

The small, but most versatile **Nephstar®**

Specific protein analysis system



Nephstar®

Is a bench-top nephelometry analyzer.
An ideal instrument for medium and small laboratories.
Can be used as STAT OR back up analyzer in big labs.

Features

- POCT nephelometer with simple procedure, rapid quantitative result
- Wide test menu, 29 assays available
- Electronic pipette included
- Maintenance free
- Latex-enhanced technology increases sensitivity
- Auto calibration and blank reading
- No incubation needed
- A magnetic card is supplied enabling a batch specific calibration curve to be loaded into the NEPHSTAR
- Calibrated against the International Reference Material CRM470
- Temperature controlled reaction chamber

Technical Specification

Principle	Fixed-time Nephelometry
Dimensions	260mm*167mm*125mm
Light Source	Diode laser (670nm class II)
Storage Temperature	0~40°C
Operation Temperature	15~30°C
Printer	Built-in thermal printer
PC interface	RS232 interface
Sample Volume	10 ~ 40ul
Measuring Time	20 seconds to 3 minutes
Communication Protocol	HL7
Keyboard	Numeric and functional Keys (16keys)
Power supply	100~220VAC 50/60Hz
Net weight	2.8KG

Assays available

Immune Disease		Acute Phase Protein		Cardiovascular Disease	
Product Name	Assay Range	Product Name	Assay Range	Product Name	Assay Range
IgA	0.25 ~ 5.0 g/L	Blood CRP	1.0 ~ 350 mg/L	Albumin	6 ~ 120 g/L
IgG	2.0 ~ 25 g/L	Ultra sensitive CRP	0.25 ~ 18 mg/L	Prealbumin	0.05 ~ 1.3 g/L
IgM	0.25 ~ 4.5 g/L	CRP	2.0 ~ 150 mg/L	Apo A1	0.25 ~ 4.0 g/L
C3	0.2 ~ 4.5 g/L	Haptoglobin	0.2 ~ 3.5 g/L	Apo B	0.25 ~ 5.0 g/L
C4	0.07 ~ 2.0 g/L	Transferrin	0.3 ~ 6.0 g/L	Antithrombin III	0.06 ~ 0.75 g/L
ASO	50 ~ 600 IU/mL	Ceruloplasmin	0.1 ~ 2.5 g/L	D-Dimer	0.3 ~ 15 mg/L
RF	20 ~ 300 IU/mL	α1 Antitrypsin	0.3 ~ 2.5 g/L		
C1 inactivator	0.06 ~ 1.0 g/L	α1 Acid Glycoprotein	0.3 ~ 4.0 g/L		
κ light chain	1.0 ~ 12 g/L				
λ light chain	0.7 ~ 7.0 g/L				
Kidney Disease		Diabetes			
Product Name	Assay Range	Product Name	Assay Range		
Urine microalbumin	10 ~ 220 mg/L	*HbA1c	3% ~ 15%		
Beta 2 Microglobulin	0.5 ~ 12 mg/L				
α2 Macroglobulin	0.35 ~ 7.0 g/L	Packsize (all parameters) : 50 test			
Cystatin C	0.4 ~ 7.5 mg/L	*Packsize HbA1c : 25 test			

Simple Procedure

1



Place the sample cuvette into chamber

2



Dispense reaction buffer and antiserum simultaneously into the cuvette by electronic pipette

3



Test result available within 20 to 120 seconds depending on respective assays