

DIAGNOSTIC MONITORING



ECG-1101B



**Single
Channel
Resting ECG**

1 channel, 50mm roll paper, 20*2 LCD character display, 12-lead simultaneous acquisition, auto measurement

ECG-1101G



1 channel, 50mm roll paper, 3.8" LCD graphic display, 12-lead simultaneous acquisition, 12 ECG files memory, auto measurement & interpretation

ECG-1103B



**Three
Channel
Resting ECG**

3 channel, 63mm roll paper, 192*64 LCD graphic display, 12-lead simultaneous acquisition, auto measurement & interpretation

ECG-1103L



3 channel, 80mm roll paper, 5.7" LCD color display, 12-lead simultaneous acquisition, auto measurement & interpretation, USB storage, PDF/SCP convert, Laser printer, Barcode scanner, Magnetic card reader etc.

ECG-1103G



3 channel, 63mm roll paper, 3.8" LCD graphic display, 12-lead simultaneous acquisition, 12 ECG files memory, auto measurement & interpretation

ECG-1103GW



3 channel, 80mm roll paper, 3.8" LCD graphic display, 12-lead simultaneous acquisition, 12 ECG files memory, auto measurement & interpretation

DIAGNOSTIC MONITORING

ECG-1106L



Six Channel Resting ECG

6 channel, 112mm roll paper, 5.7" color display, 12-lead simultaneous acquisition, 180 ECG files memory, auto measurement & interpretation USB storage, PDF/SCP convert, Laser printer, Barcode scanner, Magnetic card reader etc. (New features: 5000 ECG files can be stored, compatible with carewell new AIECG software)

ECG-1106G



6 channel, 112mm roll paper, 5.7" LCD graphic display, 12-lead simultaneous acquisition, 258 ECG files memory, auto measurement & interpretation

ECG-1112L



Twelve Channel Resting ECG

12 channel, 216mm roll paper, 6" LCD graphic display, 12-lead simultaneous acquisition, 1008 ECG files memory, pre-10-second printing of abnormal ECG waveform, various printing mode, auto measurement & interpretation

ECG-1112M



12 channel, 216mm roll paper, 7" color LCD screen display, 12-lead simultaneous acquisition, 180 ECG files memory, auto measurement & interpretation USB storage, PDF/SCP convert, Laser printer, Barcode scanner, Magnetic card reader etc. (New features: 5000 ECG files can be stored, compatible with carewell new AI-ECG software)

PCECG-500



ECG Workstation & Holter

- PC based 12 channel ECG with interpretation;
- Simultaneous 12 leads acquisition and recording;
- One key installation, compatible with Windows operation system;
- ECG data and reports can be saved as FDAXML, XML, SCP, PDF, JPEG, DICOM, HL7, Word, Bitmap, MFER;
- Compatible with HIS.

TH3

(3-lead Holter)



TH12

(12-lead Holter)

- Light weight 62g;
- Pacemaker detection, pacing sampling rate 20000 Hz;
- 2 data transmission ways: USB cable or SD card;
- Powerful analysis including ST, QT, QRS, R-R, HRV, HRT, OSA, MTWA, Atrial fibrillation etc.
- Unique waterfall technology to quickly transform and display ECG information into an intuitive and easy-to-view way, time saving for doctors' work.

CPM-9000



Patient Monitor

- (12.1" screen)
- Standard parameters: 3/5 ECG, RESP, TEMP, SpO2, NIBP, PR/HR
- EtCO2 and 2- CH IBP function sockets free opened
- Options: EtCO2, 2- CH IBP, Recorder, Wired/Wir

CPM-8000Plus



- (8.4" screen)
- Standard parameters: 3/5 ECG, RESP, TEMP, SpO2, NIBP, PR/HR
- EtCO2 and 2- CH IBP function sockets free opened
- Options: EtCO2, 2- CH IBP, Recorder, Wired/Wireless central monitoring station

Infusion Pump CIP-200A



Medical Pumps

- rate mode, drip mode
- Flow rate 0.1-1200ml/h
- Bolus rate 300-1200ml/h
- KVO rate 1-5ml/h
- 2000 history records storage
- multi visible and audible alarms
- Anti-bolus system to reduce significantly bolus after occlusion sudden release

Infusion Pump CIP-200B



- rate mode, drip mode, time mode, body weight mode, drug library mode, intermittent mode, dose mode, program mode, TPN mode
- Support a wide variety brands of infusion sets, including B.Braun, BD, Nipro etc.
- Infusion accuracy $\pm 5\%$
- Flow rate range 0.1-2001ml/h
- Bolus rate (manual/automatic) 0.1- 2001 ml/h
- KVO rate 0-10ml/h
- Over 2000 history records storage
- multi Visual and audible alarms system
- Anti-bolus system to reduce significantly bolus after occlusion sudden release



Infusion Pump CIP-200C

- rate mode, volume mode, time mode
- 4.3 inch TFT color display
- Remote controller operation
- Liquid warmer as standard configuration
- Bolus function
- KVO function to guarantee the safety of the patients when occlusion alarms happens(drop sensor optional)

DIAGNOSTIC MONITORING

Syringe Pump CSP-100A



Medical Pumps

- rate mode,time mode,body weight mode
- Drug library optional
- Optional nurse call alarm
- flow rate 0.1ml/h - 1500ml/h
- KVO Rate adjustable
- 1200 history records storage
- multi audible and visible alarms
- Operating for more than 6 hours after full charged at 5ml/h

Syringe Pump CSP-100B



- rate mode,time mode,body weight mode,intermittent infusion mode, TIVA, program mode, TPN mode,switch mode, drug library mode
- Compatible with 2ml/5ml/10ml/20ml30ml/50ml/60ml, including BD,B.Braun, Terumo, Nipro etc.
- Syringe accuracy $\pm 2\%$
- Optional nurse call alarm
- Volume infused 0-9999.9ml
- KVO Rate adjustable(0-5ml/h)
- Over 2000 history records storage
- multi audible and visible alarms system
- Operating for more than 6 hours after full charged at 5ml/h

Feeding Pump CFP-300



- rate mode
- Flow rate 0.1-1200ml/h
- Bolus rate 300-1200ml/h
- KVO rate 1-5ml/h
- 1600 history records storage
- multi Visual and audible alarms

PC-900B Capnograph and Oximeter (Sidestream)

- Monitors EtCO₂/CO₂, RR, SpO₂, PR
- 3.5" color display with audio and visual alarm
- Compact design specially for emergency, transport and outdoor rescue
- Applicable for Anesthesiology Dept., Respiration Dept., ICU and Sleeping Monitoring Room
- Intubated/trauma monitoring and cardio-pulmonary resuscitation
- TM Standard MoveOxy SpO₂, optional Nellcor SpO₂
- PC analysis software for data upload and review



Capnograph

Capno Cube Capnograph (Mainstream)

- Monitors EtCO₂, and RR display real-time Capnogram within 15 seconds
- Pocketsize with extreme convenient mobility used in different monitoring situations, e.g. Pre-hospital first aid, Incubator,
- Anesthesiology, Respiration, Sleeping monitoring etc.
- Large numeric display mode clearly visible even from 5 meters away
- 24 hours trend record with data management software for analysis and printout



Vital Signs Monitor

PC-900PLUS/PC-900PRO



- 7" high resolution touch screen (PC-900plus), 3.5" LCD display (PC-900pro)
- Flexible configurations among SpO2, NIBP, TEMP and ECG
- Infrared ear thermometer measurement (optional)
- History data records reviewed in waveform, list and trend graph
- Auto, Manual and STAT NIBP measuring modes
- 3-level audible & visible alarm, nurse call, pitch tone
- USB connection for data output and software upgrade
- SunTech NIBP, Nellcor SpO2, thermal printer and trolley (optional)

Patient Monitor

PC-3000

- 7" TFT display with carry bag for emergency.
- 20 types of arrhythmia and S-T segment analysis
- Protection against interference from defibrillator or electrosurgical knife
- Visual and audio alarm with adjustable limits
- USB connection for data output



Carry bag

UP-7000

- 12.1" color TFT display with optional touch screen
- 20 types of arrhythmia and S-T segment analysis
- 12,000 groups of NIBP and 72 hours ECG storage
- 2,000 hours trend data for ECG/RESP/SpO2/NIBP/S-T
- Protection against interference from defibrillator or electrosurgical knife
- 3-level visual and audio alarm with adjustable limits
- 2-IBP, EtCO2, SunTech NIBP, CMS, Nellcor SpO2, C/O (optional)



UP-9000

- 15" high resolution color TFT with optional touch screen
- 12,000 groups NIBP, 72 hours ECG waveform storage
- 2,000 hours trend data for ECG/RESP/SpO2/NIBP/S-T 2
- 20 types of arrhythmia and ST segment analysis
- Protection against interference from defibrillator or electrosurgical knife
- 3-level visual and audio alarm with adjustable limits
- Options: 2-IBP, EtCO2, SunTech NIBP, CMS, Thermal printer



K-10

- 10.4" TFT display with touch screen
- NIBP customized 5-phase multi-cycle setting
- Data export and software upgrade
- Medication/Oxygenation/Ventilation/Renal function calculation
- History data records review in waveform, list and trend graph
- Waveform freezing for S-T segment measurement and arrhythmia analysis
- Nellcor SpO2, SunTech NIBP, IBP, ETCO2, 12-lead ECG, HL7 and bed to bed view (optional)



DIAGNOSTIC MONITORING

Patient Monitor

K-12

- 12.1" TFT display with touch screen
- NIBP customized 5-phase multi-cycle setting
- Waveform freezing for S-T segment measurement and arrhythmia analysis
- Medication/Oxygenation/Ventilation /Renal function calculation
- History data records review in waveform, list and trend graph
- Data export and software upgrade
- Nellcor SpO2, SunTech NIBP, IBP, EtCO2, CSM, C/O
- 12-lead ECG, HL7, and bed to bed view via CMS (optional)



K-15

- 15" TFT display with touch screen
- NIBP customized 5-phase multi-cycle setting
- History data records review in waveform, list and trend graph
- Data export and software upgrade
- Medication/Oxygenation/Ventilation/Renal function calculation
- Waveform freezing for S-T segment measurement and arrhythmia analysis
- Nellcor SpO2, SunTech NIBP, IBP, EtCO2, CSM, C/O, Multi-gas,
- 12-lead ECG, HL7, bed to bed view (optional)



Modular Monitor

Superview-12

- 12.1" high resolution TFT touch screen
- Two plug-in modules for CO2, IBP, C/O and CSM, Nellcor SpO2, Multi-gas (optional)
- Compact database for efficient retrieving of history records
- Intuitive CSM event markers for easy identification
- S-T segment (1-7 lead) and 20 types of arrhythmia analysis for ECG waveform
- 12,000 groups NIBP, 72 hours ECG waveform and 2,000 hours trend storage
- 3-level visual and audio alarm with adjustable limits



Central Monitoring Station

PC-1000

- Three types of connection by cable, interchanger and wireless
- PC operation system: Windows 7 or above
- 4/ 8/ 16/ 32/ 64 beds
- Graphic trends for ECG, PR, SpO2, RESP, NIBP, IBP 2 and EtCO2
- Remote operation for alarm settings and waveform freezing
- S-T segment automatic detection and display



Fingertip Oximeter

PC-60F

- OLED display of SpO2, PR, PI, waveform and Pulse Bar
- Special design with splash-proof and drop resistant
- Spot check and continuous measuring modes
- Pulse rate analysis for spot check measurement
- Up to 12 groups SpO2 data storage
- Audio and visual alarm with low battery indication
- Automatic power on/off, 4-direction display
- Setting menu and wireless available



PC-60A

- Measuring with SpO2, PR with Pulse bar
- Special design with splash-proof and drop-resistant
- Audible and visual alarm with low battery indication
- 2 direction display with Perfusion Index
- Automatic power on/off
- 2 AAA alkaline batteries



Fingertip Oximeter

PC-60B1

- OLED display of SpO2, PR, PI, waveform and Pulse Bar
- 4-direction display
- Special design with splash-proof and drop resistant
- Automatic power on/off
- Audio & visual alarm
- Low battery indication with alarm
- 2 AAA alkaline batteries



PC-60C

- OLED display of SpO2, PR, Pulse Bar, PI and waveform
- 4-direction display
- Automatic power on/off
- Audio & visual alarm
- Low battery indication with alarm
- 2 AAA alkaline batteries



PC-60D1

- OLED display of SpO2, PR, Pulse Bar, PI and waveform
- 4-direction display
- Automatic power on/off
- Audio & visual alarm
- Low battery indication with alarm
- 2 AAA alkaline batteries



PC-60D2

- Specially designed for pediatric
- OLED display of SpO2, PR, Pulse Bar, PI and waveform
- 4-direction display
- Automatic power on/off
- Audio & visual alarm
- Low battery indication with alarm
- 2 AAA alkaline batteries



PC-60E (Adult/Pediatric)

- OLED display of SpO2, PR, Pulse Bar, PI and waveform
- Suitable for adult and pediatric with optional probe
- 4-direction display with auto-rotation
- Automatic power on/off
- Audio & visual alarm
- Low battery indication with alarm



PC-60NW (Wireless)

- OLED display of SpO2, PR, Pulse Bar, PI and waveform
- Built-in wireless module for real-time transfer via APP
- Connection to pediatric and neonatal probes
- Automatic power on/off
- Audio & visual alarm
- Pulse beep with pitch tone
- Menu for system setting



Handheld Oximeter

PC-66B

- 2.2 inch TFT display of SpO2, PI, waveform and PR
- Various SpO2 probes for Adult, Pediatric and Neonate
- Built-in lithium battery or AA battery
- Up to 384 hours SpO2 data storage for review
- PC analysis software for data upload and review
- Adjustable alarm limits, pitch tone level and key tone



SP-20

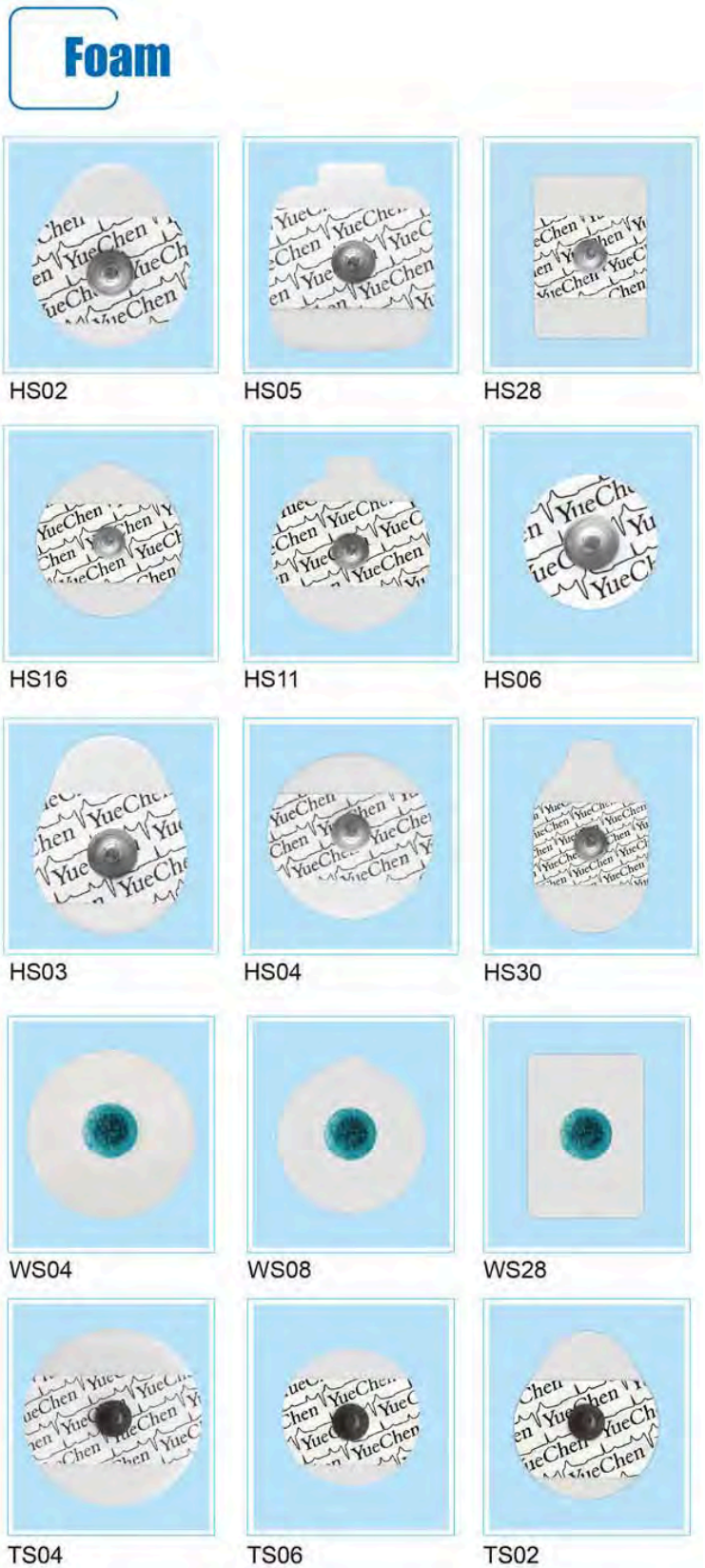
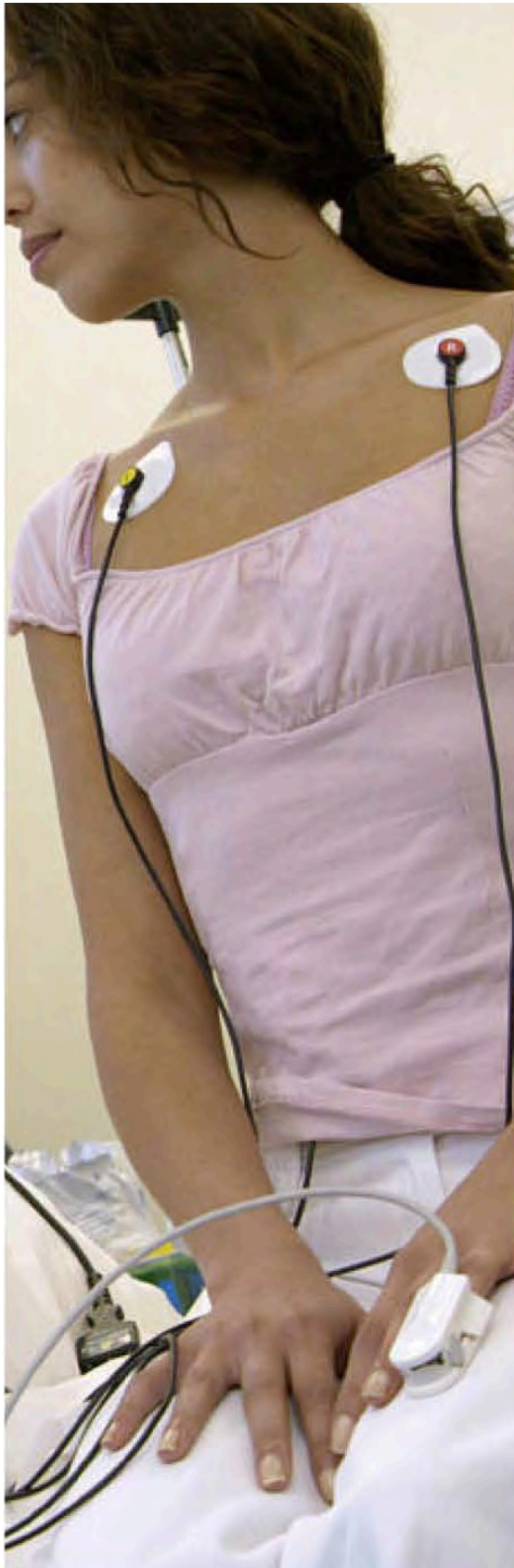
- 3.5" auto rotation TFT display of SpO2, PI, waveform, PR
- Various SpO2 probes for Adult, Pediatric and Neonate
- Built-in lithium battery up to 18 hours working time
- Applicable to Adult, Pediatric, Neonate measurement
- Up to 500 hours SpO2 data storage
- PC analysis software for data upload and review
- Infrared ear thermometer optional



DIAGNOSTIC MONITORING

MONITORING ECG ELECTRODES FOR ADULTS

ICU/CCU, SURGERY, EMERGENCY, LONG TERM, Suess Test, Holter, MRI, X-ray



Cloth



HW04



HW07



HW08



HW09



HR01

Breathable film



HA01



HA07



HA09



HL01



HL02

Prewired Electrode

Monitoring Electrodes offer total versatility at affordable prices. 3 different backings, a standard and an enhanced adhesive the YUECHEN range has an electrode to meet all your particular needs in short or long term monitoring.

Protective Foam Backings of short term monitoring electrodes are impermeable to liquids present in surgical procedures.

Breathable Film or Soft Cloth Backings of long term monitoring electrodes provide patient comfort for long term use.

Solid Gel is not only conductive but also adhesive and can be removed without residue.

Easy to open pouch and a handling aid on all YUECHEN monitoring electrodes facilitate use.

Foam

Code	Gel	Dimensions	Suggested Use
HS02	Solid gel	37*42mm	Monitoring, Short term/Long term
HS05	Solid gel	40*46mm	Monitoring, Short term/Long term
HS28	Solid gel	32*41mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term
HS16	Solid gel	42*45mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term
HS11	Solid gel	50*55mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term
HS06	Solid gel	Φ25.4mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term
HS03	Solid gel	35*44mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term
HS04	Solid gel	Φ50mm	Monitoring, Long term, Stress Test, Holter
HS30	Solid gel	57*43mm	Monitoring, Long term, Stress Test, Holter
WS04	Wet gel	Φ50mm	Monitoring, Long term, Stress Test, Holter
WS08	Wet gel	45*48mm	Monitoring, Long term, Stress Test, Holter
WS28	Wet gel	32*41mm	Monitoring, Long term, Stress Test, Holter
TS04	Solid gel	Φ50mm	X-Ray, MRI, Monitoring during Imaging Procedures
TS06	Solid gel	Φ25.4mm	X-Ray, MRI, Monitoring during Imaging Procedures
TS02	Solid gel	37*42mm	X-Ray, MRI, Monitoring during Imaging Procedures

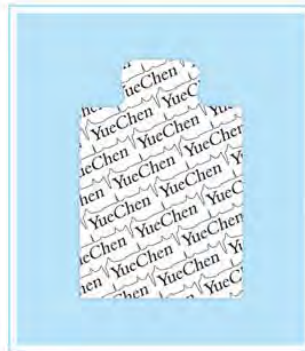
Cloth, Breathable film, Prewired Electrode

Code	Gel	Dimensions	Suggested Use
HW04	Solid gel	Φ50mm	Monitoring, Short term/Long term
HW07	Solid gel	34*48mm	Monitoring, Short term/Long term
HW08	Solid gel	37*42mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term
HW09	Solid gel	45*48mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term
HR01	Hydrogel	23*34mm	ICU/CCU, Surgery, Emergency, Cath Lab, Radiology
HA01	Solid gel	Φ48mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term, Stress Test, Holter
HA07	Solid gel	34*48mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term, Stress Test, Holter
HA09	Solid gel	45*48mm	Monitoring, ICU/CCU, Surgery, Emergency, Long term
HL01	Solid gel	22*22mm	Monitoring, Long term
HL02	Solid gel	28*35mm	Monitoring, Long term

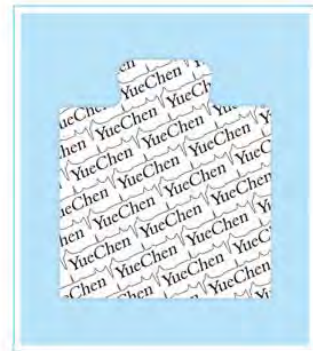
TAB ELECTRODES / RESTING ECG ELECTRODES



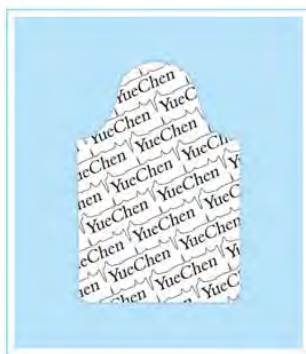
HT01



HT02



HT03



HT04



HT05



HT06

Code	Gel	Dimensions	Suggested Use
HT01	hydrogel	14*30mm	Neonate
HT02	hydrogel	20*30mm	Child/Adult
HT03	hydrogel	26*30mm	Adult
HT04	hydrogel	20*30mm	Child/Adult
HT05	hydrogel	23*34mm	Child/Adult
HT06	hydrogel	28*34mm	Adult

Electrosurgical pencil YUECHEN Brand



HP01 (white, round-button)



HP03 (white, switch-button)



HP02 (blue, round-button)



HP04 (blue, switch-button)



HP05 (blue, oval-button)



HP06 (blue, teflon coated electrode)



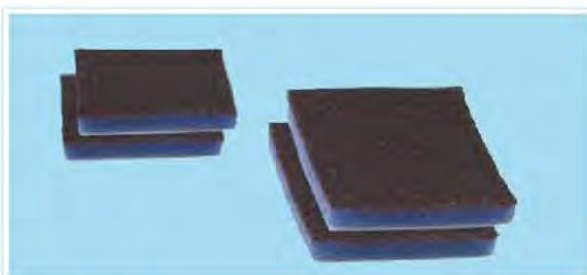
HP07 (blue, foot control, Φ6.3mm one pin jack phone plug)



HP08 (blue, foot control, Φ4.0mm one pin plug)

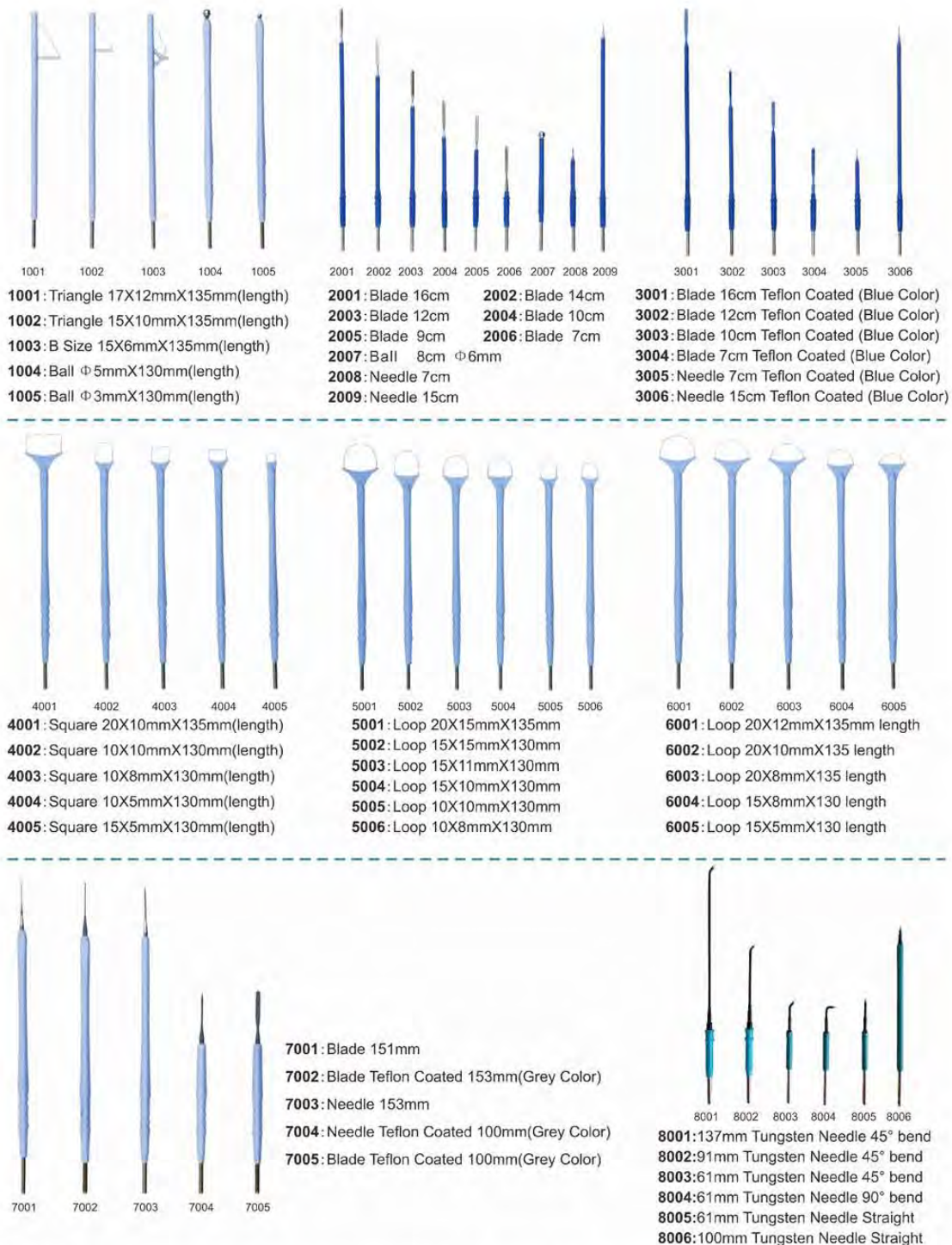


HOLSTER



TIP CLEANER

DIAGNOSTIC MONITORING



The YUECHEN Single Use Electrosurgical Pencils a high quality diathermy pencil.

The electrode is fitted with a hexagonal connection, securing the electrode in the required position.

It can be used with any electrosurgical generator available.

- Comfortable design and light weight
- Colour marked buttons
- Hexagonal electrode connection
- 3 meter cable, 2.36mm electrode, 70mm blade length (40mm outside of pencil)
- 3 pin US-connector
- Handle length (170mm only for HP05, 153mm the other)

Disposable Neutral Electrodes

The Professional's Choice



HG01



HG02



HG03



HG04



HG05



HG06



HG07



HG11



HG12



HG01-1



HG02-1



HG03-1



HG04-1



HG11-1



HG12-1



ESU Cable



CA01



CA02

Code	Backing	Sort	Dimensions	Size
HG01	Foam	Monopolar	210*100mm	Adult
HG02	Foam	Biopolar	210*100mm	Adult
HG03	Foam	Monopolar	150*90mm	Child
HG04	Foam	Biopolar	150*90mm	Child
HG05	Foam	Monopolar	75*110mm	Neonate
HG06	Foam	Biopolar	75*110mm	Neonate
HG07	Foam	Biopolar	88*128mm	Adult
HG11	Foam	Monopolar	88*128mm	Adult
HG12	Foam	Biopolar	88*128mm	Adult
HG01-1	Foam	Monopolar, REM Plug	210*100mm	Adult
HG02-1	Foam	Biopolar, REM Plug	210*100mm	Adult
HG03-1	Foam	Monopolar, REM Plug	150*90mm	Child
HG04-1	Foam	Biopolar, REM Plug	150*90mm	Child
HG11-1	Foam	Monopolar, REM Plug	88*128mm	Adult
HG12-1	Foam	Biopolar, REM Plug	88*128mm	Adult

TENS Electrodes



TES-B-01



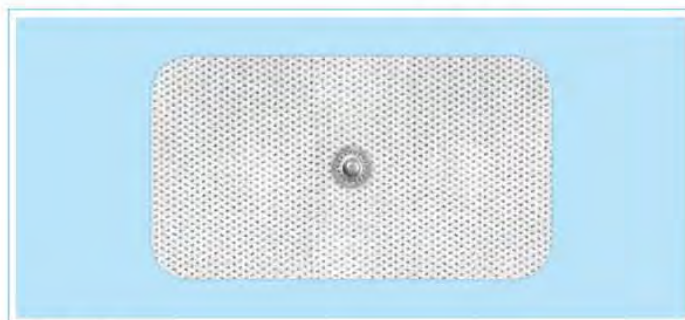
TES-B-02



TES-B-03



TES-B-04



TES-B-06



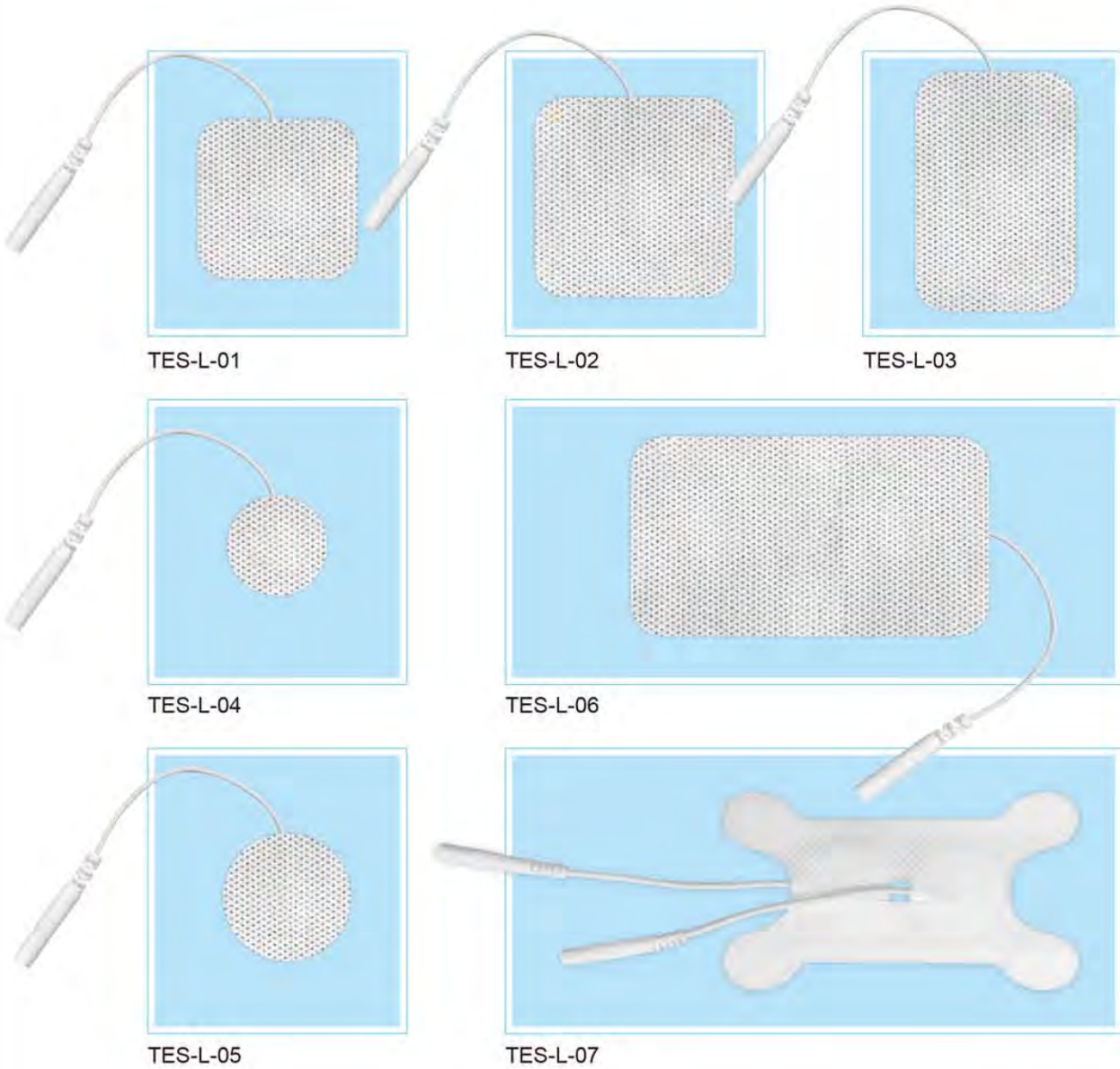
TES-B-05



TES-B-07

Code	Gel	Dimensions	button
TES-B-01	hydrogel	40*40mm	4.0/5.0
TES-B-02	hydrogel	50*50mm	4.0/5.0
TES-B-03	hydrogel	40*60mm	4.0/5.0
TES-B-04	hydrogel	Φ25mm	4.0/5.0
TES-B-05	hydrogel	Φ32mm	4.0/5.0
TES-B-06	hydrogel	50*90mm	4.0/5.0
TES-B-07	hydrogel	86*50mm	4.0/5.0

DIAGNOSTIC MONITORING



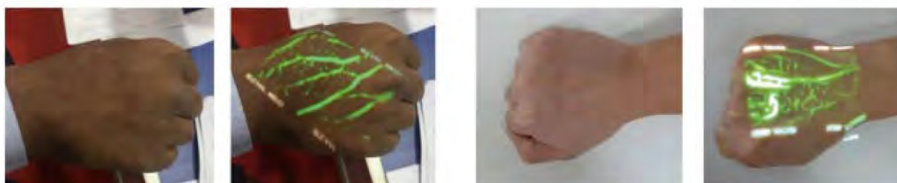
Code	Gel	Dimensions	length of line	Aperture
TES-L-01	hydrogel	40*40mm	100mm or customer requirements	1.0/1.5/2.0/2.5/5.0
TES-L-02	hydrogel	50*50mm	100mm or customer requirements	1.0/1.5/2.0/2.5/5.0
TES-L-03	hydrogel	40*60mm	100mm or customer requirements	1.0/1.5/2.0/2.5/5.0
TES-L-04	hydrogel	Φ 25mm	100mm or customer requirements	1.0/1.5/2.0/2.5/5.0
TES-L-05	hydrogel	Φ 32mm	100mm or customer requirements	1.0/1.5/2.0/2.5/5.0
TES-L-06	hydrogel	50*90mm	100mm or customer requirements	1.0/1.5/2.0/2.5/5.0
TES-L-07	hydrogel	86*50mm	100mm or customer requirements	1.0/1.5/2.0/2.5/5.0



Product Introduction

Succinct, Efficient, Safe

The Vein Showing System digitally displays a map of the vasculature on the surface of the skin in real time. Incorporate vein visualization technology as a routine strategy for difficult or poor venous access. Visualization technology can improve success rates, decrease unsuccessful insertion attempts. Vein visualization is proven technology. Succinct design will bring users a real brilliant experience.

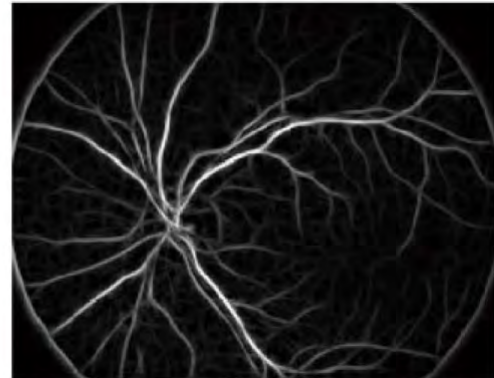


Advanced Vasculature Algorithm

We have spent many years in vascular algorithms and have also made considerable progress, and are becoming leaders in the field of vascular imaging algorithms. High-definition real-time 3D images allow users to easily find blood vessels.



(Before processing)



(After treatment)

Clinical Value

- ★ Helps nurses find veins in real-time.
- ★ Using near-infrared light to create a digital image on the skin.
- ★ To help nurses determine the best point of insertion and increase first stick success by up to 100%.
- ★ Protects patient veins and increase patient satisfaction by 100%.

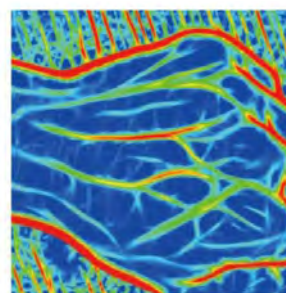
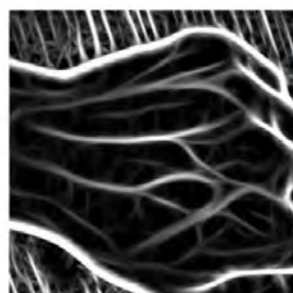


Applicable Departments

- ★ Pediatrics
- ★ Blood station
- ★ Inpatient Department
- ★ CDC
- ★ Oncology Department
- ★ Beauty center
- ★ Clinical Laboratory

Unique Advantages

- ★ Vessel depth by Pseudo-colored 3D display
- ★ Vessel image more clear and more detailed
- ★ Microvascular display is stronger
- ★ Advanced vasculature algorithm



Application Scope



Venipuncture



Taking blood



Varicose veins surgery



Mini-plastic surgery

Target User

- ★ Newborn baby
- ★ Obesity
- ★ Plastic operation
- ★ Dark skin
- ★ Patients with edema
- ★ Patients with thinner blood vessels
- ★ Patients with anemia, hypotension or excessive loss of blood





Fetal Monitor | MF2000



Features

- 7" TFT Screen, built-in 110mm thermal printer
- Sensitive probe, 12 crystals, more wide signal, more easy to find Fetal heart
- Long time data storage and printout
- Rechargeable battery support long time working

Technique specification

- **Fetal Heart Rate (FHR)**
FHR range: 50-210bpm
Accuracy: ± 2 bpm
Transducer: 12 crystals, high sensitivity
Frequency: 1.0MHz
- **Uterine Activity (TOCO)**
Measurement range: 0 - 100
TOCO baseline: 0, 5, 10, 15, 20 (selectable)
- **Data Storage**
41 hours trend graph of fetal parameters.
- **Printer**
Type: Built-in thermal recorder, 110*100mm
Print mode: Real-time recording, timed recording, selectable trends printing
Print speed: 1, 2, 3 cm/min
- **Speaker: 1W**
- **Display**
Type: 7" Color TFT LCD
Resolution: 800*480
- **Power supply**
AC Power input: 100-240V AC 1.0A VAC 50/60 Hz
Battery: Li-Ion battery, 2200mAh/14.8V
Maximum 4 hours of continuous monitoring FHR and TOCO

- **Quality system**
CFDA, IEC60601-1

Standard configuration

NO.	Item	qty
1	main unit	1
2	Power Adaptor	1
3	FHR Probe	1
4	TOCO Probe	1
5	FM marker	1
6	belt	2
7	power cable	1
8	printer paper	2

Standard Parameters

FHR, TOCO, FM

Optional

FHR2, Fetus waker, Trolley

Weight & Dimensions

- Net Weight: 1.75kg
- Dimensions: 295(D)*240(W)*75(H) mm
- 4 units per carton, packing size:
44*41*54CM . Total weight: 16kg

R&D, Production, Sale and Service of IVD products



Precise
Smart
Practical

MB Series

Microplate Reader

HEALES 汇松

HEALES

MB-580

Microplate Reader

It is controlled by computer to complete Enzyme Linked Immunosorbent Assay (ELISA). Read 48 well and 96 well microplate, analyse and report, which are widely used in clinical diagnostic laboratories, centers for disease control and prevention, animal and plant quarantine, animal husbandry and veterinary epidemic prevention stations, biotechnological industries, food industries, environmental science, agricultural scientific research and other academic organizations.



Features

- Built-in computer, 8" touch screen, edit, test, save, print efficiently and conveniently.
- 8 channels zero dispersion monochromatic optical fiber testing system, automatic well center positioning.
- High-precision rail transmissions, enclosing optical system, test 96 wells in 3 seconds.
- System self-check and diagnosis function for optical paths and mechanical parts.
- Lamp's automatic switch, energy-efficient design can extend the life of light source and make easy to change lamp.
- Shaking function, adjustable shaking speed and time.
- New Windows graphical user interface, operation system in English.
- Specimen information records: lists and cards, directly input specimen No., Patient Name, etc.
- Specimen No., OD value, result, S/CO value and item parameters can be shown in the same screen.
- Quick tagging blank, specimen, positive control, quality control, multi-valued comparison.
- Arrange 96 well microplate horizontally or longitudinally, set up optionally the start bit and stop bit in testing, autocoding.
- Suitable for self contrast, rows and columns subtraction, input judgment formula freely.
- Qualitative and quantitative parameters, the storable standard curve can be used directly.
- Multi-item can be tested on one microplate, up to 12 items.
- Report according to microplate No. or specimen No., input experimental items and results in batches.
- Inquiry and statistic analysis can be done according to the specimen No. and name, automatically track and analyse changing trends in data.
- Test data can be saved in MS Excel for further analysis.



Specifications

- Light Source: 6V, 10W tungsten halogen lamp, it can work over 5000 hours
- Wavelength Range: 400~750 nm
- Optical Filters: 4 standard filters: 405, 450, 492, 630 nm, maximum 8 filters
- Measurement Methods: single wavelength, dual wavelength, two points method, dynamic assay, multiple wavelengths
- Blank Ways: single well blank, multiple wells blank, rows and columns blank
- Calculation Method: Linear, Conic, Semi-log, In, Log-Log, Point-Point, Four_Parametric, Spline
- Measurement Speed: single wavelength < 3 seconds/96 wells, dual wavelength < 9 seconds/96 wells
- Measurement Range: 0.0000-4.5000Abs
- Resolution: 0.0001A
- Linearity: $\pm 0.5\%$ or $< 0.025 A$
- Repeatability Difference: $< 0.1\%$ or $\pm 0.0025A$
- Rows and Columns Difference: $< 0.01 A$
- Display: built-in XP system, 8" touch-screen, shows whole microplate results and calibration curve
- Save Information: more than 300 test programs, results of 50 pieces of 96 well, 100000 test results
- Interface: 2 USB two-way communication interface, 1 RS232, 1 VGA, 1 LAN
- Environment: power supply: 12V DC (100V-240V wide input voltage range); temperature: 5°C-40°C; humidity: 10%-90%
- External Dimension: 52.5cm(20.7 in) x 42.0cm(16.5 in) x 26.0cm(10.20 in)
- Net Weight: 9kg



MB-530

Microplate Reader



Features

- It is controlled by external computer to complete edit, test, save, print efficiently and conveniently
- 8 channels zero dispersion monochromatic optical fiber testing system, automatic well center positioning
- High-precision rail transmission, enclosing optical system, test 96 wells in 3 seconds
- System self-check and diagnosis function for optical paths and mechanical parts
- Lamp's automatic switch, energy-efficient design extends the life of light source and makes easy to change lamp
- Shaking function, adjustable shaking speed and time
- New Windows graphical user interface, operation system in English
- Specimen information records: lists and cards, directly input specimen No., Patient Name, etc
- Specimen No., OD value, result, S/CO value and term parameters can be shown in the same screen
- Quick tagging blank, specimen, positive control, quality control, multi-valued comparison
- Arrange 96 well microplate horizontally or longitudinally, set up optionally the start bit and stop bit in testing, autocoding
- Suitable for self contrast, rows and columns subtraction, input judgment formula freely
- Qualitative and quantitative parameters, the storable standard curve can be used directly
- Multiterm can be tested on one microplate up to 12 terms
- Report according to microplate No. or specimen No., input experimental terms and results in batches
- Inquiry and statistic analysis can be done according to the specimen No. and name, automatically track and analyse changing trends in data
- Test data can be saved in MS Excel for further analysis

Specifications

- Light Source: 6V, 10W tungsten halogen lamp, it can work over 5000 hours
- Wavelength Range: 400~750 nm
- Optical Filters: 4 standard filters: 405, 450, 492, 630 nm, maximum 8 filters
- Measurement Methods: single wavelength, dual wavelength, two point method, dynamic assay, multiple wavelengths
- Blank Ways: single well blank, multiple wells blank, rows and columns blank
- Calculation Method: absorbance, single point calibration, linear regression, quadratic curve, four parameters equation
- Measurement Speed: single wavelength < 3 seconds/96 wells, dual wavelength < 9 seconds/96 wells
- Measurement Range: 0.0000-4.5000Abs
- Resolution: 0.0001A
- Linearity: $\pm 0.5\%$ or $< 0.025 A$
- Repeatability Difference: $< 0.1\%$ or $\pm 0.0025 A$
- Rows and Columns Difference: $< 0.01 A$
- Display: controlled by external computer, shows whole microplate results and calibration curve
- Save Information: more than 300 test programs, results of 50 pieces of 96 well, 100000 test results
- Interface: 1 USB two-way communication interface.
- Environment: power supply 12V DC (100V-240V wide input voltage range); temperature: 5°C-40°C; humidity: 10%-90%



immunodiagnostic system

ChorusTRIO



**RANDOM ACCESS MULTIPARAMETRIC PROCESSOR
WITH SINGLE-TEST READY TO USE DEVICES**

**NIESSE
NIESSE**

INNOVATIVE CLINICAL DIAGNOSTIC SYSTEMS

THE APPROPRIATE SOLUTION

FOR THE MEDIUM SIZE LABORATORY

The Identi-System Bar-Code Concept ensures the elimination of human errors in the preanalytical phase.

Report results earlier reducing your turn-around time

Combine any kind of test in the same run

Consolidate your infectious diseases and autoimmunity tests on a single system

Control your costs:

1 device = 1 test



SAFE AND USER FRIENDLY

MINIMAL MANUAL OPERATION REQUIRED

1. Dispense the serum into the device
2. Place the device in the instrument
3. Press RUN: the instrument is programmed by the device's bar-code label

CONVENIENT SYSTEM

The single test device contains all the reagents necessary to perform the assay: no hidden costs or waste of reagents.
Master curve procedure with 1 point calibrator included in the kit.
Packaging: 36 or 12 devices according to the type of test





INFECTIOUS DISEASES

ToRCH

CYTOMEGALOVIRUS
HERPES SYMPLEX 1 e 2
RUBELLA
TOXOPLASMA

CHILDHOOD DISEASES

MEASLES
MUMPS
PARVOVIRUS B19
VARICELLA

VACCINATION

DIPHTHERIA
POLIOVIRUS
TETANUS

BACTERIAL RESPIRATORY INFECTIOUS

BORDETELLA PERTUSSIS*
CHLAMYDOPHILA PNEUMONIAE
LEGIONELLA PNEUMOPHILA
MYCOPLASMA PNEUMONIAE

VIRAL RESPIRATORY INFECTIOUS

ADENOVIRUS
INFLUENZA A
INFLUENZA B
RESPIRATORY SYNCYTIAL VIRUS

SEXUALLY TRANSMITTED DISEASES

CHLAMYDIA TRACHOMATIS
SYPHILIS

GASTROINTESTINAL DISEASES

HELICOBACTER PYLORI

INFECTIOUS MONONUCLEOSIS

EPSTEIN-BARR VIRUS

VECTOR TRANSMITTED DISEASES

BRUCELLA*
CHIKUNGUNYA
DENGUE (new)
ECHINOCOCCUS (new)
LEPTOSPIRA*
Q-FEVER II*
TOSCANA VIRUS
TOXOCARA (new)

ZOONOSIS

BORRELIA
TICK-BORNE ENCEPHALITIS VIRUS (new)

STOOL ANTIGENS

CALPROTECTIN
CLOSTRIDIUM DIFFICILE A/B TOXINS (new)
CLOSTRIDIUM DIFFICILE GDH Ag (new)
HELICOBACTER PYLORI Ag (new)

URINARY ANTIGENS

LEGIONELLA

BONE METABOLISM

25 OH VITAMIN D

AUTOIMMUNITY

RHEUMATOLOGY

ANA
anti-CCP
Cenp-B
ds-DNA
ENA
Jo-1
RF
Scl-70
SM
SN RNP-C
SS-A
SS-B
U1-70 RNP

THYROID

a-TPO
a-Tg
TG

THROMBOSIS

BETA 2-GLYCOPROTEIN
CARDIOLIPIN

HEPATOLOGY

AMA-M2
LKM-1

VASCULITIS

GBM
MPO
PR3

DIABETES

INSULIN

GASTROENTEROLOGY

ASCA
DEAMIDATED GLIADIN
GLIADIN
INTRINSIC FACTOR
tTg

ENDOCRINOLOGY

THYROID

TSH (new)
FT3 (new)
FT4 (new)

FERTILITY

FSH(new)
LH (new)
PRL(new)

*soon available

NIESSE
NIESSE



TECHNICAL CHARACTERISTICS

30 devices per run
Up to 30 different assays per run
Random access
Batch mode
Master curve procedure with 1 point calibration
Touch-screen LCD
Internal bar-code reader
Built-in-thermal printer
Multi-wavelength photometer: 450, 650 nm
Storage of all data of the last 20 session
Identi-System bar-code concept
Bidirectional connection to Host Computer (RS-232 serial port)
Dimensions (bench top required)
Size in mm (HxWxD): 450x660x520
Weight 45 kg
Line voltage: 110/220 v
Frequency: 50-60Hz
Power consumption: 360 W

cod. 81200 Chorus Trio
cod. 81220 Chorus Trio RAS (Ready for AutoSampler)

ACCESSORY AUTOSAMPLER

AUTOMATIC PIPETTING of samples into Chorus device and AUTOMATIC START of the run

Up to 30 PRIMARY TUBES on board

DISPOSABLE TIPS

INTERNAL BAR-CODE READER

COMPACT DESIGN

No extra room required
to UPGRADE your Chorus



TECHNICAL CHARACTERISTICS

US/CAN AC:110-120V 60 Hz - EUR AC:230V 50 Hz
Dimensions in cm: H x L x W = 65,6 x 35,6 x 28,2
Weight: 10 Kg

cod. 81210 AutoSampler
cod. 81215 AutoSampler Upgrade Kit



FOR ORDERS

Email: supplies@kumis.co.za

www.kumis.co.za