

## Specification

### Throughput

Constant 400 T/H

### Probe assembly

2 probes, ceramic syringe  
Liquid level detection  
Auto depth adjustment  
Interior and exterior probe wash  
Collision protection  
Sample volume: 2-30ul  
Reaction volume: 150-500ul

### Mixer assembly

2 mixers  
Nano-polished  
Silent mixing  
Carry over<0.1%

### Wash station

9-step wash  
White block to remove any bubble  
Water consumption: 15L/hour

### Photometer

Advanced grating technology  
Completely- sealed, maintenance-free  
Halogen tungsten lamp  
13 wavelengths: 340nm, 380nm, 412nm, 450nm,  
510nm, 546nm, 570nm, 605nm, 670nm, 700nm,  
740nm, 800nm, 850nm  
Absorbance: 0-4.0Abs

### Reaction disk

120 plastic cuvettes, semi-permanent  
Solid heating, stable at 37±0.1℃

### Reagent disk

90 reagent positions  
24-hour non-stop cooling  
Cooling at 2-12℃  
Internal barcode reader (optional)

### Sample disk

105 sample positions  
Compatible with primary tube, sample cup, etc  
Internal barcode reader (optional)

### Calibration

Linear (one-point, two-point and multi-point),  
Logit-Log 4P, Logit-Log 5P, Spline, exponential,  
Polynomial, Parabola

### Control

Westgard multi-rule, Levy-Jennings,  
Cumulative sum check, twin plot

### Operation unit

Win 7, Win 8  
Interface: Network port

### Working condition

Power supply: 100~240V, 50/60Hz, 1100VA  
Temperature: 15~30℃  
Humidity: 35~85%  
Dimension: 1100mm x 810mm x 1120mm (W x D x H)  
Weight: 210 Kg



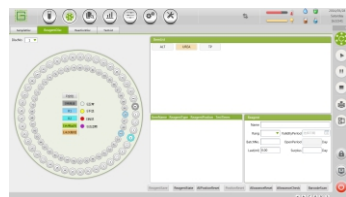
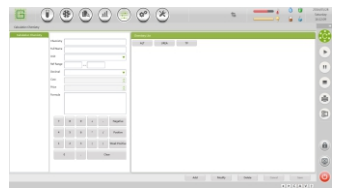
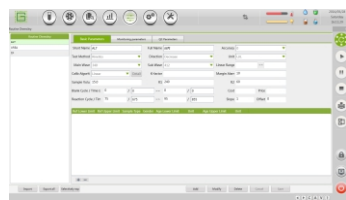
# GS 480A

Auto Chemistry Analyzer

## General feature

- Random access, fully automated, STAT
- Throughput: constant 400 T/H
- Maintenance-free grating photometer
- 24-hour non-stop cooling system
- 9-step wash system
- 120 plastic cuvettes, semi-permanent
- 90 reagent positions, 105 sample positions

## Intuitive software



## User-friendly interface

- New design software, easy navigation icon, which impresses the user in a comfortable way, make it super easy to operate
- One button to import and export parameters, avoid any mistakes in parameter setting
- Bilateral LIS interface transmission, providing an efficient way to transmit and check results

## Traceable test results

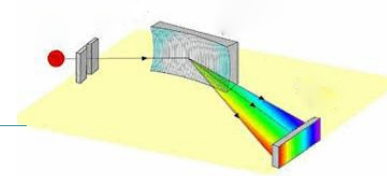
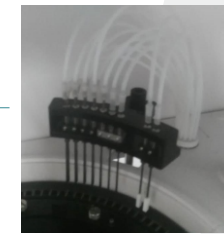
- Reagent, calibration and control data can be recalled from archive history
- Powerful statistics function, for example: computation of cost of calibrator, control, sample computation of different tests number, etc
- Results archive can be transferred to engineers for evaluation

## Real-time monitoring

- Real-time displaying reaction curve
- Real-time displaying remaining time for tests so that technician know when should come back to collect results
- Real-time monitoring reagent inventory status to remind if it is short of reagent
- Real-time monitoring purified water, waste water, lamp, etc



## Robust hardware



## Sampling and mixing module

- High quality ceramic syringe and nano material probe make its aspiration precision 0.1ul, which ensure trouble-free in aspiration of small volume sample
- Material of probe is made of stainless steel, ensure long life, also probe inside is coated with nano material for less droplet as well as less carry over
- Material of mixer is nano material, which make sure little droplet on the surface of mixer, minimize carry over between each test

## Enhanced liquid system

- Imported pump and valve to make less break-down for liquid system
- 9-step wash to make sure cuvette is cleaned completely for better performance
- Simple liquid system design for engineer easy to perform maintenance

## Reagent and sample holding module

- 90 positions for reagent and 105 positions for sample to assure more test items in batch tests, increase work efficiency
- 24-hour non-stop cooling at 2-12°C to allow reagent always in good condition for better results
- Random access for emergency sample for result in priority to help doctor reduce the time of diagnosis for seriously- ill patient
- Barcode scanner is an option to recognize sample and reagent automatically to release technician's workload

## Grating photometer

- Completely sealed optical system to make sure free interference, reduce cost in the long run
- Grating technology to generate 13 wavelengths accurately for more clinical tests
- Auto gain adjustment to assure stable optical system for precise readings of absorbance

## Complete diagnostic solution

- Independent reagent center allow us to dedicate in the R&D of reagent
- All facilities meet ISO 9001 and ISO 13485 standard
- Comprehensive selection of reagents, including Hepatic panel, renal panel, pancreatic panel, lipid panel, cardiac panel, etc
- Matched calibrators and controls are provided upon request

