

## Menu

### Thyroid

T3  
T4  
TSH  
FT3  
FT4  
Anti-TG  
Anti-TPO  
TG  
PTH  
rT3\*

### Fertility

FSH  
LH  
Prolactin  
β-hCG  
AMH  
SHBG  
DHEA  
17 α-OHP  
Estradiol  
Testosterone  
Progesterone

### Anemia

Ferritin  
FA  
VB12

### Bone Metabolism

OST\*  
CT\*  
25-OH VD  
PTH

### Pre-Natal

f-β-HCG  
P-AFP  
u-E3  
PAPP-A  
Inhibin-A\*

### Tumor marker

AFP  
CEA  
CA50  
CA125  
CA15-3  
CA19-9  
β2-MG  
CA72-4  
SCCA  
NSE  
CYFRA 21-1  
PSA  
fPSA  
HE4  
CA242\*  
PGI\*  
PGII\*  
ProGRP\*  
Ferritin  
PIVKA-II

### Cardiac Markers

CK-MB  
cTnI  
MYO  
NT-proBNP  
BNP\*  
Trop T

### Hepato fibrosis

Col IV  
PIII NP  
HA  
LN  
CG

### Diabetes

Insulin  
C-Peptide

### Infectious disease

HIV Ag/Ab Combo  
Anti-HCV  
Anti-TP  
HAV IgM  
HEV IgG  
HEV IgM

### Hepatitis B

HBsAg  
HBsAb  
HBeAg  
HBe-IgM  
Anti-HBs  
Anti-HBe  
Anti-HBc  
HBV PreS1-Ag  
Anti-HBc IgM

### TORCH

Toxo IgG  
Toxo IgM  
Rubella IgG  
Rubella IgM  
CMV IgG  
CMV IgM  
HSV-1 IgG  
HSV-1 IgM  
HSV-2 IgG  
HSV-2 IgM

### Tropical Diseases

Dengue IgG  
Dengue IgM  
Dengue NS1  
Chikungunya-IgM\*  
Malaria Ag  
Leptospira IgM\*  
Typhoid\*  
Filariasis Ab  
Scrub typhus Ab

### RTI & Other infection

*Mycoplasma pneumonia* IgG\*  
*Mycoplasma pneumonia* IgM\*  
*Chlamydia pneumonia* IgM\*  
Anti-Respiratory Syncytial Virus\*  
Adenovirus IgM\*  
Enterovirus71 IgM\*  
Coxsackie Virus IgM\*  
Influenza A Virus IgM\*  
Influenza B Virus IgM\*  
Anti-Parainfluenza IgM Virus\*

### SARS-CoV-Panel

SARS-CoV-2 IgG  
SARS-CoV-2 IgM  
Anti-SARS-CoV-2 RBD  
SARS-CoV-2 NAb(Quantitative)

### Inflammation

hS-CRP  
Helicobacter pylori IgG  
Helicobacter pylori IgM\*  
PCT  
IL-6

### Coagulation

D-Dimer

### Hypertension

Cortisol  
ACTH  
Cortisol  
Renin  
Angiotensin II

### Growth

IGF-1  
HGH

### Others

TB-IGRA  
IGE

# AutoLumo S900

“Touching Human Lives Through Innovation”



Fully Automated Chemiluminescence  
Immunoassay Analyzer

Infinity in Limited Size

### Autoimmune

<b>ANA</b>	<b>Anti-dsDNA IgG</b>	<b>Anti-CCP IgG</b>	Anti-CL*	Anti-β2-GP1 IgA*	Anti-GBM IgG*	IAA IgG*
Anti-SS-A/Ro IgG*	Anti-Jo-1 IgG*	<b>RF</b>	Anti-CL IgA*	Anti-β2-GP1 IgG*	AMA-M2 IgG*	ICA IgG*
Anti-Ro-52 IgG*	Anti-Sm IgG*	<b>RF IgM</b>	Anti-CL IgG *	Anti-β2-GP1 IgM*	Anti-gp210 IgG*	IA-2A IgG*
Anti-SS-B IgG*	Anti-nRNP/Sm IgG*	<b>RF IgG</b>	Anti-CL IgM*	Anti-PR3 IgG*	Anti-sp100 IgG*	ZnT8A IgG*
Anti-Scl-70 IgG*	Anti-rib P IgG*	<b>RF IgA</b>	Anti-β2-GP1*	Anti-MPO IgG*	GADA*	

(\*Coming Soon)

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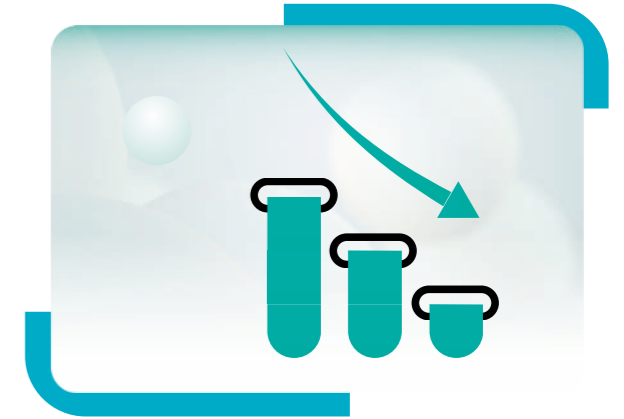
## 01 Small but Efficient

- Automatic CLIA system
- Ultra-high throughput, space efficiency is up to 392 T/h/m<sup>2</sup>
- Up to 16 items for one sample at one time
- 3 independent physical STAT channel



## 05 Cost-saving of Consumables

- Steel probe instead of disposal tips for sample pipette
- Less wash buffer consumption
- Independent cooling system, power saving and time saving



## 02 Long Walk Away Time

- Large capacity of reaction vessels, 1000 pcs by pouring
- Consumables replenishment in low frequency
- One set of substrate supports 2000 tests



## 06 Long Term Planning

- Comprehensive test menu: 150+ items and continuous update
- Special items: TB-IGRA, autoimmune panel, tumor markers, ToRCH



## 03 Simple Operation

- Touchscreen interface
- Random access of reagent and sample loading
- Visual management of consumables
- Independent reagent refrigerator in sleep mode



## 04 Precise and Reliable Result

- Special-designed wash station
- Five-stage swimming magnetic separation cleaning
- Eccentric non-contact vortex mixing technology
- Support anti-collision detection, liquid level detection, air aspiration and probe blockage detection functions



## Specification

- Touch Screen Operation: 15.6 inch screen
- Throughput: 180 T/h, 392 T/h/m<sup>2</sup>
- Time to 1<sup>st</sup> Result: 19 mins
- RV Loading Capacity: 1000 pcs, continuous loading
- Sample Loading Capacity: 51 samples including 3 independent STAT positions
- Sample Pipette Volume: 8-150  $\mu$ L
- Sample Dilution Factor: up to 2601-fold
- Anti-collision detection, liquid level detection, air aspiration and probe blockage detection
- Onboard Reagent Capacity: 16 positions, continuous reagent loading with appointment
- Onboard Reagent Storage: 2-8 °C, 24 h independent cooling in sleep mode
- Reagent Scanning: RFID
- Incubation Temperature: 37  $\pm$  0.3 °C
- Sample Probe Carry-over:  $\leq$  0.1 ppm
- Size (W\*D\*H) : 576 x 796 x 654 mm
- Weight: 85 kg