

Dia-CHEM SA Plus

Clinical Chemistry Analyser

TEST ITEMS

Liver Function	SGPT, SGOT, ALP, GGT, TP, ALB, TBIL, DBIL
Lipid profile	CHOL, TGL, HDL-C, LDL-C, Apo A1, Apo B, Lp (a)
Cardiac Profile	LDH, CK, CK-MB, α -HBDH (LDH1)
Kidney Profile	UREA, CREAT, UA, MICROPROTEIN
Electrolytes	Na^+ , K^+ , Mg^{++} , Ca^{++} , PO_4^{-3} (Pi), Cl^- , HCO_3^-
Diabetes	GLUCOSE, HbA_{1c}
Pacreatic profile	LIPASE, AMYLASE
Immunoturbidimetry	RF, ASO, CRP, MALB, hsCRP, IgE, FERRITIN, CYSTATIN-C
Others	ADA, IRON, ACE, COPPER, CHOLINESTERASE, ETHANOL, AMMONIA, HOMOCYSTEINE etc.



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SPECIFICATIONS

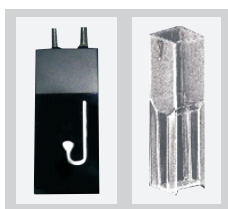
- Light source : 6V 10W, halogen lamp of more than 2000 hrs life time
- Spectrometer: Interference filter
- 7 in-built Filters (Wavelength : 340nm, 405nm, 492nm, 510nm, 546nm, 578nm, 630nm) and one free position
- Band width : +/- 2nm
- Stray Light : <0.5% (absorbance > 2.5)
- Absorbance Range : - 0.2000 ~ 4.5000
- Absorbance Linearity: +/-1%
- Absorbance Resolution: 0.0001
- Precision : $\leq 1.0\%$
- Carry Over : $\leq 1\%$
- Temperature : 25°C, 30°C, 37°C (+/- 0.2°C), Peltier controlled
- Flow Cell : Permanent quartz flow cell minimum volume is 32µL
- Sampling System : Pressure auto releasing pumps ensure the accuracy of suction volume, disposable flow cell is selectable
- Test method : End point, Fixed time, Kinetic, Factor, Multi-Standards, Bichromatic
- Parameter Setting : Patients profile and calculated item
- Aspiration Volume : 200µL ~ 3000µL
- **Reaction Curve: Real time display of reaction curve**
- Memory : 80 parameters, 10000 test results
- **10 incubator positions at 37°C +/- 0.3**
- QC: Auto draw QC figure
- Reagent : Open Reagent System
- Display : **7" color LCD**
- Input : Touch Screen
- Printer : Internal thermal printer
- Report Content : Absorbance, concentration
- Interface: RS - 232 serial port, able to connect computer and external printer
- Working Condition: Temperature 10°C ~ 30°C, Relative Humidity 20% ~ 80%
- Voltage: AC 85-284V, auto adoption according to the input voltage
- Power: <100W



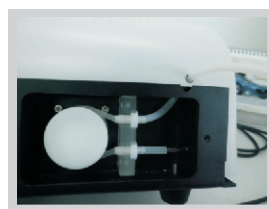
Real time display & printout of reaction curve



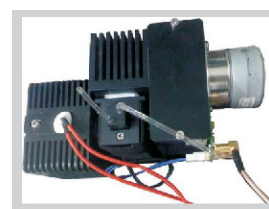
10 incubator positions



Flowcell & cuvette mode



Precise & sturdy pump



Closed assembly optical system



DIATEK

(An ISO 9001 : 2008 Company)

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