

# Specifications

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## System function:

General: Automatic, discrete, random access  
STAT sample priority  
Throughput: Constant 240T/H, up to 300T/H  
Principle: Colorimetry, turbidimetry  
Methodology: End-point, fixed-time and kinetic

## Optical system:

Light source: Halogen tungsten lamp  
Photometer: Maintenance-free sealed photometer  
Wavelength: 8 wavelengths: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm  
Maximum Abs: up to 4.5 Abs, relative bias  $\leq \pm 2\%$

## Reagent/Sample handling:

Reagent/Sample tray: 60 reagent positions  
60 sample positions  
in cooling compartment (2 to 12°C)  
Barcode scanner: Sample barcode scanner (optional)  
Reagent volume: 20 to 450 ul, step by 0.1 ul  
Sample volume: 2 to 60 ul, step by 0.1 ul  
Reagent/Sample probe: Liquid level detection and tracking  
Collision protection  
Inventory checking  
Probe cleaning: Automatic interior and exterior wash  
Automatic dilution: Pre-dilution and post-dilution  
Dilution ratio up to 1:200

## Calibration and control:

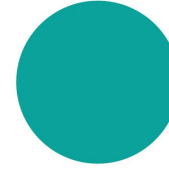
Calibration: Linear, Logit-Log 4P, Logit-Log 5P,  
Spline, Exponential, Polynomial  
Control: Westgard multi-rule, Cumulative sum  
check, Twin plot, L-J graph

## Working condition:

Operation system: Windows 7/8/10  
Connection to PC: Network port  
PC: Compatible with wide-screen  
Power supply: AC 100-240V, 50/60Hz,  $\leq 450VA$   
Temperature: 10-30°C  
Humidity: 30-85% RH  
Water consumption:  $\leq 8.4$  L/H  
Dimension: 880mm (W) x 650mm (D) x 570mm (H)  
Weight: 90kg

## Reaction system:

Cuvette: 81 reusable cuvettes  
Reaction volume: 150 to 500 ul  
Reaction temperature: 37.0  $\pm$  0.1°C  
Mixer: Independent mixing bar  
Cuvette washing: Auto washing station



# INOCA-300A

## Auto Chemistry Analyzer



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**INOVALAB**  
TECHNOLOGY

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# INOCA-300A

## Auto Chemistry Analyzer

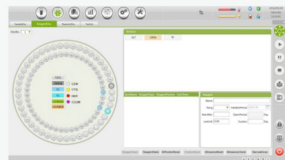
300A Plus is one of the best bench-top chemistry analyzers, which is flexible for small to medium sized laboratories. By utilizing latest innovations, it's a perfect combination of small footprint and outstanding performance.

### General features

Random access, fully automated, STAT  
 Constant 240T/H, up to 300T/H  
 60 reagent positions and 60 sample positions  
 81 reaction positions  
 Auto washing station

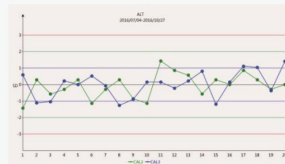
### Optional

Sample barcode scanner



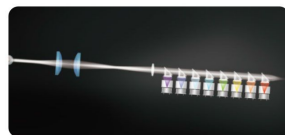
### ▶ User-friendly software

Easy operation with intuitive navigation  
 One click to import data and backup  
 Auto dilution and rerun



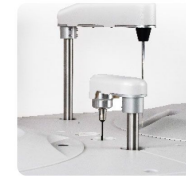
### ▶ Powerful functions

Reagent management, easy to know remaining tests, volume, expired date  
 Results distribution statistics, help to analyse local reference range  
 Multi-QC graphs: Westgard, Cum sum, Twin plot  
 Support LAN and Ethernet RJ45 communication with PC



### ▶ Optical system

Halogen tungsten lamp with >2000H life time  
 Completely sealed spectrophotometer by filter  
 Simultaneous dual-wavelength measurement  
 Auto gain adjustment to assure stable optical system



### ▶ Sampling system

One probe and one mixer bar  
 Auto depth adjustment  
 Liquid level detection  
 Collision protection



### ▶ Sample & reagent disk

24-hour reagent refrigeration  
 60 reagent positions  
 60 sample positions with STAT priority



### ▶ Reaction system

81 reaction cuvettes  
 Constant solid heating  
 Reaction temperature  $37 \pm 0.1^\circ\text{C}$   
 Minimum reaction volume 150  $\mu\text{l}$   
 Auto washing station

### ▶ Real-time monitoring

Reagent inventory monitoring  
 Realtime water blank test  
 Realtime dirty cuvette detection

### ▶ Complete diagnostic solution

Dedicated reagent R&D center  
 All facilities meet ISO 9001 and ISO 13485 standard  
 Comprehensive test menu, including hepatic, renal, lipids, cardiac, pancreatic, diabetes, anemia, etc  
 Calibrators and controls are provided upon request

