

# NANOMAX

LAB TECHNOLOGY



# COMAX

Fully Automatic Specific Protein Analyzer

# SPECIFICATION

## SYSTEM FUNCTION

Analyzer Type	Random access, fully automatic specific protein analyzer
Throughput	160 test per hour ( maximum 240 test )
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)
Mixer	High-polished nano material
Dilution	Pre-dilution and post-dilution

## REACTION SYSTEM

Cuvette	81 cuvettes
Reaction Temperature	37±0.1°C
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



# CHARACTERISTIC

## Reaction System

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

## Anti-Contamination Design

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

## Sample & Reagent Disk

- 24 hours reagent refrigerator: 4-12C
- Noise free water cooling design
- 40 positions for reagent
- 40 positions for sample with STAT priority

## 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

## 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

## Calibrator & QC

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



- 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.
- Original calibrator ensure all testing result can be traceable to reference system of IFCC. BCR. NIST. WHO and other authoritative organizations.
- Original reagent meet the needs of both immunoassay and clinical laboratory development, also optimize the process and quality management systems.

- Ready to use reagent, calibrator and control, free from time-consuming preparation work, easy to operate.
- High-quality materials, reliable reagents.
- Original control keep monitoring the performance of the analyzing system ensure accurate and reliable results.





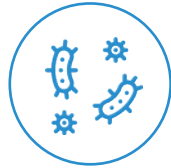
## Autoimmune Diseases

- 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
- AIM
- AMG
- $\beta$ 2-Micro globulin
- CystainC



## Rheumatoid Arthritis & Streptococcal Infections

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



## Inflammatory Status

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



## 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 Monitorin

- FER
- ALB
- TRF
- PAB



## Newborn Screening

- AAT
- CRP
- PAB

## PACKING LIST

DESCRIPTION	PACKAGE (CTNS)	QUANTITY (UNIT)	PACKING METERIAL	N.W.(KG)	G.W.(KG)	MEASUREMENT(CM)		
						L	W	H
Specific Protein (Model: COMAX)	1	1	Plywood	78.5	123	119	80	80.3
Standard Accessory box	1	1	Carton box	6	8	47	44.5	45.5
Total	2				131		0.86	CBM

