DW-TC6030 Automatic Chemistry Analyzer

Features

- Fully automatically, discrete, random STAT function
- Online test items:at most 40 testing items
- Throughput:260 tests/hour
- Analysis Method:end-point, kinetic, two-point, double - reagents,double-wavelength, multi-standard etc, open to various reagents
- Data Processinganemory up to 200,000 patients'data

Sample/Reagents Handling

- Sample Position:40 pcs(Include standard,QC,STAT positions)- Sample volume:2-50 l,0.1 l step
- Sample Probe Cleaning:automatic internal &extemal washing - Sample Dilution:automatic/Manual pre-dilution,
with dilution ratio up to 1:100
- Reagent Position:40 pcs(With refrigerated function, 2 -8)- Reagent Volume:10-500 l,1 l step
- Reagent Probe: automatic liquid level detect, with collision protection function
- Reagent Probe Cleaningautomatic internal & external washing

Reaction System

- Reaction Cuvette:90 pcs made of reusable plastic
- Optical Length of Cuvette:6mm
- Reaction Volume:200 500 I
- Reaction Time:8-10 minutes
- Reaction Temperature:37 ±0.1
- Mixing System:independent mixing stirrer

Optical System

- Light Source:halogen-tungsten lamp
- Wavelength:340-690nm, 9 wavelengths, precision ±2nm - Absorbance Range:0 4.0Abs
- Resolution 0.001Abs
- Spectrophotometry:rear spectrophotometry

QC

- Various QC managements, insert QC randomly; save, display & print QC chart; define different QC in advance Calibration
- Calibration:linear/nonlinear multi-points calibration
- Re-test: retest the sample automatically when the result is out of the linearity range or the sample is not sufficient

Washing System

- 8-step automatic washing, automatic cuvette dry function - Water Consumption:4L/hour

Working Condition

- Power Supply:–100-240V,50/60Hz,1KVA
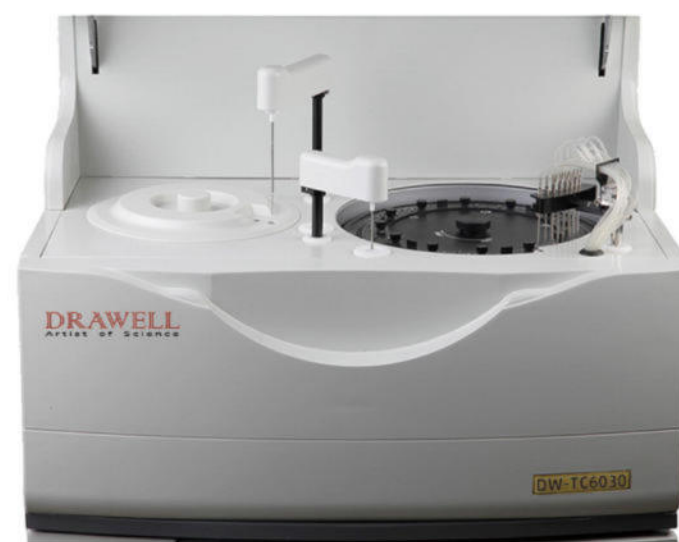
Operation System

Windows 7 or higher

Input and Output

- Input:RS-232 interface/ keyboard / computer
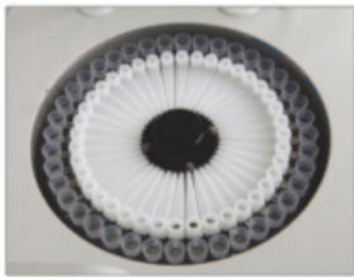- Output:multi-format printout

Dimension and Weight

- Instrument:700ˣ650×530mm, Weight:62kgs
- Bottom cabinet:700ˣ705ˣ620mm, Weight:47kgs

Packing Information

- Adopts wooden case
- Upper Cabinet G.W.:95kgs
- Bottom Cabinet G.W.:74kgs

Sample/Reagent Position

- 40 sample positions
- 40 reagent positions
- Reagents cooling function
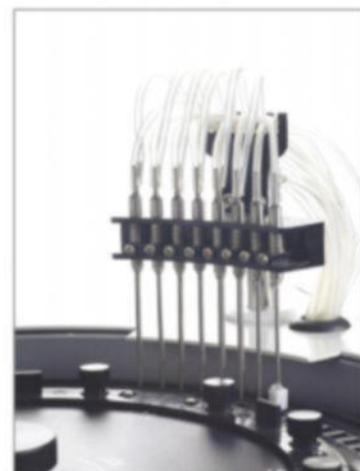- Primary tube and blood serum cup can be used

Reaction Cuvettes

- 90 reusable cuvettes
- Automatic blank testing for cuvette - Colorimetry system in the pattern of light splitting behind cuvette
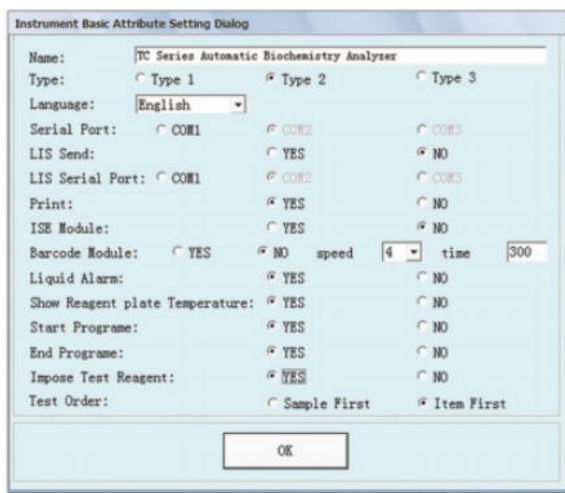- Dismountable, easily replace cuvette

Sample/Reagent/Mixing Probe

- Probe telflon coating technology - Automatic liquid level detect
- Collision protection function
- Independent mixing stirrer
- Probe intemal/extemal washing - Clot detection function
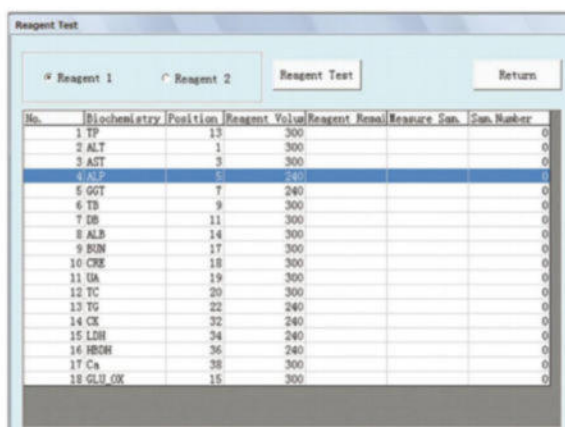

8-step auto washing System

- Automatic 8-step washing
- Automatic cuvette diy function
- Hi-tech washing station to ensure accurate test results
- With low water consumption: 4L/H

- Automatic washing cuvette when start up & shut down
- Test order setting program is available to avoid carry-over
- Automatic detect reagent volume during every startup
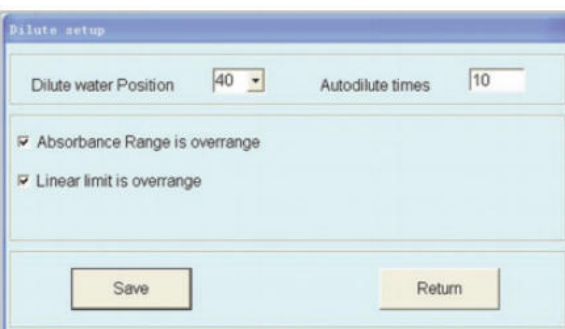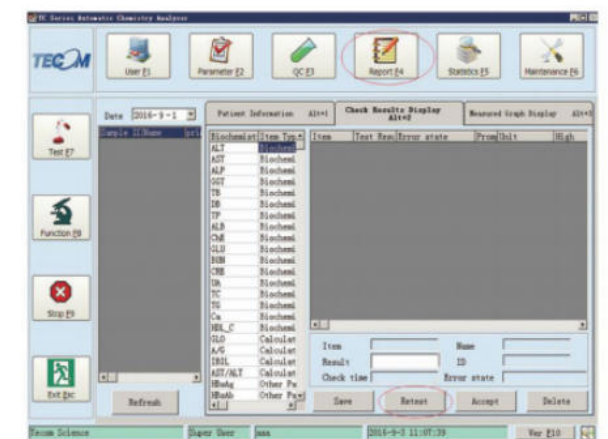- Show reagent plate temperature during every startup

Automatic Cuvette blank testing -
Automatic wash selected cuvettes -
Real-time online monitoring running status of cuvettes -

- Real-time online monitoring running status of sample tray, reagent tray and cuvette
- Real-time online monitoring reagents residual volume - Real-time online monitoring waste volume

Freely set the autodilute ratio when re-testing -
Re-testing mode is available -

- Automatic dilute and re-test when absorbance range is overrange
- Automatic dilute and re-test when linear limit is overrange
- Three modes(no dilute, autodilute and pre dilute)are available
- Freely set the autodilute ratio and dilute water position