

System Description:

Designed for clinical laboratories, Omlipo is a random access, bench top, fully automated Immuno-Nephelometry System

Methods:

Fixed time immunonephelometry

Operative Mode:

Batch, random, STAT

Throughput

Up to 100 tests/hour

Sample Position:

26 positions. STAT sample available

Sample Containers:

Primary tubes (diameter from 8 to 16mm; height up to 100mm), Cups of different sizes

Sampling:

Sample volume: 6 µL-20 µL (1 µL incr)
Automatic sample probe washing (internal and external)
Probe wash cycle is operator-programmable

Minimum Reaction Volume:

230 µL

Reagents:

30 positions available for reagent, Auto Reagent Identification, Reagent disk with non-stop cooling functions

Control:

Auto drawing of control Levey-Jennings and Westguard QC chart

Reaction Cuvettes:

50 disposable, optic grade cuvettes

Reaction Temperature:

Constantly and precisely monitored(37°C ±0.1)

Optic Module:

Laser 670nm 1mW

Optional Accessories:

Printer, Barcode reader

Power Requirements:

100-240VAC, 50/60 Hz

Dimensions and Weight:

Height: 60cm, Width: 55cm, Length: 65cm
Weight: 60kg

Operating Environment Requirements:

Room temperature:18-32°C, Relative humidity: 30-85%

Assays available

Immune Disease		Acute Phase Protein		Cardiovasclar Disease	
Assay	Linear range	Assay	Linear range	Assay	Linear range
IgA	0.23-5.10 g/L	bCRP	0.9-380.0 mg/L	ALB	5-124 g/L
IgG	1.8-26.0 g/L	UsCRP	0.22-19.00 mg/L	PAB	0.04-1.34 g/L
IgG 1	0.5 - 30 g/L	CRP	1.6-152.0 mg/L	ApoA1	0.24-4.10 g/L
IgG 4	0.05 - 3.5 g/L	SAA	3-200 mg/L	ApoB	0.24-5.20 g/L
IgM	0.18-4.60 g/L	HPT	0.15-3.80 g/L	AT3	0.06-0.75 g/L
C3	0.19-4.70 g/L	TRF	0.25-6.10 g/L	D-Dimer	0.28-15.70 mg/L
C4	0.06-2.20 g/L	CER	0.1-2.5 g/L	Lp(a)	60-1200 mg/L
ASO	41-607 IU/MI	AAT	0.27-2.60 g/L	Kidney Disease	
RF	20-306 IU/mL	AAG	0.28-4.10 g/L		
KAP	0.88-12.20 g/L	Diabetes		Assay	Linear range
LAM	0.65-7.10 g/L			mALB	9.5-230.0 mg/L
Free KAP	5.0 - 200 mg/L	Assay	Linear range	BMG	0.4-13.0 mg/L
Free LAM	5.0 - 200 mg/L	HbA1c	2.8%-15.5%	AMG	0.28-7.20 g/L
				A1M	5-200 mg/L
				IgGU	4-100 mg/L
				TRFU	1-80 mg/L
				Cys C	0.4-7.6 mg/L
				RBP	5-160 mg/L



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Omlipo®

Fully Automatic Specific Protein Analyzer



Omlipo®

Maximize your demand with Omlipo. The instrument designed for high-volume labs by Goldsite Diagnostics Inc.



Features

- Throughput: 100 tests/ hour
- 26 positions for samples
- 30 positions for reagents
- Auto identification of reagents by RFID technology
- On-board reagent cooling
- Probe with liquid level detection and collision protection
- Automatic Antigen Excess detection
- Broad test menu, more than 35 assays available
- Desk-top PC along with analyzer



① Smart Pipetting System

3D transferring arm

Probe with liquid level detection and collision protection

Auto tracking of reagent residual to ensure the continuity of analysis

②

User-friendly Sampling System

26 sample positions

Both standard blood collection tube and centrifuge tube can be placed in sample disk

STAT samples can be inserted and it's prior to routine samples



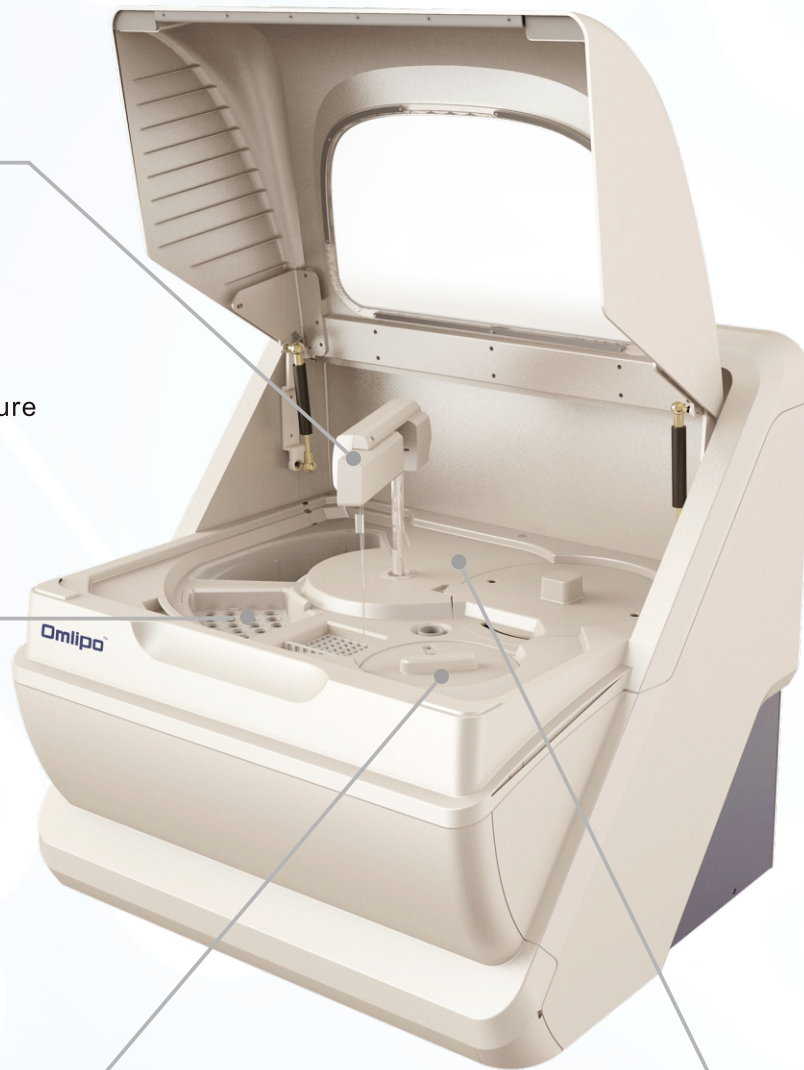
③ Auto Reagent System

30 positions for reagent

Reagent disk with non-stop cooling functions

Reagent can be auto-identified by RFID technology

Ready to use, liquid reagent

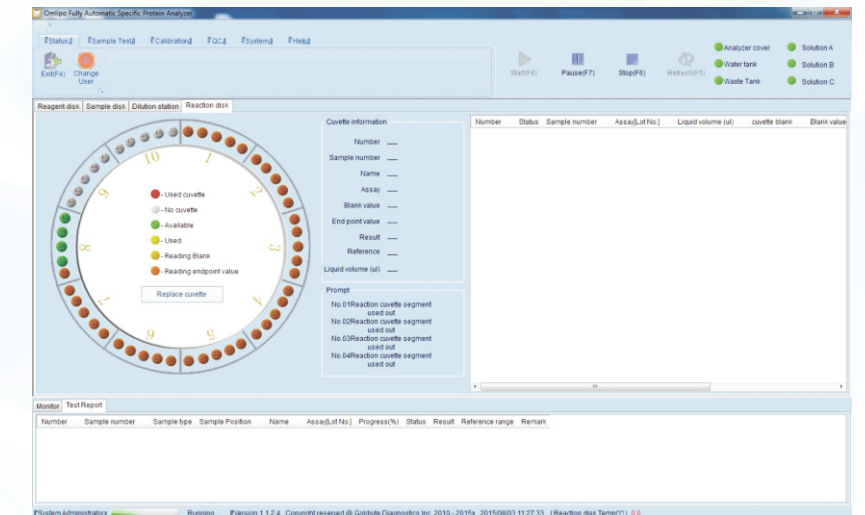


④

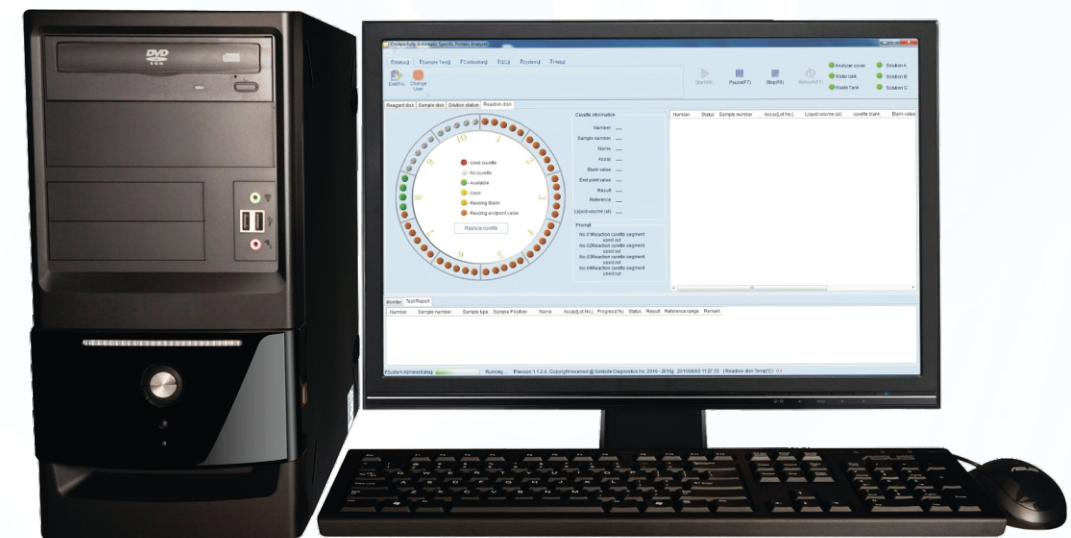
Carefree Cleaning System

Probe can be washed by external-internal way

Intelligent Software



- ★ Intuitive operator interface
- ★ Quick view of real-time running status
- ★ Levey-Jennings QC charts
- ★ STAT programming



⑤

Precise Dispensing System

Teflon piston technology, longer duration
Dispensing CV%<1%

⑥

Control Unit

Smart information management system
with mass data storage
Can be connected to LIS by Protocol HL7