

REAGENT

Hepatic Panel

| | |
|--------------------------------|-------|
| Alanine Aminotransferase | ALT |
| Aspartate Aminotransferase | AST |
| Alkaline Phosphatase | ALP |
| γ -Glutamyl Transferase | GGT |
| Cholinesterase | CHE |
| Total Bilirubin DSA Method | TB |
| Total Bilirubin VOX Method | TB-V |
| Direct Bilirubin DSA Method | DB |
| Direct Bilirubin VOX Method | DB-V |
| Bile Acids | TBA |
| Total Protein | TP |
| Albumin | ALB |
| Glutamate Dehydrogenase | GLDH |
| Iso-Citrate Dehydrogenase | ICDH |
| Leucine Aminopeptidase | LAP |
| Adenosine Deaminase | ADA |
| Prealbumin | PA |
| 5'-Nucleotidase | 5'-NT |

Renal Panel

| | |
|----------------------------|---------------|
| Urea | BUN |
| Uric Acid | UA |
| Creatinine Enzyme Method | CRE-E |
| Cystatin C | CYS-C |
| MicroAlbumin | MALB |
| β 2- Microglobulin | β 2-MG |
| N-Acetyl-D-Glucosaminidase | NAG |
| Total Protein In Urine | TPU |
| Retinol-Binding Protein | RBP |
| α 1-Microglobulin | α 1-MG |

Immune Panel

| | |
|------------------|-----|
| Immunoglobulin A | IgA |
| Immunoglobulin G | IgG |
| Immunoglobulin M | IgM |
| Complement C3 | C3 |
| Complement C4 | C4 |

Rheumatism Panel

| | |
|---------------------|-----|
| Anti Streptolysin O | ASO |
| Rheumatoid Factor | RF |
| C-Reactive Protein | CRP |

A Partner for Life
Auto-Chemistry Analyzer

Cardiac Panel

| | |
|--|-------|
| Creatinine Kinase | CK |
| Creatinine Kinase MB Isoenzyme | CK-MB |
| Lactate Dehydrogenase | LDH |
| α -Hydroxybutyric Dehydrogenase | HBDB |
| Homocysteine | HCY |
| Cardiac Troponin I | cTnI |
| Myoglobin | Mb |

Inorganic & Anemia

| | |
|--------------------------------------|--------|
| Calcium Arsenazo III Method | Ca-ARS |
| Calcium O-Cresolphthalein Complexone | Ca-CPC |
| Chloride | Cl |
| Magnesium | Mg |
| Inorganic Phosphorus | PHOS |
| Carbon Dioxide | CO2 |
| Zinc | Zn |
| Iron | Fe |
| Total Iron-Binding Capacity | TIBC |
| Transferrin | TRF |
| Ferritin | Fer |

Lipid Panel

| | |
|--------------------------------------|----------|
| Cholesterol | TC |
| Triglycerides | TG |
| High Density Lipoprotein-Cholesterol | HDL-C |
| Low Density Lipoprotein-Cholesterol | LDL-C |
| Apolipoprotein A1 | APOA1 |
| Apolipoprotein B | APOB |
| Lipoprotein (a) | LP (a) |

Pancreatitis Panel

| | |
|--------------------|-------|
| Amylase | AMY |
| Pancreatic Amylase | P-AMY |

Diabetes Panel

| | |
|---------------------------|--------|
| Glucose Oxidase Method | GLU-OX |
| Glucose Hexokinase Method | GLU-HK |
| Glycohemoglobin A1C | HbA1c |
| Fructosamine | FMN |

NEW CS-T240Plus

Auto-Chemistry Analyzer

Overall performance

| | |
|---------------------|--|
| Equipment type | Fully automatic, discrete, STAT priority |
| Analysis throughput | 240T/H; 480T/H combined with ISE |
| Test principle | Colorimetry, turbidimetry |
| Analysis method | End-point, kinetics, fixed-time, etc. |

Sample reagent unit

| | |
|-------------------------------|---|
| Sample/reagent position | Up to 80 positions |
| Sample cuvettes specification | Standard cup, original blood tube, multi-specification tube available (Φ 10~13)mm \times (75~100)mm |
| Sample reagent probe | Liquid level detection and collision detection |

Reaction unit

| | |
|------------------------------------|---|
| Reaction cuvette | 56 positions optical plastic cup |
| Total volume of reaction liquid | 100 μ l~360 μ l |
| Reaction temperature | 37°C |
| Reaction disk constant temperature | Air bath |
| Mixer | Mix immediately after adding reagent |
| Wastewater treatment | With the function of concentrated waste liquid level alarming |

Optical system

| | |
|--------------------|-------------------------|
| Light source | 20W/12V halogen lamps. |
| Monochromator | Grating photometry |
| Photoelectron road | After spectrophotometry |
| Wavelengths | 340nm~800nm |
| Detector | Photodiode LED array |



Calibration and QC

| | |
|---------------------------|---|
| Calibration method | 1 point linear method, 2 point linear method, multiple point linear method, non-linear method |
| Calibration tracking | Automatic description calibration K-value trends |
| QC method | Real-time QC, daily QC and monthly QC |
| Out of control processing | Alarming for out of control sample, record lost control reason |

Operating system

| | |
|---------------------------|---|
| PC operating system | Windows 7 or Windows 10 |
| Analysis control software | Graphical operating software English version |
| Report printing | Report formats support the user-defined mode, QC and state information etc. |
| System connection | TCP/IP network connection, standard RJ-45 |

Others

| | |
|--------------|--|
| Volume | 744mm \times 703mm \times 530mm |
| Weight | 100kg |
| Power supply | Voltage AC 100V-240V, 50/60Hz, power 600VA |

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NEXT GenWorks
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SMALL SIZE GREAT WISDOM

NEW CS-T240Plus

Auto-Chemistry Analyzer



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Defining tomorrow, *today.*

HIGH CAPACITY FLEXIBILITY

- High reagent and sample capacity
- Sample and reagent can be loaded flexibly
- All of reagents and samples could be read by barcode reader

THE ON-BOARD HEMOLYSIS FUNCTION

- Whole blood testing function for HbA1c to avoid artificial error
- Not necessary for centrifugation
- Automatic hemolysis function, easy operation and standardization for HbA1c test

ACCURATE RESULT

- 340-800nm 12 wavelengths
- Digital liquid level detection high sensitivity avoids bubbles' interference
- Reagent inventory management, automatically calculates remaining volume and remaining number

EXCELLENT PERFORMANCE

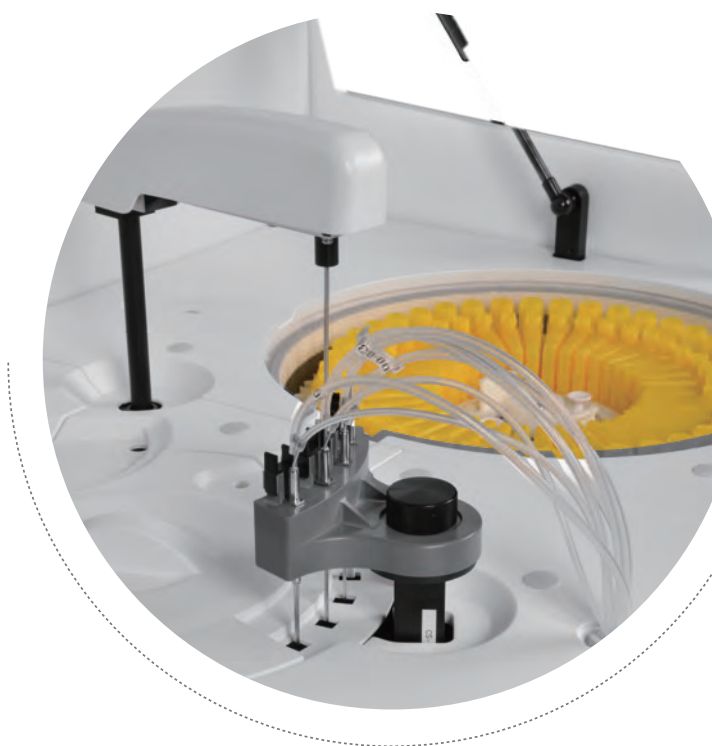
- Automatic cuvette checkup ensures the cuvette clean
- Collision Protection
- Water quality checkup
- RJ-45 Network communication

THE QUALITY CONTROL

- Daily QC, Monthly QC & QC chart
- Visual QC assessment
- QC history checking
- QC error analysis

SAVE COST SAVE SPACE

- Low water consumption
- Minimum reaction volume 100μl
- Minimum maintenance
- Small size, easy to place in narrow space



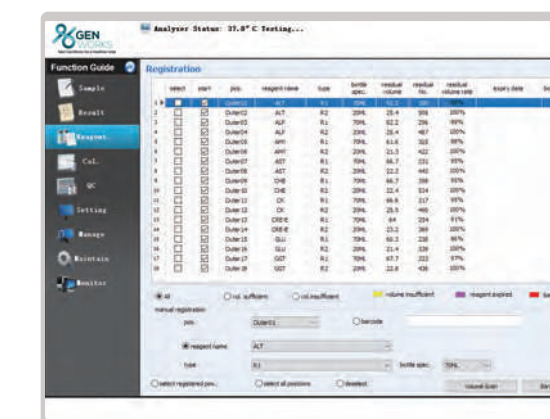
SOFTWARE

DIRUI provides friendly software interface and easy-to-use for all staffs.

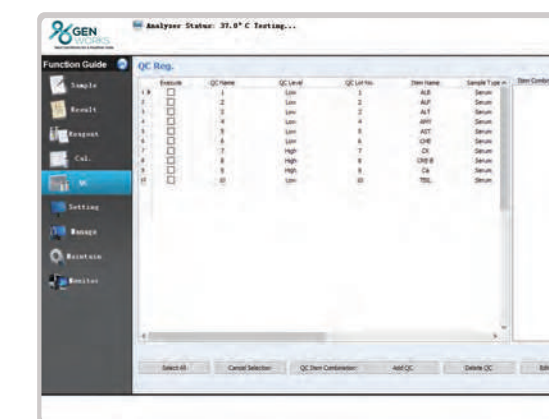
The result interface supports research results in real time, provides reaction analysis, and prints results or transmits to LIS (Laboratory Information System). DIRUI refers to West-gards rules, and generates QC chart and QC statistics for reliable patients results. The monitor interface displays full sample test status real-time.



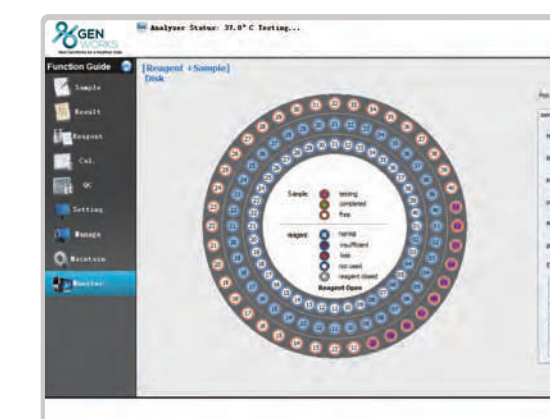
Search results easily by different conditions
Check the real-time reaction process
Print results and transmit results to LIS



Detect reagent remaining volume
Automatically calculates the remaining times.
Online reagent refilling function



The Quality Control generates QC chart
QC statistics and make it easy to identify QC errors.



Display full patient demographics.
View the sample reaction status in real time.