

CHEMILUMINESCENCE IMMUNOASSAY ANALYZER CIA4000



150
T/H



CIA4000

150 T/H

Test time for the first sample **12** min

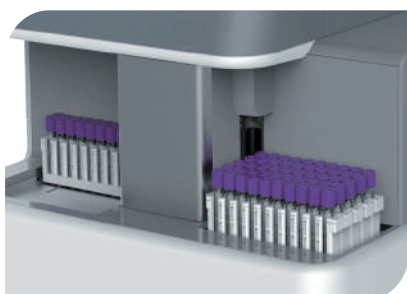
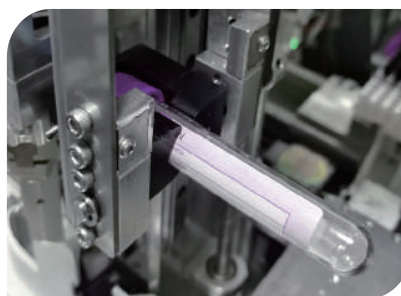


Reagent Unit Unit 1

- 14 reagent positions, supporting on-board loading
- Automatic recognition of reagents by QR code scanning
- 2-8°C refrigeration system, with one-month shelf life of reagents on board
- PE-film puncture technique, preventing reagents evaporation

Sampling Unit Unit 2

- Auto mixing and uncapping of sample tubes
- Adding sample with disposable tips to avoid cross contamination
- Liquid level detection function, adding sample more accurately



Sample Unit Unit 3

- 10 sample racks; 50 positions
- Video recognition system, acquiring real status of sample liquid level and avoiding inaccurate sampling caused by bubbles
- Emergency sample test in priority

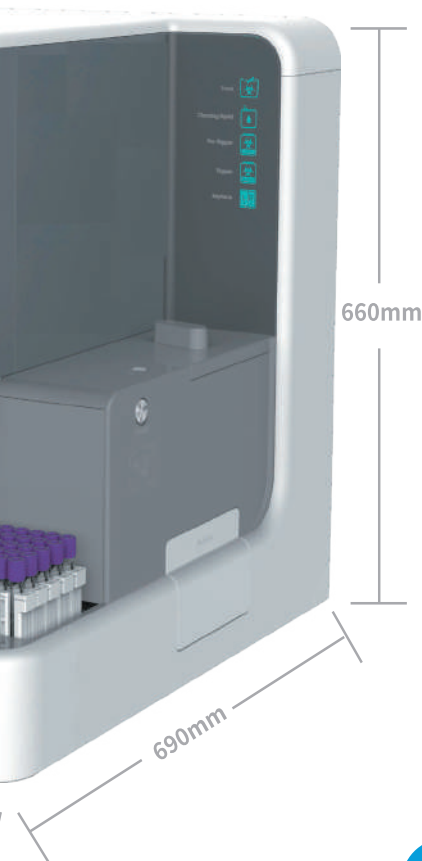
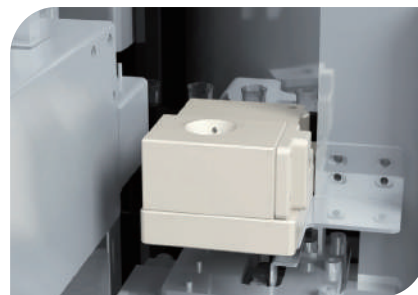


Technical Specifications

- **Test Principle:** Acridinium ester direct chemiluminescence
- **Sample Positions:** 50. Supporting on-board loading
- **Sample Type:** Whole blood/Serum/Plasma/Urine
- **Scenarios:** Laboratory/Emergency/ ICU/Outpatient
- **Test Mode:** Batch/Random/STAT
- **Data Transmission:** LIS/HIS connectivity
- **Sensing Functions:** Liquid level detection, bubble detection, probe clogging detection, temperature monitoring, consumables inventory monitoring

Unit 4 HCT Unit

- HCT testing calculates the serum volume, ensuring the accuracy of whole blood sample test.

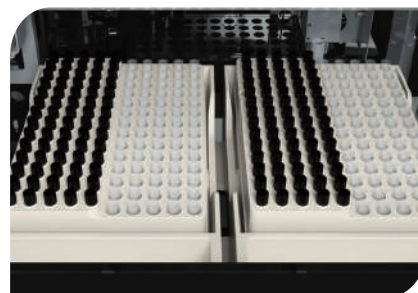


Unit 5 Test Unit

- Combining washing station, test station and incubation station in one unit
- Small size with high throughput
- Unique design of washing station, excluding whole blood factors influence

Unit 6 Consumable Unit

- Integrated dual consumable module
- Continuous consumable change without test pauses for easy operation



Test Items

Reproduction/ Fertility

Testosterone
Estradiol
Progesterone
LH
FSH
PRL
UE3
HCG+ β
AMH
SHBG
*Free- β -HCG

Tumor Markers

Ferritin
ProGRP
HE4
SCC
CA72-4
NSE
fPSA
AFP
CEA
tPSA
CA50
CA125
CA15-3
CA19-9
CYFRA21-1
CA242
PG I
PG II
G17
*AFP-L3

Diabetes Care

C-Peptide
Insulin
IAA

Cardiovascular Markers

hs-cTnI
hs-cTnT
NT-proBNP
BNP
Myo
CK-MB
D-Dimer
HbA1c
*Lp-PLA2
*ST2
*H-FABP

Thyroid Markers

T₃
T₄
FT₃
FT₄
TSH
TG-Ab
TPO-Ab
TG
*TRAb

Infectious Disease

HCV
TP
HBsAg
Anti-HBs
HBeAg
Anti-HBe
Anti-HBc
*HIV

Bone Metabolism

Osteocalcin
25-OH-VD
PTH

Inflammatory markers

PCT
IL-6
SAA
*CRP

Hypertension

Cortisol
Renin
*ACTH
*ALD
*AT- II

Liver Fibrosis

LN
HA
CIV
CG
*PIIIP N-P

Down' s Syndrome

UE3
HCG+ β
AFP

Brain Damage

NSE
*S100

Others

GH
Cortisol
IgE
*NGAL

Items with* are coming soon.