection of SARS-CoV-2 antigen was established in prospective, single institute, randomized, single-blinded studies conducted at a trial site each in Brazil and India during the 2020 SARS-CoV-2 pandemic. A total of 115 positive specimens were tested using the STANDARD Q COVID-19 Ag Test. These specimens consisted of nasopharyngeal swabs from symptomatic patients. The specificity of STANDARD Q COVID-19 Ag Test was tested using 311 negative samples. The sensitivity and specificity of the STANDARD Q COVID-19 Ag Test was compared to a commercialized molecular assay.

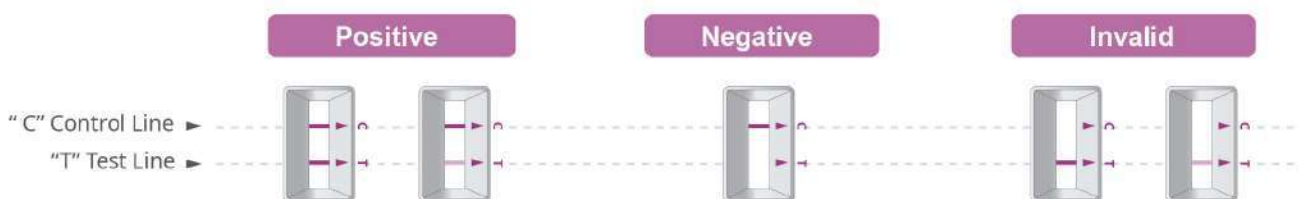
Summary of the sensitivity and specificity of the STANDARD Q COVID-19 Ag Test compared to PCR.

		RT-PCR		Total
		Positive	Negative	
STANDARD Q COVID-19 Ag Test	Positive	111	1	112
	Negative	4	310	314
	Total	115	311	426
<b>Sensitivity</b>		<b>96.52% (111/115, 95% CI, 91.33% - 99.04%)</b>		
<b>Specificity</b>		<b>99.68% (310/311, 95% CI, 98.22% - 99.99%)</b>		

### Test Procedure



### Interpretation of Test Results



## STANDARD Q

# Covid-19 Ag (Nasal) SD BIOSENSOR

STANDARD Q COVID-19 Ag Test (Nasal) is a rapid chromatographic immunoassay for the qualitative detection of specific antigens to SARS-CoV-2 present in human nasal cavity. This test detects fragments of proteins of the SARS-CoV-2 virus from a nasal swab specimen from patients. STANDARD Q COVID-19 Ag Test (Nasal) can provide more convenient test procedure for both professionals and patients.

- Test Time : Within 15 mins
- Specimen : Nasal Swab
- Storage Temperature : 2-30°C/36-86°F
- Pack Size : 25 Tests/kit
- Less pain and fast test for patients
- Easy and convenient testing process for professionals
- Effective in detecting the SARS-CoV-2 variant
- Suitable for Point of Care Testing
- No need for extra equipment



### Specimen Type:

- Nasal Swab

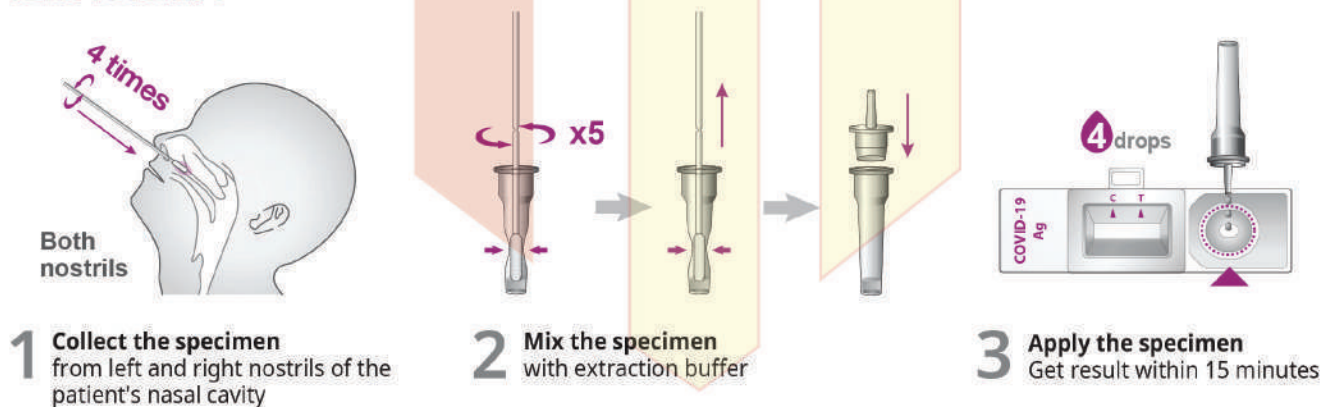
## Performance Characteristics

### STANDARD Q COVID-19 Ag Test (Nasal) result by Central Research Laboratory in India

Type of specimen	RT-PCR		
	Positive	Negative	Total
STANDARD Q COVID-19 Ag Test (Nasal)	Positive	0	101
	Negative	399	402
	Total	399	503

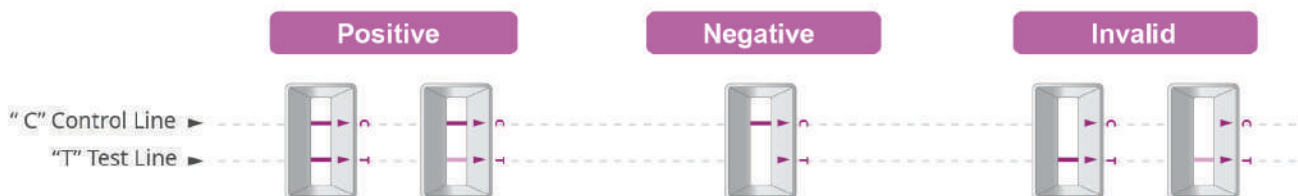
**Sensitivity: 97.12%, Specificity: 100%**

## Test Procedure



- 1 Collect the specimen**  
from left and right nostrils of the patient's nasal cavity
- 2 Mix the specimen**  
with extraction buffer
- 3 Apply the specimen**  
Get result within 15 minutes

## Interpretation of Test Results



**Positive**      **Negative**      **Invalid**

"C" Control Line      "T" Test Line

**STANDARD Q**

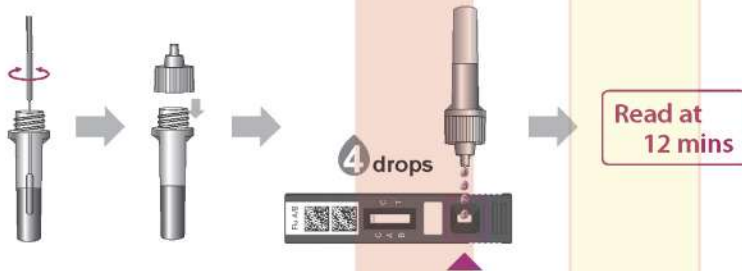
# Influenza A/B SD BIOSENSOR

STANDARD Q Influenza A/B test is an immunoassay that can identify the presence of Influenza A and B viral nucleoprotein antigen in respiratory specimens, and displays the result in a qualitative way. STANDARD Q Influenza A/B Test helps with diagnostic and treatment decisions for patients in clinical setting, such as whether to prescribe antiviral medication or not.

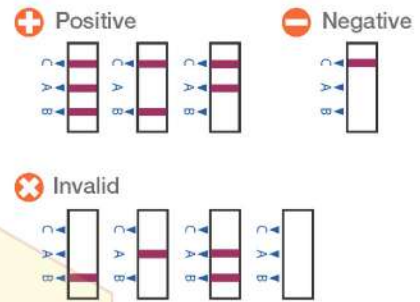


Specification	
Specimen Type	Nasopharyngeal Swab / Nasopharyngeal Wash / Aspirate
Specimen Volume	8-12 mins. (Do not read after 30 mins.)
Testing Time	200µl
Storage Conditions	2-40°C / 36-104°F

**TEST PROCEDURE**



**INTERPRETATION**



**TEST PERFORMANCE**

Reference Method	Sensitivity	Specificity
PCR	Influenza A: 91.2%(31/34) Influenza B: 91.7%(33/36)	Influenza A: 100%(212/212) Influenza B: 99.1%(210/212)

**ORDERING INFORMATION**

Category	Product	Pack Size
Respiratory Disease	STANDARD Q Influenza A/B Test	25 Test
	STANDARD Q Influenza A/B Control	Pos x 10 / Neg x 10

## STANDARD Q

# RSV Ag



STANDARD Q RSV Ag Test is a rapid chromatographic immunoassay for the qualitative detection of Respiratory Syncytial Virus RSV antigen present in nasopharyngeal secretion from patients with symptoms of a viral respiratory infection. This test is for in vitro professional diagnostic use and intended as an aid to early diagnosis of RSV infection. It provides only an initial screening test result. Specific alternative diagnosis method should be performed in order to obtain the confirmation of RSV infection.

### GENERAL INFORMATION:

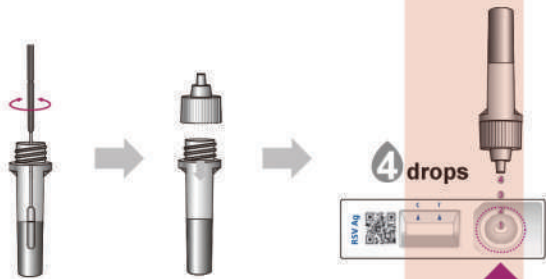
- Fast result in 15 minutes
- Easy handling which does not require specific training
- Suitable for Point Of Care Testing
- No follow-ups or equipment required
- External quality controls provided



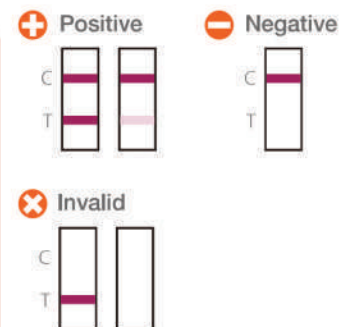
### Specification

Test Time	15mins (Do not read after 30 minutes)
Specimen Type	Nasopharyngeal Swab / Nasopharyngeal Wash/Aspirate
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



### INTERPRETATION



### TEST PERFORMANCE

Reference	Sensitivity	Specificity
PCR	87.5% (28/32)	98.09% (103/105)

### ORDERING INFORMATION

Category	Product	Pack Size
Respiratory Disease	STANDARD Q RSV Ag Test	25 Tests
	STANDARD Q RSV Ag Control	Pos x 10 / Neg x 10

**STANDARD Q**

# Strep A Ag

**SD BIOSENSOR**

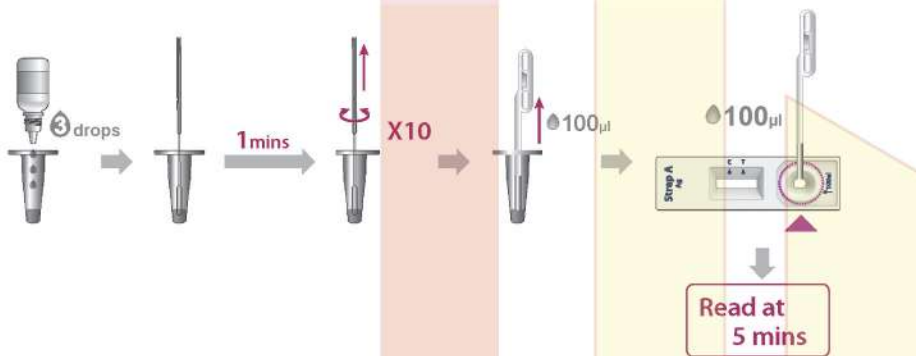
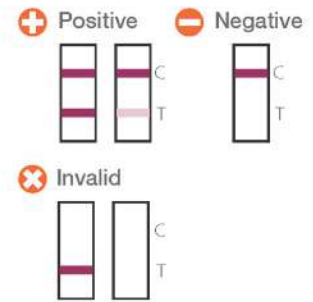
STANDARD Q Strep A Ag is used for qualitative analysis by detecting Group A streptococcal antigens using immunochromatography. With a simple test method, presence/absence of infection can be detected, and with its high sensitivity and specificity, the screening test result can be obtained within 5 minutes.

**GENERAL INFORMATION:**

- Detection of Group A Streptococcal antigens
- Easy to use, easy to read and interpret
- Room temperature storage

**CE****Specification**

Specimen Type	Throat Swab
Testing Time	5 mins (Do not read after 15 minutes )
Specimen Volume	200µl
Storage Conditions	2-40°C / 36-104°F

**TEST PROCEDURE****INTERPRETATION****TEST PERFORMANCE**

Reference	Sensitivity	Specificity
Fluorescent Immunoassay	98.2% (56/57)	99.26% (135/130)

**ORDERING INFORMATION**

Category	Product	Pack Size
Respiratory Disease	STANDARD Q Strep A Ag Test	25 Tests
	STANDARD Q Strep A Ag Control	Pos x 10 / Neg x 10



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## STANDARD Q

# Legionella Ag

STANDARD Q Legionella Ag performs qualitative analysis by detecting Legionella pneumophila antigens in urine samples using immunochromatography. With a simple test method, Legionnaires' disease can be detected and with its high sensitivity and specificity, the screening test result can be obtained within 15 minutes.

### GENERAL INFORMATION:

- Detection of Legionella pneumophila serogroup 1 antigen
- Objective result: test result can be read and interpreted by STANDARD F Analyzers



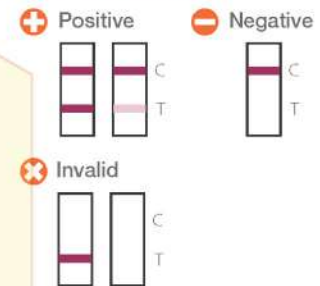
CE

Specifications	
Specimen	Urine
Test Time	15 minutes (Do not read after 30 minutes)
Specimen Volume	100µl
Sensitivity	97.6% (41/42)
Specificity	100% (165/165)
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



### INTERPRETATION



### PERFORMANCE CHARACTERISTIC

Reference Method	Sensitivity	Specificity
Direct Fluorescent-Antibody testing (DFA)	98.2% (56/57)	99.26% (135/136)

### ORDERING INFORMATION

Category	Product	Pack Size
Respiratory Disease	STANDARD Q Legionella Ag Test (Q Type)	25 Tests
	STANDARD Q Legionella Ag Control (QF Type)	Pos x 10 / Neg x 10



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## STANDARD Q

# S.pneumoniae



Streptococcus pneumoniae is one of the most common causes of Community-Acquired Pneumonia (CAP). It can cause meningitis or sepsis, so rapid identification of causative bacteria is important. STANDARD Q S.pneumoniae Ag test is an immunochromatographic assay for the detection of Streptococcus pneumoniae antigen in urine. The easy test method can determine pneumococcal pneumonia.

### GENERAL INFORMATION:

- Detection of S.pneumoniae CPS antigens
- Objective result: Test result can be read and interpreted STANDARD F Analyzers



### Specification

Specimen Type	Urine
Testing Time	15mins (Do not read after 30 minutes)
Specimen Volume	100µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



100µl



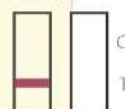
Read at 15 mins

### INTERPRETATION

+ Positive      - Negative



✗ Invalid



### TEST PERFORMANCE

#### Reference

PCR

#### Sensitivity

91.7% (11/12)

#### Specificity

97.0% (96/99)

### ORDERING INFORMATION

#### Category

Respiratory Disease

#### Product

STANDARD Q S.pneumoniae Ag

STANDARD Q S.pneumoniae Ag Control

#### Pack Size

25 Test

Pos x 10 / Neg x 10



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## STANDARD Q

# TB MPT64 Ag SD BIOSENSOR

STANDARD Q TB MPT64 Ag is a qualitative analysis by detecting Mycobacterium tuberculosis (TB) MPT64 antigen in solid culture or liquid culture samples using immunochromatography. With a simple test method, the screening test result can be obtained within 10 minutes with its high sensitivity and specificity.

### GENERAL INFORMATION:

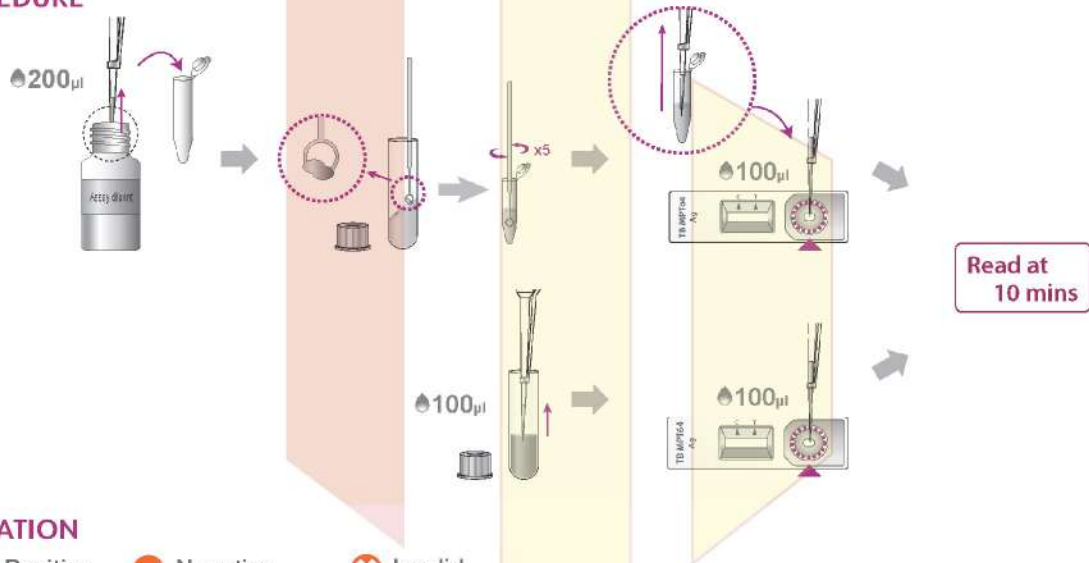
- Detection of Mycobacterium tuberculosis MPT64 antigen
- Shelf Life: 24 Months
- Limit of Detection:  $10^5$  CFU/ml



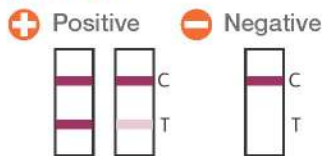
### Specifications

Specimen Type	Solid Culture, Liquid Culture
Testing Time	10 - 15mins (Inaccurate results after 15 minutes )
Specimen Volume	200µl
Sensitivity	100%
Specificity	100%
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



### INTERPRETATION



### TEST PERFORMANCE

Reference	Sensitivity	Specificity
PCR Confirmed	100%	100%

### ORDERING INFORMATION

Category	Product	Pack Size
Respiratory	STANDARD Q TB MPT64 Ag	25 Tests / kit



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## STANDARD Q

# Dengue Duo SD BIOSENSOR

STANDARD Q Dengue Duo is an immunochromatographic assay for the detection of Dengue NS1 antigens and IgM/IgG antibodies against Dengue virus in human serum, plasma, or whole blood samples. This test kit is for in vitro use only. Intended for professional use, for an initial screening test.

### GENERAL INFORMATION:

- Detects Dengue Ag and Ab simultaneously at once
- Easy to use, easy to read and interpret
- Room temperature storage



Specification	Dengue NS1 Ag	Dengue IgM/IgG Ag
Specimen Type	Serum/Plasma/Whole Blood	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)	15 mins. (Do not read after 20 mins.)
Specimen Volume	100µl	10µl
Storage Conditions	2-40°C / 36-104°F	2-40°C / 36-104°F

### TEST PROCEDURE

NS1 Ag



Read at 15 mins

IgM/IgG



Read at 15 mins

### INTERPRETATION

NS1 Ag

Negative



Positive



Invalid



IgM/IgG

Negative



Positive



Invalid



### TEST PERFORMANCE

Description	Reference	Sensitivity	Specificity
Dengue NS1 Ag	RT-PCR	92.9% (184/198)	98.7% (222/225)
Dengue IgM	ELISA	97.5% (77/79)	96.6% (346/358)
Dengue IgG	ELISA	97.2% (140/144)	96.2% (282/293)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Dengue Duo Test	10 Tests

## STANDARD Q

# Dengue NS1 Ag SD BIOSENSOR

STANDARD Q Dengue NS1 Ag Test is an immunochromatographic assay for the detection of Dengue NS1 antigen in human serum, plasma or whole blood samples. This test kit is for in vitro use only. Intended for professional use, as an initial screening test.

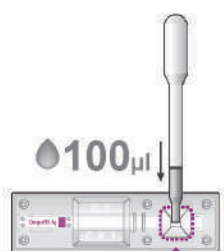
### GENERAL INFORMATION:

- Detects NS1 antigens
- Easy to use, easy to read and interpret
- Room temperature storage



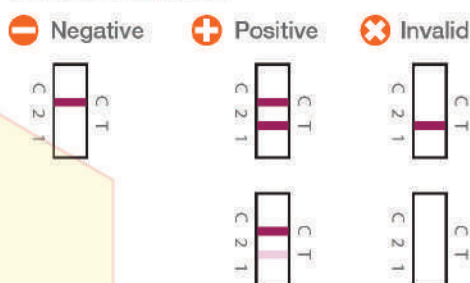
Specification	
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	100µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



Read at  
15 mins

### INTERPRETATION



### TEST PERFORMANCE

Reference	Sensitivity	Specificity
RT-PCR	92.9% (184/198)	98.7% (222/225)

### ORDERING INFORMATION

Category	Product	
Vector Borne Disease	STANDARD Q NS1 Ag	25 Test



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## STANDARD Q

# Dengue IgM/IgG SD BIOSENSOR

STANDARD Q Dengue IgM/IgG Test is an immunochromatographic assay for the detection of IgM/IgG antibodies against Dengue virus in human serum, plasma or whole blood samples. this test kit is for in vitro use only. Intended for professional use as an initial screening test

### GENERAL INFORMATION:

- Detection of specific IgM and IgG to Dengue virus
- Easy to use, easy to read and interpret
- Room temperature storage

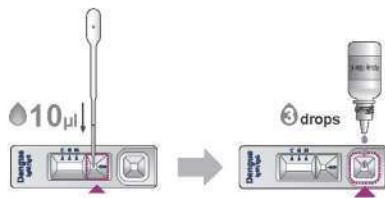


### Specification

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	10µl
Storage Conditions	2-40°C / 36-104°F

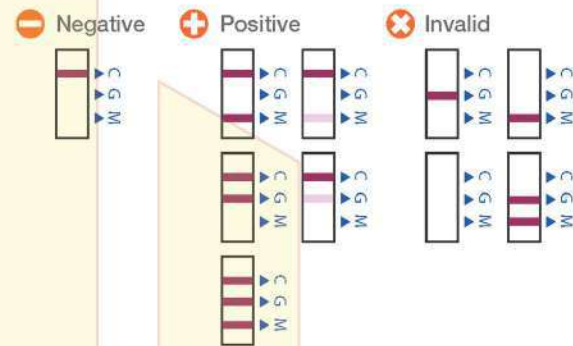
### TEST PROCEDURE

Dengue IgM/IgG



Read at 15 mins

### INTERPRETATION



### TEST PERFORMANCE

Description	Reference	Sensitivity	Specificity
Dengue IgM	ELISA	97.5% (77/79)	96.6% (346/358)
Dengue IgG	ELISA	97.2% (140/144)	96.2% (282/293)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Dengue IgM/IgG Test	25 Tests



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STANDARD Q

# Zika IgM

SD BIOSENSOR

STANDARD Zika IgM Test is a rapid chromatographic immunoassay for the detection of Zika IgM present in serum, plasma or whole blood. This test is for in vitro professional diagnostic use and intended as an aid in early diagnosis of Zika virus infection in patient with clinical symptoms. It provides only an initial screening test result.

### GENERAL INFORMATION:

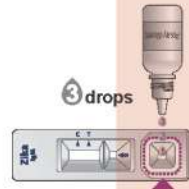
- Detection of specific IgM antibody to Zika virus
- Easy to use, easy to read and interpret
- Room temperature storage



Specification	
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	10µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE

Zika IgM



Read at 15 mins

### INTERPRETATION



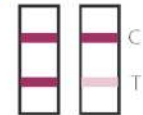
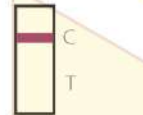
Negative



Positive



Invalid



### TEST PERFORMANCE

Reference	Sensitivity	Specificity
MAC-ELISA / PCR	98% (49/50)	100% (70/70)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Zika IgM Test	25 Tests



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## STANDARD Q

# Chikungunya IgM/IgG SD BIOSENSOR

STANDARD Q Chikungunya IgM/IgG Test is an immunochromatographic assay for the detection of IgM/IgG antibodies against Chikungunya virus in human serum, plasma or whole blood sample. This test kit is for in vitro use only. Intended for professional use, as an initial screening test.

### GENERAL INFORMATION:

- Detection of Chikungunya IgM and IgG antibodies
- Easy to use, easy to read and interpret
- Room temperature storage



### Specification

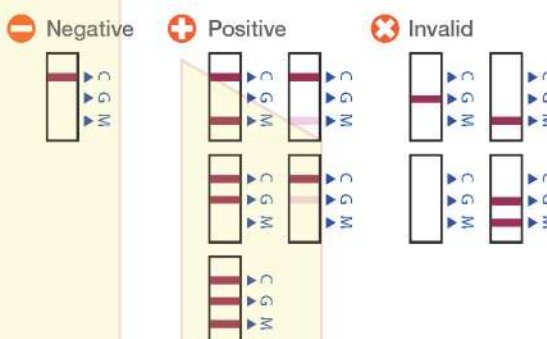
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15mins. (Do not read after 20 mins.)
Specimen Volume	10 $\mu$ l
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE

Chikungunya IgM/IgG



### INTERPRETATION



### TEST PERFORMANCE

Description	Reference	Sensitivity	Specificity
Chikungunya IgM	ELISA	100% (21/21)	97.7% (253/259)
Chikungunya IgG	ELISA	100% (21/21)	99.6% (258/259)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Chikungunya IgM/IgG Test	25 Tests



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**STANDARD Q**

# Yellow Fever IgM

**SD BIOSENSOR**

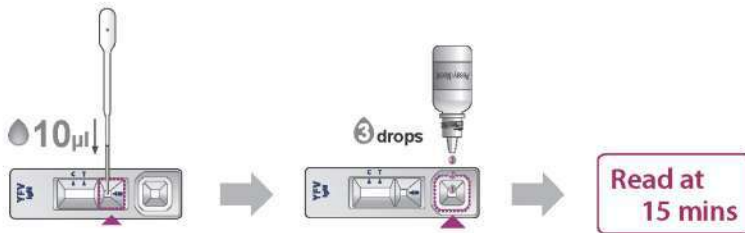
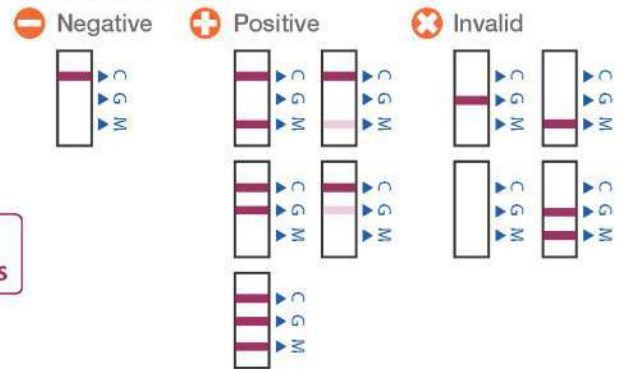
STANDARD Q Yellow Fever IgM Test is an immunochromatographic assay for the detection of IgM antibody against Yellow Fever virus in human serum, plasma, or whole blood samples. This test kit is for in vitro use only. Intended for professional use, as an initial screening test.

**GENERAL INFORMATION:**

- Differential detection of IgM antibodies
- Easy to use, easy to read and interpret
- Room temperature storage
- Able to read positive/negative infections fast and accurately with a little amount of sample (10µl)

**Specification**

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	10µl
Storage Conditions	2-40°C / 36-104°F

**TEST PROCEDURE****INTERPRETATION****TEST PERFORMANCE**

Reference	Sensitivity	Specificity
ELISA	100% (8/8)	98.3% (173/225)

**ORDERING INFORMATION**

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Yellow Fever IgM Test	10 Test

**STANDARD Q****Arbo Panel I (Z/D/C/Y)**  **SD BIOSENSOR**

STANDARD Q Arbo Panel I (Z/D/C/Y) test is an immunochromatographic assay for the detection of IgM to Zika or Dengue or Chikungunya or Yellow fever virus and Dengue NS1 antigen in human serum, plasma or whole blood. Screening test results can be obtained within 15 minutes with high sensitivity and specificity.

**GENERAL INFORMATION:**

- Detect Zika/Dengue/Chikungunya/Yellow Fever Virus IgM and Dengue NS1 Ag simultaneously at once
- Easy to use, Easy to read and interpret
- Room temperature storage

**Specifications**

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15-20 mins. (Do not read after 20 mins.)
Specimen Volume	NS1:100µl, IgM:10µl
Storage Conditions	2-40°C / 36-104°F

**ORDERING INFORMATION**

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Arbo Panel I (Z/D/C/Y)	10 Tests

**STANDARD Q****ZIKV / DENV / CHIKV Fast Quad**  **SD BIOSENSOR**

STANDARD Q ZIKV/DENV/CHIKV Fast Quad test is an immunochromatographic assay for the detection of Dengue IgM or Dengue NS1 or Zika IgM or Chikungunya IgM in human serum, plasma or whole blood. Screening test results can be obtained within 15 minutes with high sensitivity and specificity.

**GENERAL INFORMATION:**

- Detects Dengue IgM or Dengue NS1 or Zika IgM or Chikungunya IgM simultaneously at once
- Easy to use, easy to read and interpret
- Room temperature storage

**Specification**

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15-20 mins. (Do not read after 20 mins.)
Specimen Volume	NS1:100µl, IgM:10µl
Storage Conditions	2-40°C / 36-104°F

**ORDERING INFORMATION**

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q ZIKV / DENV / CHIKV Fast Quad Test	10 Test

**STANDARD Q****Dengue/Chikungunya Trio**

STANDARD Q Dengue/Chikungunya Trio test is an immunochromatographic assay for the detection of Dengue IgM/IgG or Dengue NS1 or Chikungunya IgM/ IgG in human serum, plasma or whole blood. Screening test results can be obtained within 15 minutes with high sensitivity and specificity.

**GENERAL INFORMATION:**

- Detect Dengue IgM/IgG or Dengue NS1 or Chikungunya IgM/IgG specific to Dengue and Chikungunya
- Easy to use, easy to read and interpret
- Room temperature storage

**Specifications**

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15-20 mins. (Do not read after 20 mins.)
Specimen Volume	NS1:100µl, IgM:10µl
Storage Conditions	2-40°C / 36-104°F

**ORDERING INFORMATION**

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Dengue/Chikungunya Trio Test	10 Tests

**STANDARD Q****Zika / Dengue Fast Trio**

STANDARD Q Zika / Dengue Fast Trio test is an immunochromatographic assay for the detection of IgM and IgG antibodies specific for Dengue virus and NS1 antigen as well as Zika virus specific IgM and IgG antibodies in human serum, plasma and whole blood. Screening test results can be obtained within 15 minutes with high sensitivity and specificity.

**GENERAL INFORMATION:**

- Detects Zika and Dengue simultaneously at once
- Easy to use, easy to read and interpret
- Room temperature storage

**Specifications**

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15-20 mins. (Do not read after 20 mins.)
Specimen Volume	NS1:100µl, IgM:10µl
Storage Conditions	2-40°C / 36-104°F

**ORDERING INFORMATION**

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Zika /Dengue Fast Trio Test	10 Tests

## STANDARD Q

# Malaria P.f Ag



STANDARD Q Malaria P.f Ag is a product that qualitatively analyzes Plasmodium falciparum antigens in whole blood using immunochromatography. The target antigen is Histidine-Rich Protein II (HRP-II), and the screening test result can be obtained within 15 minutes with its high sensitivity and specificity.

### GENERAL INFORMATION:

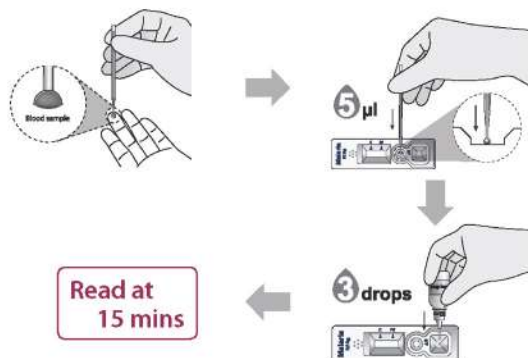
- Optimized on-site diagnosis with compact and easy use
- Room temperature storage
- Able to read positive/negative infections fast and accurately with a little blood (5µl)
- Suitable for Point of Care Testing
- No need for extra equipment



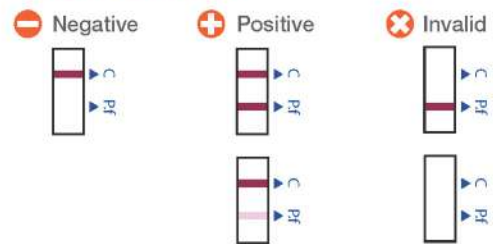
### Specifications

Specimen Type	Whole Blood
Testing Time	15 mins. (Do not read after 30 mins.)
Specimen Volume	5µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



### INTERPRETATION



### TEST PERFORMANCE

	Reference	Sensitivity	Specificity
Venous Whole Blood	Microscopy	98.4% (487/489)	100% (1104/1104)
Capillary Whole Blood	Microscopy	97.5% (322/324)	100% (256/256)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Malaria P.f Ag Test	25 Tests

## STANDARD Q

# Malaria P.f/Pan Ag SD BIOSENSOR

STANDARD Q Malaria P.f/Pan Ag is for the qualitatively analyzes Plasmodium falciparum and Plasmodium species antigens in whole blood using immunochromatography. The target antigen is Histidine-Rich Protein II (HRP-II) of Plasmodium falciparum and plasmodium lactate dehydrogenase (pLDH) of Plasmodium species, and the screening test result can be obtained within 15 minutes with its high sensitivity and specificity.

### GENERAL INFORMATION:

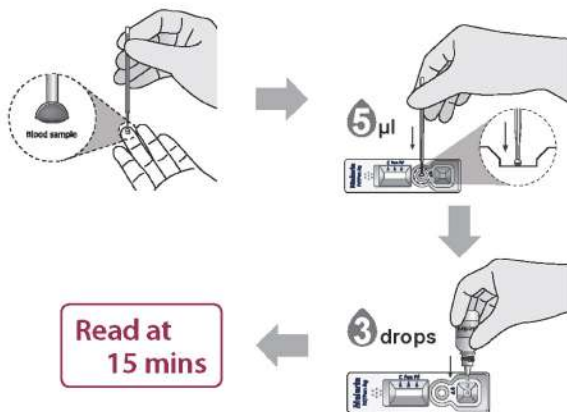
- Distinguish the infection between P.falciparum and others
- Optimized on-site diagnosis with the small diagnostic kit
- Able to read positive/negative infections fast and accurately with a little blood (5µl)
- Room temperature storage
- Suitable for Point of Care Testing
- No need for extra equipment



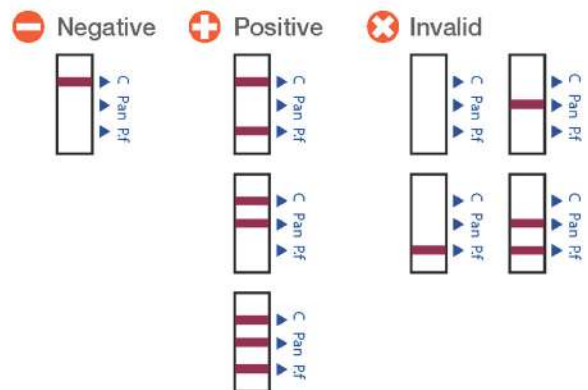
### Specifications

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	10µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



### INTERPRETATION



### TEST PERFORMANCE

	Reference		Sensitivity	Specificity
Venous Whole Blood	Microscopy	P.f	99.58% (476/478)	100% (1000/1000)
		P.v, P.m. and P.o. confirmed specimen on Pan	100% (129/129)	100% (1000/1000)
Capillary Whole Blood	Microscopy	P.f	99.68% (312/313)	100% (250/250)
		P.v, P.m. and P.o. confirmed specimen on Pan	100% (31/31)	100% (250/250)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Malaria P.f/Pan Ag Test	25 Test

## STANDARD Q

# Malaria P.f/P.v Ag SD BIOSENSOR

STANDARD Q Malaria P.f/P.v Ag is for the qualitatively analyzes Plasmodium falciparum and Plasmodium vivax antigens in whole blood using immunochromatography. The target antigen is Histidine-Rich Protein II (HRP-II) of Plasmodium falciparum and Plasmodium Lactate Dehydrogenase (pLDH) of Plasmodium vivax. Screening test result can be obtained within 15 minutes with its high sensitivity and specificity.

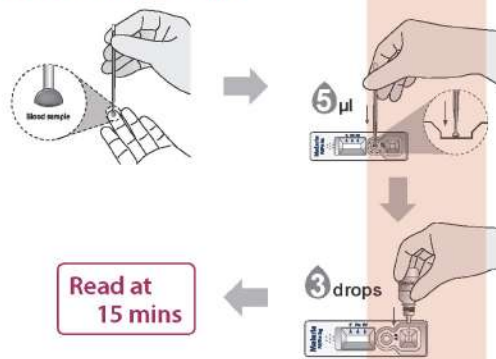
### GENERAL INFORMATION:

- Distinguish the infection between P.falciparum and P.vivax
- Optimized on-site diagnosis with compact and easy to use diagnostic kit
- Able to read positive/negative infections fast and accurately with a little blood (5µl)
- Room temperature storage

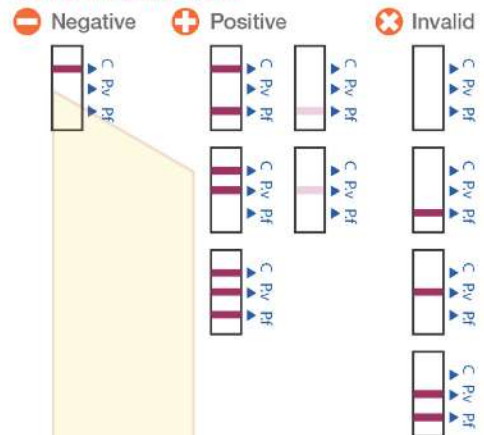


Specification	
Specimen Type	Whole Blood
Testing Time	15 mins. (Do not read after 30 mins.)
Specimen Volume	5µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



### INTERPRETATION



### TEST PERFORMANCE

	Reference	Sensitivity	Specificity
Venous Whole Blood	Microscopy	P.f 99.59% (487/489) P.v 100% (123/123)	100% (1006/1006)
Capillary Whole Blood	Microscopy	99.38% (322/324) 100% (25/25)	100% (256/256)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Malaria P.f/P.v Ag Test	25 Tests

## STANDARD Q

# Leptospira IgM/IgG

STANDARD Q Leptospira IgM/IgG is for the qualitative analyzes IgM and IgG antibodies specific to Leptospira interrogans in serum, plasma and whole blood using immunochromatography. Screening test results can be obtained within 15 minutes with high sensitivity and specificity.

### GENERAL INFORMATION:

- Differential detection of IgM and IgG antibodies
- Easy to use, easy to read and interpret
- Room temperature storage
- Able to read positive/negative infections fast and accurately with a little amount of sample (10µl)



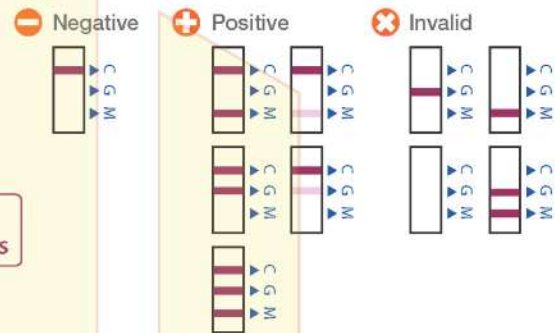
Specification	
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	10µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



Read at 15 mins

### INTERPRETATION



### TEST PERFORMANCE

Reference	Sensitivity	Specificity
ELISA	96.6% (29/30)	98.6% (143/145)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Leptospira IgM/IgG Test	25 Tests

**STANDARD Q**

# Tsutsugamushi IgM/IgG

**SD BIOSENSOR**

STANDARD Q Tsutsugamushi IgM/IgG is for the qualitatively analyzes IgM and IgG antibodies specific to Orienta tsutsugamushi in serum, plasma and whole blood using immunochromatography. Screening test results can be obtained within 15 minutes with high sensitivity and specificity.

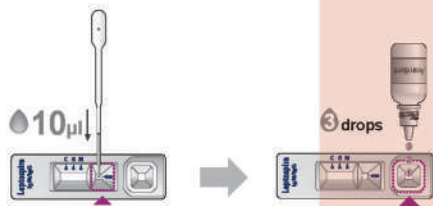
**GENERAL INFORMATION:**

- Differential detection of IgM antibodies
- Easy to use, easy to read and interpret
- Room temperature storage
- Able to read positive/negative infections fast and accurately with a little amount of sample (10µl)

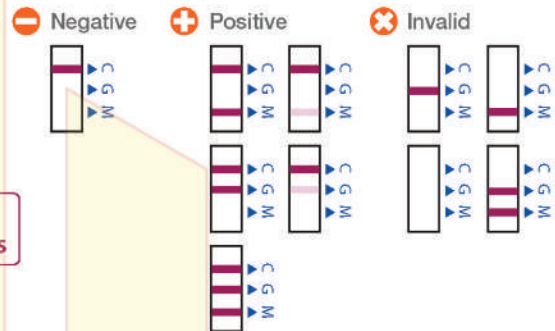


Specification	
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	10µl
Storage Temperature	2-40°C / 36-104°F

**TEST PROCEDURE**



**INTERPRETATION**



Read at 15 mins

**ORDERING INFORMATION**

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q LepstospiralgM/IgG Test	25 Test



## STANDARD Q

# Syphilis Ab

STANDARD Q Syphilis Ab test is for the qualitative analysis by detecting antibodies specific to *Treponema Pallidum* in serum, plasma and whole blood using immunochromatography. With a simple test method, syphilis infection can be detected, and with its high sensitivity and specificity, the screening test result can be obtained within 5 minutes.

### GENERAL INFORMATION:

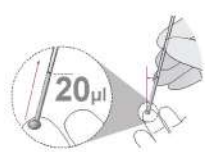
- Easy to use, easy to read and interpret
- Room temperature storage



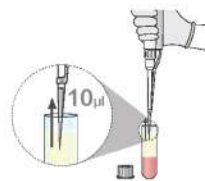
Specification	
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	5 mins. (Do not read after 20 mins.)
Specimen Volume	Whole Blood: 20µl, Serum/Plasma: 10µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE

#### Whole blood



#### Serum / Plasma



Read at 5 mins

### INTERPRETATION

⊖ Negative ⊕ Positive ⊗ Invalid



### TEST PERFORMANCE

Description	Reference	Sensitivity	Specificity
Syphilis Ab	RPR, ELISA, TPHA	100% (701/701)	100% (1,200/1,200)

### ORDERING INFORMATION

Category	Product	Pack Size
Vector Borne Disease	STANDARD Q Syphilis Ab Test	25 Tests
	STANDARD Q Syphilis Ab Test	100 Tests
	STANDARD Q Syphilis Ab Control	10 Tests

## STANDARD Q

# HIV 1/2 Ab 3-Line



STANDARD Q HIV 1/2 Ab 3-Line Test is a rapid chromatographic immunoassay for the qualitative detection of antibodies specific to HIV-1 including subtype O and HIV 2 in human serum, plasma or venous and capillary whole blood. The test is for in vitro diagnostic use and intended as an aid to diagnosis of HIV in symptomatic, asymptomatic populations and persons at risk of HIV infection.

### GENERAL INFORMATION:

- Getting a fast result in 10-20 minutes
- Easy handling which does not require specific training
- Suitable for Point Of Care Testing
- No follow-ups or equipment required
- Discrimination between HIV-1 and HIV-2 antibodies

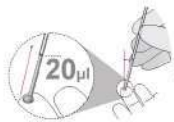


### Specification

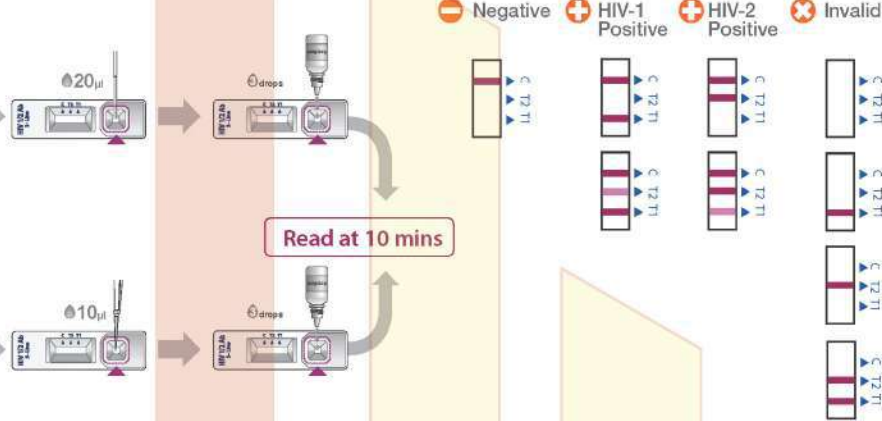
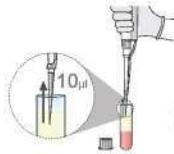
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	Whole Blood: 20µl, Serum/Plasma: 10µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE

#### Whole blood



#### Serum / Plasma



### TEST PERFORMANCE (In accordance with CTS)

#### Sensitivity [95% CI]

Total	99.8% [98.9-100%] (500/501)
HIV-1 positive	99.7% (360*/361)
HIV-1 positive(non-B subtypes**)	100% (40/40)
HIV-2 positive	100% (100/100)

#### Specificity [95% CI]

Total	100% [99.8-100%] (1,900/1,900)
EDTA plasma	100% (1,000/1,000)
Whole Blood	100% (500/500)
Hospitalized patients	100% (200/200)
Pregnant Women	100% (200/200)

\* The missed sample was collected from a patient receiving HAART very soon after seroconversion phase.

\*\* non-B subtypes: A, A1, CRF01\_AE, CRF02\_AG, CRF06\_cpx, CRF36\_cpx, D, F1, F2, G, H, J, K, Group O

### ORDERING INFORMATION

Category	Product	Pack Size
Blood Borne Disease	Multi Device / Assay Diluent	100 Test

## STANDARD Q

# HIV/Syphilis Combo



STANDARD Q HIV/Syphilis Combo performs qualitative analysis by detecting antibodies specific to HIV-1, HIV-2 and Syphilis (*Treponema pallidum*) in serum, plasma and whole blood using immunochromatography. With a simple test method, HIV and/or syphilis infection status can be discriminated, and with its high sensitivity and specificity, the screening test result can be obtained within 15 minutes.

### GENERAL INFORMATION:

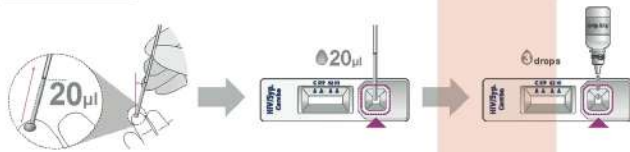
- Simultaneous detection of HIV-1/2 and Syphilis in one test
- Easy to use, easy to read and interpret
- Discrimination between HIV-1 and HIV-2 antibodies
- Room temperature storage



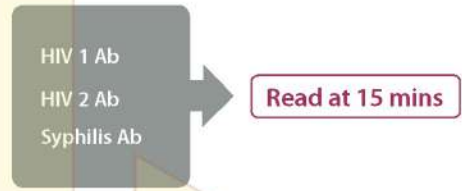
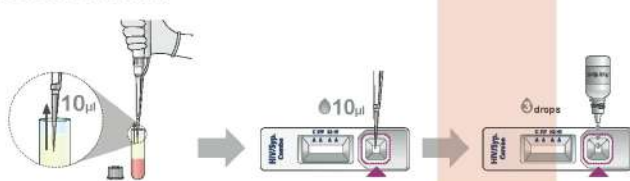
Specification	
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	Whole Blood: 20µl, Serum/Plasma: 10µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE

#### Whole blood



#### Serum / Plasma



### TEST PERFORMANCE (In accordance with CTS)

Detection of HIV Ab			
Sensitivity [95% CI]		Specificity [95% CI]	
Total	100% [99-100%] (637/637)	Total	100% [99.9-100%] (1,898/1,900)
HIV-1 positive	100% (497/497)	EDTA plasma	100% (1,000/1,000)
HIV-1 positive (non-B subtypes)	100% (40/40)	Whole Blood	99.8% (499/500)
HIV-2 positive	100% (100/100)	Hospitalized patients	99.5% (199/200)
		Pregnant Women	100% (200/200)

\* non-B subtypes: A, A1, CRF01\_AE, CRF02\_AG, CRF06\_cpx, CRF36\_cpx, D, F1, F2, G, H, J, K, Group O

### TEST PERFORMANCE (In accordance with CTS)

Detection of <i>Treponema pallidum</i> Ab			
Sensitivity [95% CI]		Specificity [95% CI]	
Total	98.8% [97.1-99.5%] (395/400)	Total	100% [99.8-100%] (1,900/1,900)
Tp & HIV positive	98.4% (246/250)	EDTA plasma	100% (1,000/1,000)
Tp positive	99.3% (149/150)	Whole Blood	100% (500/500)
		Hospitalized patients	100% (200/200)
		Pregnant Women	100% (200/200)

### ORDERING INFORMATION

Category	Product	Pack Size
Blood Borne Disease	STANDARD Q HIV/Syphilis Combo Test	25 Test

## STANDARD Q

# HAV IgM



STANDARD Q HAV IgM Test is an immunochromatographic assay for the detection of Hepatitis A virus IgM antibody in human serum, plasma or whole blood sample. This test kit is for in vitro use only. It is intended for professional use, for an initial screening test.

### GENERAL INFORMATION:

- Easy to use, easy to read and interpret
- Room temperature storage

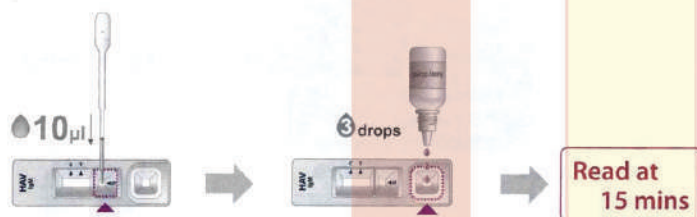


### Specifications

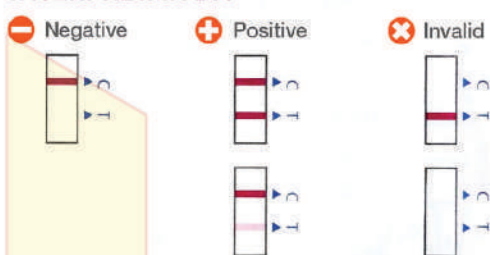
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	10µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE

HAV IgM



### INTERPRETATION



### TEST PERFORMANCE

Description	Reference	Sensitivity	Specificity
HAV IgM	CLIA	100% (26/26)	98.04% (450/459)

### ORDERING INFORMATION

Category	Product	Pack Size
Hepatitis	STANDARD Q HAV IgM Test	25 Tests



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# STANDARD Q HBsAg SD BIOSENSOR

STANDARD Q HBsAg Test is a rapid chromatographic immunoassay for the qualitative detection of Hepatitis B surface antigen (HBsAg) present in serum, plasma and whole blood specimen. This test is for in vitro professional diagnostic use and intended as an aid to early diagnosis of HBV infection in patient with clinical symptoms with HBV infection. It provides only an initial screening test result. More specific alternative diagnosis methods should be performed in order to obtain the confirmation of HBV infection.

### GENERAL INFORMATION:

- Easy to use, easy to read and interpret
- Room temperature storage



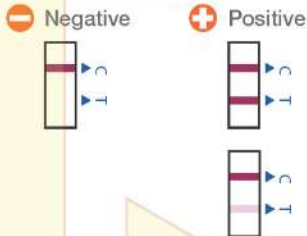
Specifications	
Specimen Type	Serum/Plasma/Whole Blood
Testing Time	20 mins. (Do not read after 30 mins.)
Specimen Volume	100µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE



Read at  
20 mins

### INTERPRETATION



### TEST PERFORMANCE

Description	Reference	Sensitivity	Specificity
HBsAg	CLIA	98% (392/400)	100% (1,100/1,100)

### ORDERING INFORMATION

Category	Product	Pack Size
Hepatitis	STANDARD Q HBsAg Test	25 Tests

# STANDARD Q

# Anti-HBs



STANDARD Q Anti-HBs Test is a rapid chromatographic immunoassay for the qualitative detection of Hepatitis B surface antibody (anti-HBs) present in serum, plasma or whole blood. This test is for in vitro professional diagnostic use and to monitor the course of disease following acute HBV infection. It provides only an initial screening test result. In addition, this test is used within the scope of hepatitis B vaccination to check the necessity and success of vaccination.

### GENERAL INFORMATION:

- Easy to use, easy to read and interpret
- Room temperature storage



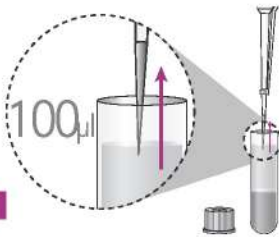
### Specification

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 30 mins.)
Specimen Volume	100µl
Storage Conditions	2-40°C / 36-104°F

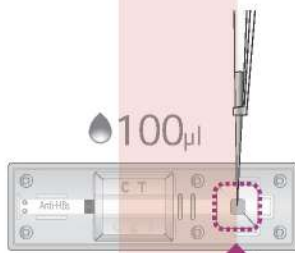
### TEST PROCEDURE

#### 1. Using a micropipette

**Collecting of Specimen**  
Collect the 100µl of serum/plasma or whole blood using a micropipette.



**Adding of Specimen**  
Add the collected specimen to the specimen well of the test device.



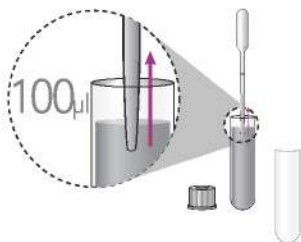
**Reading Time**  
Read the test results after 15 minutes.  
Test can be read up to 30 minutes.



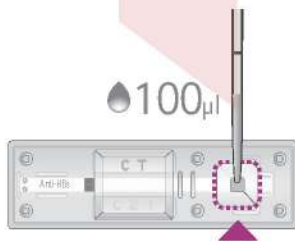
Do not read test results after 30 minutes. It may give false results.

#### 2. Using a disposable dropper

**Collecting of Specimen**  
Collect the 100µl of serum/plasma or whole blood to the black line of a disposable dropper.



**Adding of Specimen**  
Add the collected specimen to the specimen well of the test device.



**Reading Time**  
Read the test results after 15 minutes.  
Test can be read up to 30 minutes.



Do not read test results after 30 minutes. It may give false results.

### TEST PERFORMANCE

Description	Reference	Sensitivity	Specificity
Anti-HBs	CLIA	98.5% (197/200)	98.0% (294/300)

### ORDERING INFORMATION

Category	Product	Pack Size
Hepatitis	STANDARD Q Anti-HBs Test	25 Tests
	STANDARD Q Anti-HBs Test	100 Tests



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# STANDARD Q

# HCV Ab



STANDARD Q HCV Ab Test is a rapid chromatographic immunoassay for the qualitative detection of specific antibodies to HCV present in human serum, plasma or whole blood. This test is for in vitro professional diagnostic use and intended as an aid to early diagnosis of HCV infection in patients with clinical symptoms of HCV infection. It provides only an initial screening test result. STANDARD Q HCV Ab Test is intended to be used by trained healthcare or laboratory professionals or other health care workers who have received appropriate training. This product is not intended for self-testing.

### GENERAL INFORMATION:

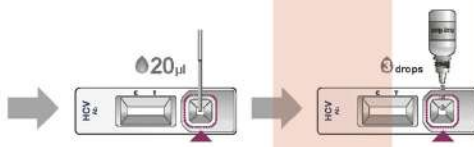
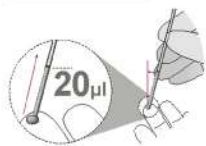
- Easy to use, easy to read and interpret
- Room temperature storage



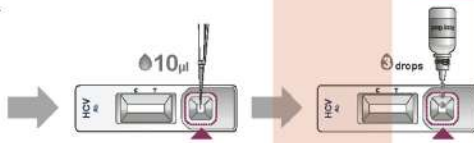
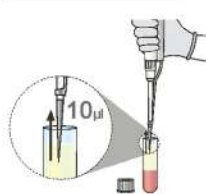
Specification	
Specimen Type	Plasma/Whole Blood
Testing Time	5 mins. (Do not read after 20 mins.)
Specimen Volume	10µl
Storage Conditions	2-40°C / 36-104°F

### TEST PROCEDURE

#### Whole blood

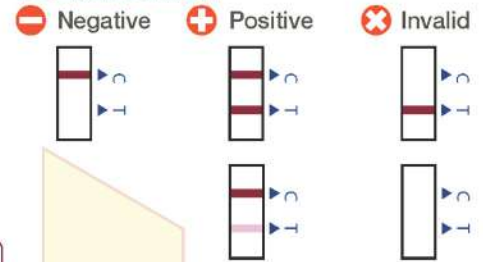


#### Serum / Plasma



Read at 5 mins

### INTERPRETATION



### TEST PERFORMANCE (In accordance with CTS)

Detection of HCV Ab			
Sensitivity [95% CI]		Specificity [99.4% CI]	
Total	100% [99.1-100%] (413/413)	Total	97.67% (1,465/1500)
HCV Positive	100% (311/311)	EDTA plasma	97.2% (972/1,000)
HCV Positive (genotypes*)	100% (102/102)	Whole Blood	99.6% (493/500)

\*HCV Genotypes: 1, 1a, 1b, 2a, 2c, 2b, 3, 3a, 3k, 4a, 4c, 4d, 4e, 4h, 5, 5a, 6, 6a

### ORDERING INFORMATION

Category	Product	Pack Size
Hepatitis	HCV Ab Test	25 Test



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**STANDARD Q****H.pylori Ab**

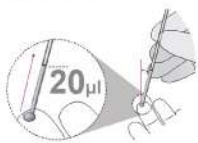
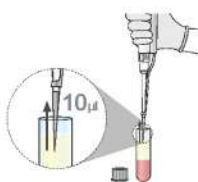
STANDARD Q H. pylori Ab performs is for the qualitative analysis by detecting antibodies specific to Helicobacter pylori in serum, plasma and whole blood using immunochromatography. With a simple test method, with its high sensitivity and specificity, the screening test result can be obtained within 10 minutes.

**GENERAL INFORMATION:**

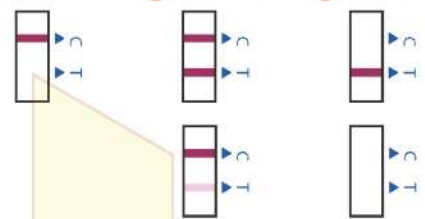
- Easy to use, easy to read and interpret
- Room temperature storage

**Specification**

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	10 mins. (Do not read after 20 mins.)
Specimen Volume	Whole Blood: 20µl, Serum/Plasma: 10µl
Storage Conditions	2-40°C / 36-104°F

**TEST PROCEDURE**Whole bloodSerum / Plasma**Read at 10 mins****INTERPRETATION**

Negative    Positive    Invalid

**ORDERING INFORMATION**

Category	Product	Pack Size
Gastrointestinal Disease	STANDARD Q H.pylori Ab Test	25 Test



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## STANDARD Q

# H.pylori Ag SD BIOSENSOR

STANDARD Q H.pylori Ag Test is an immunochromatographic assay for the detection of Helicobacter pylori antigen in the human stool sample. Users can easily and rapidly get the accurate result of the test within 10 mins.

### GENERAL INFORMATION:

- Easy to use, easy to read and interpret
- Room temperature storage



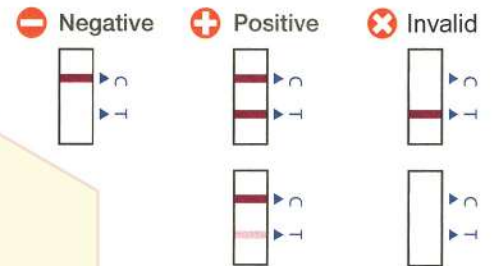
### Specification

Specimen Type	Feces
Testing Time	10 mins. (Do not read after 15 mins.)
Specimen Volume	40-70 mg
Storage Conditions	2-30°C / 36-104°F

### TEST PROCEDURE



### INTERPRETATION



### TEST PERFORMANCE

Description	Reference	Sensitivity	Specificity
H. pylori Ag	ELISA	98.5% (64/65)	100% (35/35)

### ORDERING INFORMATION

Category	Product	Pack Size
Gastrointestinal Disease	STANDARD Q H.pylori Ag Test	25 Test

**STANDARD Q****Filariasis Ag**  **SD BIOSENSOR**

Filariasis is an infectious tropical disease caused by any one of several thread-like parasitic round worms. The two species of worms most often associated with this disease are *Wuchereria bancrofti* and *Brugia malayi*. The larval form of the parasite transmits the disease to humans by the bite of a mosquito. STANDARD Q Filariasis Ab performs qualitative analysis by detecting filariasis specific to *Wuchereria bancrofti* and *Brugia malayi* in serum, plasma and whole blood using immunochromatography. With a simple test method, with its high sensitivity and specificity, the screening test result can be obtained within 10 minutes.

**GENERAL INFORMATION:**

- Easy to use, easy to read and interpret
- Room temperature storage

**Specification**

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	10 mins. (Do not read after 20 mins.)
Specimen Volume	75µl
Storage Conditions	2-40°C / 36-104°F

**TEST PERFORMANCE**

Reference	Sensitivity	Specificity
Microscopy/ELISA/ CFA (ICT/FTS)	100%	-
Microscopy/PCR/ Stool	-	95.3%

**ORDERING INFORMATION**

Category	Product	Pack Size
Parasitic Disease	STANDARD Q Filariasis Ag Test	25 Test

**STANDARD Q****TnI**  **SD BIOSENSOR**

STANDARD Q TnI FIA test is for the qualitative analysis of Troponin I (TnI) level in serum, plasma and whole blood samples using immunochromatography. With a simple test method, with its high sensitivity and specificity, the screening test result can be obtained within 15 minutes.

**GENERAL INFORMATION:**

- Easy to use, Easy to read and interpret
- Room temperature storage

**Specification**

Specimen Type	Serum/Plasma/Whole Blood
Testing Time	15 mins. (Do not read after 20 mins.)
Specimen Volume	100µl
Storage Conditions	2-40°C / 36-104°F

**TEST PERFORMANCE**

Reference	Sensitivity	Specificity
ECLIA	98.4% (62/63)	99.37% (160/161)

**ORDERING INFORMATION**

Category	Product	Pack Size
Cardiovascular Disease	STANDARD Q TnI Test	25 Test



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## DRUG OF ABUSE TEST CARDS

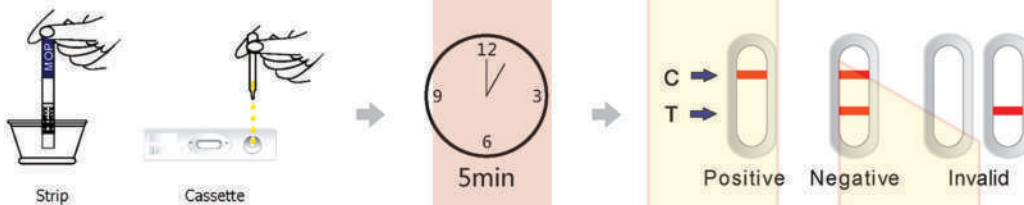
One Step DOA (Single Item) Urine Test Panels/Strips/Cassettes are intended for the qualitative detection of DOA markers and their principal metabolites in human urine at specified cut-off level.



### ONE STEP DOA TEST

PRODUCT	FORMAT	SPECIMEN	SENSITIVITY
AMP (Amphetamine) Test	Strip/Cassette/Panel	Urine	1000/500/300ng/mL
BAR (Barbiturates) Test	Strip/Cassette/Panel	Urine	300/200ng/mL
BZO (Benzodiazepines) Test	Strip/Cassette/Panel	Urine	300/200/100ng/mL
COC (Cocaine) Test	Strip/Cassette/Panel	Urine	300/150/100ng/mL
MET (Methamphetamine) Test	Strip/Cassette/Panel	Urine	1000/500 ng/mL
MDMA (Ecstasy) Test	Strip/Cassette/Panel	Urine	1000ng/ml; 500ng/ml
MOP (Morphine) Test	Strip/Cassette/Panel	Urine	500/300/100ng/mL
OPI (Opiate) Test	Strip/Cassette/Panel	Urine	2000/300 ng/mL
PCP (Phencyclidine) Test	Strip/Cassette/Panel	Urine	25 ng/mL
THC (Marijuana/Cannabinoids) Test	Strip/Cassette/Panel	Urine	50/40/25ng/mL

### TEST PROCEDURE AND INTERPRETATION



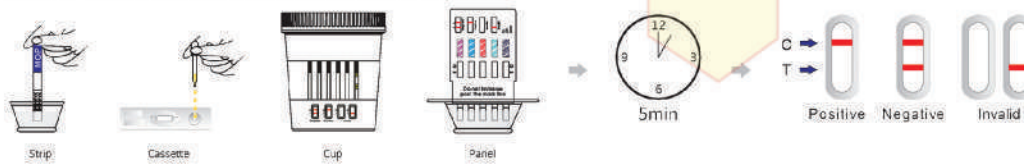
### MET - THC COMBO TEST

One Step 5 Multi-Drug Urine Test offers any combination 5 drugs of abuse tests for the following drugs: Opiate (OPI), Cocaine (COC), Amphetamine (AMP), Benzodiazepines (BZO), Methamphetamine (MET).

PRODUCT	TEST ITEMS	FORMAT	SPECIMEN	SENSITIVITY
DOA Multi Test Panel	2-12 Test items; More than 20 for optional	Panel	Urine	Variable
DOA Multi Test Cup	5-18 Test items; More than 20 for optional	T-Cup	Urine	Variable



### TEST PROCEDURE AND INTERPRETATION



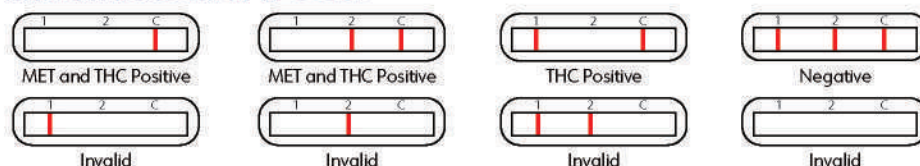
### MET - THC TRI-LINE URINE TEST

A competitive immunoassay that is used to screen for the presence of Methamphetamine and/or Cannabinoids in urine. It is a chromatographic absorbent device in which drugs or drug metabolites in a sample competitively combined to a limited number of antibody-dye conjugate binding sites. Sensitivity level: 96.25%

#### TEST PROCEDURE

Place it on a level surface. Holding a sample dropper vertically, add exactly four drops of the urine specimen to the sample well. Read results in 5 minutes. Do not read results after more than 5 minutes.

#### INTERPRETATION OF RESULTS



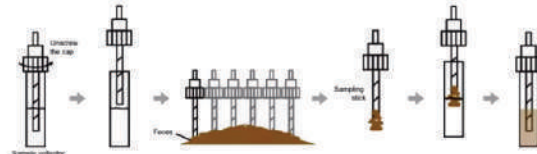
## H. PYLORI ANTIGEN

One Step H. pylori Fecal Test Cassette is a rapid chromatographic immunoassay for the qualitative detection of antigen to H. pylori in feces to aid in the diagnosis of H. pylori infection. For in vitro diagnostic use only. For professional use only.

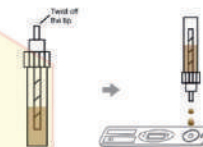
### SPECIMEN COLLECTION

Collect feces from collection paper, on toilet paper or from specimen caught in a clean cup. Contamination from toilet water and urine should be avoided. If the stool sample can't be extracted immediately, the sample may be stored at 2°C-8°C for up to 2 days. For long-term storage, sample should be stored at -20°C. Specimens should not be frozen and thawed repeatedly. Only non-contaminated specimens can be used.

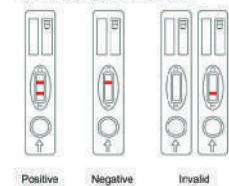
Insert the sampling stick into stool sample at 6 different sites. Use only enough fecal material to cover the threaded portion of the sampling stick. Remove excess feces from the stick by gently wiping with absorbent tissue. Put the sampling stick back to the sample collection tube and screw tightly and mix well.



Squeeze 3 drops (about 80 µL) of sample solution to the sample well. Wait for 15 minutes and read results. Do not read results after 30 minutes.



### READ RESULTS



## FECAL OCCULT BLOOD RAPID TEST

Fecal Occult Blood is the trace amount of blood in fecal which can not be seen with the eyes. It could be the early clinical symptom of the common malignant tumor, gastric cancer or colonic cancer, or the indicator of enteron ulcer. An early detection of FOB is vital in saving lives.

### INTENDED USE

Wondfo One Step Fecal Occult Blood Test Cassette is a simple direct binding immunoassay for the rapid, qualitative detection of human occult blood in feces. The assay is designed to detect lower levels of colorectal bleeding than other biochemical methods.

### CHARACTERISTICS

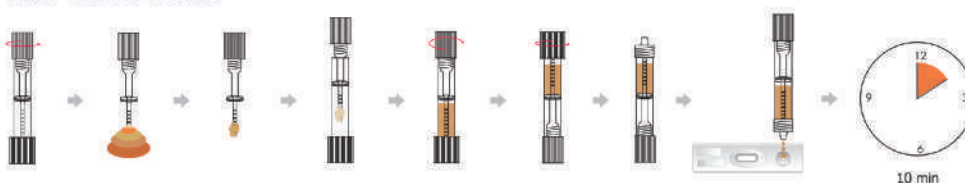
1. Accurate: Double antibody sandwich method, high sensitivity.
2. Rapid: Get results in 10 minutes.
3. Convenient: No need for professional training, test could be performed at any time, any place.

Format: Cassette  
Specimen: Feces  
Test Time: 10 minutes

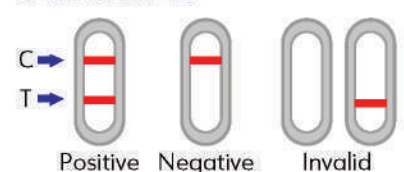
### PRECAUTIONS

1. This kit is for in vitro use only.
2. Wear protective gloves while handling specimens and wash hands thoroughly afterward.
3. Avoid splashing or aerosol formation while collecting the sample.
4. Discard after first use. The test cannot be used more than once.
5. Do not use test kit beyond the expiration date.
6. Do not use the kit if the pouch is punctured or not well sealed.
7. Keep out of reach of children.
8. Do not read after 30 minutes.

### TEST PROCEDURE



### READ RESULTS





## PREGNANCY TEST

The One Step hCG Urine/Serum Test in vitro diagnostic test is used for the qualitative determination of hCG in urine or serum for early detection of pregnancy. It detects the presence of human chorionic gonadotropin ("HCG") at a concentration of 25mIU/mL or above. The One Step hCG Urine/Serum Test is intended for professional use only, for in vitro diagnostic use only.

### GENERAL INFORMATION

Analytical Sensitivity : 25mIU/ml of hCG  
Sensitivity : 99.9%, Specificity : 99.9%  
Specimen : Urine/Serum  
Reading Time : 3 mins for Urine, 5 min for Serum  
Immunochemistry based one-step in vitro diagnostic test  
No cross reactivity: hLH(300mIU/mL), hFSH(300mIU/mL), and hTSH(1,000µIU/mL)  
Storage : 4~30°C



### SPECIMEN COLLECTION

#### Urine:

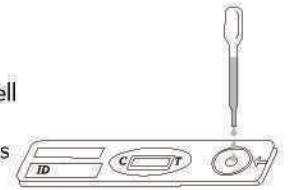
Any urine specimen is appropriate for pregnancy testing but the first morning urine specimen is optimal because of its highest concentration of hCG. Urine specimens exhibiting visible precipitates should be centrifuged, filtered, or allowed to settle to obtain a clear specimen for testing.

#### Serum:

Collect blood aseptically by venipuncture into a clean tube without coagulants. Separate the serum from blood as soon as possible to avoid hemolysis. Use clear non-hemolyzed specimens only.

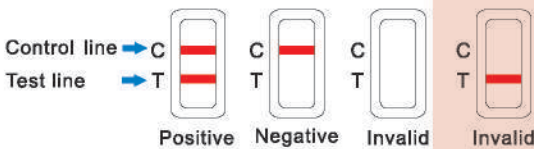
### TEST PROCEDURE

1. Allow test device and urine/serum to equilibrate to room temperature (10°C ~30°C) prior to testing.
2. Remove test device from the foil pouch by tearing at the notch and place it on a level surface.
3. Holding a sample dropper vertically, add exactly four drops of the urine/serum specimen to the sample well (with an arrow mark).
4. Wait for the red line(s) to appear. Read the result in 3 minutes when testing a urine specimen, or in 5 minutes when testing a serum specimen. It is important that the background is clear before the result is read.



Note: A low hCG concentration might result in a weak line appearing in the test region (T) after an extended period of time; therefore, do not interpret the result after 5 minutes.

### INTERPRETATION OF RESULT



NOTE: If the color in the Test Zone is weak, it is recommended that the test be repeated in 48 hours.

## HEPATITIS A

Wondfo Diagnostic Kit for IgM Antibody to Hepatitis A Virus (Colloidal Gold) is an immunoassay for qualitative measurement of IgM Antibody to Hepatitis A Virus (HAV) in human serum or plasma. The test is used as an aid in the diagnosis of HAV infection. For in vitro diagnostic use only. For professional use only.

### GENERAL INFORMATION

- Sensitivity : 96%, Specificity : 99%
- Specimen : Serum or Plasma
- Reading Time : 20 min
- Storage : 2~30°C
- Types: IgG and IgG/IgM

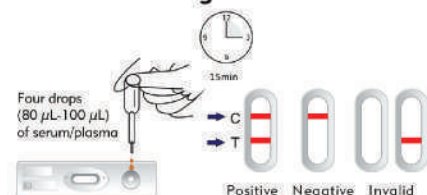


### TEST PROCEDURE AND INTERPRETATION

#### For Whole Blood Testing:



#### For Serum Testing:



## HEPATITIS B

Wondfo One Step HBsAg Whole blood/Serum/Plasma Test is a rapid immunochromatographic assay designed for qualitative determination of hepatitis B surface antigen (HBsAg) in human whole blood, serum or plasma.

### GENERAL INFORMATION

- Sensitivity: 97.3%, Specificity: 99.2%
- Instant Result in 15 minutes
- Easy to use, no equipment required
- Store at 4°C~30°C in the sealed pouch up to the expiration date printed on the package.
- Keep away from sunlight, moisture and heat.
- Do not freeze



## TROPONIN I

One Step Troponin I Test Device (Whole Blood/Serum/Plasma) is a rapid chromatographic immunoassay for the qualitative detection of human cardiac Troponin I in whole blood, serum or plasma as an aid in the diagnosis of myocardial infarction (MI).

### HOW IS THE TEST USED

Troponin tests are primarily ordered to help diagnose a heart attack and rule out other conditions with similar signs and symptoms. Troponin tests are also sometimes used to evaluate people for heart injury due to causes other than a heart attack or to distinguish signs and symptoms such as chest pain that may be due to other causes. Testing may also be done to evaluate people with angina if their signs and symptoms worsen.

Troponin is the preferred test for a suspected heart attack because it is more specific for heart injury than other tests (which may be elevated in the blood with skeletal muscle injury) and remain elevated for a longer period of time.

### GENERAL INFORMATION

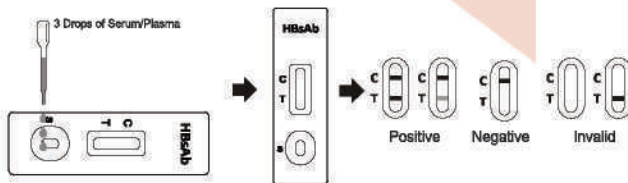
- Immunochromatography based one-step in vitro diagnostic test
- Point of care test at the Emergency Room
- No instruments needed
- No cross reactivity
- Specimen : Serum, Plasma or Whole Blood
- Reading Time : 15~20 min
- Storage : 2~30°C



## ANTI-HBs

A rapid test for the qualitative detection of antibody to Hepatitis B Surface Antigen (HBsAb or anti-HBs) in serum or plasma.

### TEST PROCEDURE AND INTERPRETATION



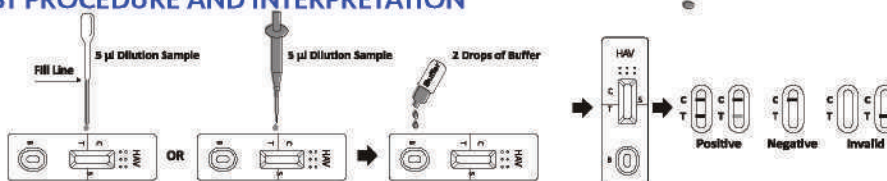
## HEPATITIS A IgM/IgG

The HAV Rapid Test Cassette is a rapid chromatographic immunoassay for the qualitative detection of IgM/IgG antibody to Hepatitis A Virus (HAV) in serum or plasma.

### WHAT IS BEING TESTED

Hepatitis A is a highly contagious liver infection caused by the Hepatitis A Virus (HAV). It is one of several various causes of hepatitis, a condition characterized by inflammation and enlargement of the liver. This test detects antibodies in the blood that are produced by the immune system in response to a Hepatitis A infection.

### TEST PROCEDURE AND INTERPRETATION

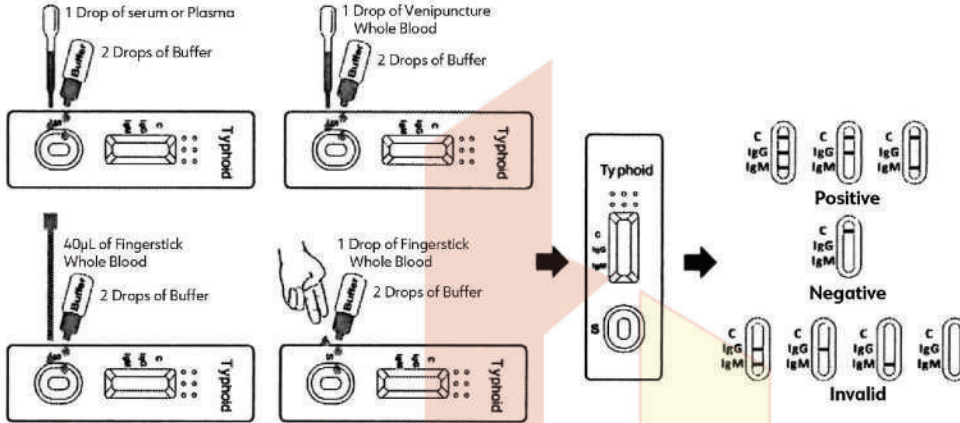


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## TYPHOID RAPID TEST

The Typhoid Rapid Test Cassette is a rapid chromatographic immunoassay for the simultaneous detection and differentiation of IgG and IgM types of antibodies against Salmonella Typhi (S. Typhi) in human serum or plasma. It is intended to be used as a screening test and as an aid in diagnosis of infection with S. Typhi. Any reactive specimen with typhoid rapid test cassette needs to be confirmed with an alternative testing method.

### TEST PROCEDURE AND INTERPRETATION



## TYPHIDOT RAPID IgG/IgM (COMBO) TEST

### TYPHIDOT

Typhidot is a revolutionary method of diagnosis. Invented in Malaysia, it is the first known qualitative antibody detection test design for rapid diagnosis of typhoid fever. Using the Dot EIA technique, presence of IgM and IgG antibodies against a specific antigen on the outer membrane of Salmonella Typhi are detected. Typhidot has been evaluated by many endemic areas including Malaysia, India, Indonesia, Pakistan and the Philippines. A control clinical field trial among febrile children admitted to a hospital in an endemic area showed that Typhidot when compared to culture is sensitive (95%) and did not show any cross-reactions.

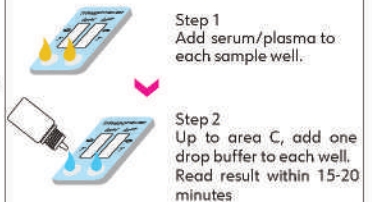
#### FEATURES:

Platform	Immunochemistry assay
Format	Cassette
Detection	Human IgM or IgG/IgM against S.typhi OMP antigen
Specimen	Serum/ Plasma or Whole blood
Specimen Volume	30-35µl
Format	15 minutes

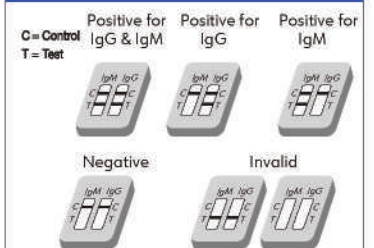
drop buffer to each well.  
Read result within 15-20 minutes.

### Typhidot Rapid IgG & IgM (combo)

#### Assay Procedure

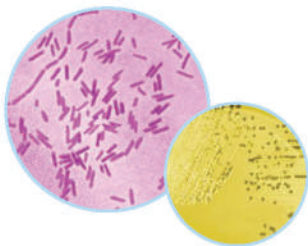


#### Interpretation Of Result :



Please refer to product insert for detailed instruction.

### Typhidot Rapid Test Kits



**FAST!!** Results within 15 minutes

Results are **EASY TO INTERPRET**  
- test line appears means **POSITIVE RESULTS**

**MINIMAL** sample volume is required

The test kits are designed for the qualitative detection and differentiation of specific IgM or IgG/IgM antibodies against specific S. typhi antigen.