

# SPECIFICATIONS

## SYSTEM FUNCTION

Analyzer Type	Random access, fully automatic specific protein analyzer
Throughput	Up to 160 test per hour
Measuring Principle	Rate nephelometry, Rate turbidimetry

## SAMPLE & REAGENT SYSTEM

Sample Type	Serum (Plasma), Urine, CFS
Sample Volume	2-50ul (0.1ul increments)
Sample Disk	40 Positions
Probe	Liquid level detection, vertical and horizontal collision protection
Reagent Volume	R1: 150-450ul, R2:10-300ul (1 ul increments)
Reagent Disk	40 positions with cooling system
Reagent Bottles	Compatible with Olympus and Hitachi reagent bottles
Mixer	High-polished nano material
Dilution	Pre-dilution and post-dilution

## REACTION SYSTEM

Cuvette	81 cuvettes
Reaction Temperature	37±0.1℃
Heating	Metal thermostat for reaction disk

## OPTICAL SYSTEM

Light Source	Laser light, LED light
Detection Wavelength	Laser light (670nm), LED light(940nm)
Detector	Nephelometry detector, Turbidimetry detector

## CALIBRATION & QC

Calibration Mode	Factor, Linear, Logit-4P, Logit-5P, Spline
Quality Control	Westgard multi-rule, Cumulative sum check, Twin-Plot

## OPERATION SYSTEM

Operating Interface	Windows XP / 7/ 10
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## POWER & CONNECTIVITY

Power Requirement	AC 100-240V, 50/60Hz
Power Consumption	350VA
LIS Connectivity	Bi-directional LIS

# TD24

Fully Automatic  
Specific Protein Analyzer



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 Auto Specific Protein Analyzer

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 **HETO**

# TD24

## Auto Specific Protein Analyzer

## CHARACTERISTIC

- Fully automatic specific protein analyzer with original reagent packs, calibrator, control and complete testing flow ensure the stability, accuracy and high throughput.
- Reagent pack with barcode printed offers reagent information including name, lot No., serial No., expired date, volume and frequency of calibration, easy and convenience to set up reagent.
- Ready to use reagent, calibrator and control, free from time-consuming preparation work, easy to operate.

- High-quality materials, reliable reagents.
- Original calibrator ensure all testing result can be traceable to reference system of IFCC, BCR, NIST, WHO and other authoritative organizations.
- Original control keep monitoring the performance of the analyzing system, ensure accurate and reliable results.
- Original reagent meet the needs of both immunoassay and clinical laboratory development, also optimize the process and quality management systems.

### Reaction System

81 high light transmittance reaction cuvettes  
Metal thermostat ensures stable temperature  
Reaction temperature:  $37 \pm 0.1^{\circ}\text{C}$

### Sample & Reagent Disk

24 hours reagent refrigerator:  $4-12^{\circ}\text{C}$   
Noise free water cooling design  
40 positions for reagent  
40 positions for sample with STAT priority

### Anti-Contamination Design

6-Step wash station washes cuvettes with wash solution  
Automatic sample/reagent probe washing  
Intelligent anti-contamination program

### Sampling System

High polished nano material sample/reagent probe  
High accuracy ceramic syringe  
Auto depth adjustment  
Liquid level detection, vertical and horizontal collision protection  
Maintenance free rotor with stable movement

### Calibration & QC

Multiple calibration mode  
Advanced algorithm to obtain best calibration curve  
Multi QC rules: Westgard, Cumulative sum check, Twin plot

### Real-time Monitoring

Reaction curve, calibration test curve and QC test curve  
Sample, reagent and reaction cuvette status  
Lamp intensity, distilled water tank and waste tank status  
Reaction disk and reagent disk temperature



## TEST MENU

### Autoimmune Diseases

- IGA
- IGG
- IGM
- C3
- C4
- KAP, Free KAP
- LAM, Free LAM
- CRP
- HPT
- PFB
- RF

### Immune Dysfunction

- IGA
- IGE
- IGG
- IGM
- IgG1~4 Subtype
- KAP
- LAM
- C3
- C4
- CRP
- CRPH

### Liver Disease

- AAT
- AT3
- CER
- C3
- C4
- IGA
- IGM
- TRF
- PAB

### Renal Function

- MA
- IGU
- TRU
- A1M
- AMG
- $\beta 2$ -Micro globulin
- CystatinC

### Inflammatory Status

- ALB
- AAG
- AAT
- CER
- CRP
- HPT

### Rheumatoid Arthritis & Streptococcal Infections

- RF
- CRP
- ASO
- DNB
- $\beta 2$ -Micro globulin

### Neurological Diseases

- ALB
- AMG
- IGG
- IGALC
- IGMLC

### Cardio Vascular Risk Assessment

- APA
- APB
- LPAX
- CRPH

### Coagulation

- AT3
- PFB
- C3
- C4

### Anemia

- AT3
- FER
- TRF
- HPT

### Nutritional Status Monitoring

- FER
- ALB
- TRF
- PAB

### Newborn Screening

- AAT
- CRP
- PAB

