

## CLIA Microparticles

### Tumor Markers

AFP	CA242
CEA	HE4
tPSA	ProGRP
CA50	PIVKA-II
fPSA	G-17
CA125	HER-2/neu*
CA15-3	S100*
CA19-9	Pepsinogen I
Ferritin	Pepsinogen II
NSE	CYFRA 21-1
SCCA	β2-Microglobulin
CA72-4	

### Infectious Diseases

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

### Endocrine Hormone

LH	PRG
FSH	DHEA-S
PRL	SHBG
Testosterone	17α-OHP
E2	AMH

### Inflammation Monitoring

hs-CRP	D-Dimer
PCT	Lp-PLA2*
IL-6	

### HBV

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

### ToRCH

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

### Diabetes

Insulin	C-peptide
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### Hepato Fibrosis

PIIINP	HA
Col IV	CG
LN	

### Growth Hormone

IGF-1	IGFBP-3
HGH	

### Thyroid

T3	Anti-TPO
T4	TG
TSH	PTH
FT3	rT3
FT4	TRAb
Anti-TG	

### Hypertension

Aldosterone	Renin
ACTH	Angiotensin II
Cortisol	

### Pre-natal

Free β-HCG	uE3
P-AFP	PAPP-A
β-HCG	Inhibin A*

### Respiratory Disease

M.pneumoniae IgM	L.pneumophila IgM
M.pneumoniae IgG	Enterovirus 71 IgM
C.pneumoniae IgM	Coxsackie B IgM
RSV IgM	Influenza A IgM
Adenovirus IgM	Influenza B IgM

### Cardiac Markers

MYO	hs-cTnT
cTnI	BNP
CK-MB	H-FABP
NT-proBNP	

### EBV

VCA-IgA*	VCA-IgG*
EA-IgA*	NA-IgA*
EA-IgG*	NA-IgG*
VCA-IgM*	

### Bone Metabolism

Osteocalcin	25-OH Vitamin D
Calcitonin	PTH

### Autoimmune Liver Disease

Anti-gp210 IgG	AMA-M2 IgG
Anti-sp100 IgG	

### Antiphospholipid Syndrome

Anti-β2-GP1	Anti-CL
Anti-β2-GP1 IgA	Anti-CL IgA
Anti-β2-GP1 IgG	Anti-CL IgG
Anti-β2-GP1 IgM	Anti-CL IgM

### Connective Tissue Disease

ANA IgG	Anti-SS-A/Ro IgG
Anti-dsDNA IgG	Anti-Ro-52 IgG
Anti-SS-B IgG	Anti-Scl-70 IgG
Anti-Sm IgG	Anti-Jo-1 IgG
Anti-rib P IgG	Anti-nRNP/Sm IgG

### Vasculitis

Anti-PR3 IgG	Anti-MPO IgG
Anti-GBM IgG	

### Rheumatoid Arthritis

Anti-CCP IgG	RF IgG
RF	RF IgA
RF IgM	

### Autoimmune Diabetes

IAA	IA-2A
GADA	ICA

### Anemia

Folate	Ferritin
Vitamin B12	

### Tuberculosis

TB-IGRA
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### Allergy

tIgE
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HEXAGONAL WARRIOR



HEXAGONAL WARRIOR

# DESIGN AS WHAT YOU CARE ABOUT



## 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 as well
- 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

## 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

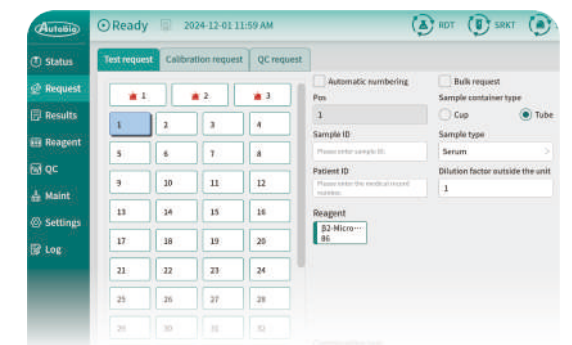


## 02 Long Walk Away Time

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

## 03 Simple Operation

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

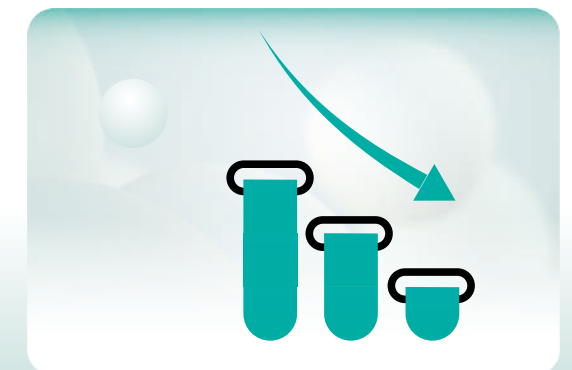


## 04 Precise and Reliable Result

- 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

## 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



## 06 Long Term Planning

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