

Test Panels

Cardiac Marker

Myo
CK-MB
cTnl
hs-cTnl
NT-proBNP
D-Dimer
HCY *

Anemia

Ferritin
Vitamin B12
Folate

Growth

hGH
IGF-I *
IGFBP-3 *

Metabolism

C-peptide *
Insulin *
Cortisol *
ACTH *

Reproductive Health

Prolactin
E2
LH
Testosterone
Progesterone
FSH
HCG
AMH
Inhibin B
SHBG
DHEA-S

Alzheimer's Disease

A 40 *
P-Tau217 *
NFL *
T-tau *
P-Tau181 *
A 42 *

Thyroid

TSH
FT4
FT3
T4
T3
Tg
Anti-Tg
Anti-TPO
Anti-TSHR

Inflammation

PCT
IL-6
SAA *
CRP *
HBP *

Allergy

Total IgE *

Liver Health

CHI3L1

Autoimmunity

ANA
dsDNA
Anti-CCP
RF
tTg IgG
tTg IgA
DGP IgG
DGP IgA
GADA
IAA
IA-2A
ICA
ZnT8A

Bone Metabolism

25-OH Vitamin D

Tumor Marker

PG I
PG II
Gastrin 17
CEA
AFP
CA 125
CA 15-3
CA 19-9
PSA *
fPSA *
AFP-L3% *
PIVKA-II *

* Without CE

Specifications

Model	iStar 500
Detection Principle	Acridinim-ester direct chemiluminescence
Throughput	36 T/H
Time to first result	11 mins
Auto Sampling Position	5
Sample Types	Serum, Plasma, Urine, etc.
Sample Volume	5-150 uL
Reagent Position	6 x 2
Reaction Vessel Capacity	24 x 2
Interface	10.1" build-in multi-color touch screen
Incubation Temperature	37.0 ± 0.3°C
Communication Ports	Network port, com port, support bi-direction LIS
Dimensions	550 mm(W) x 570 mm(D) x 680 mm(H)
Weight	55 kg



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P/N: ENG-C043-202209



iStar 500

Chemiluminescence Immunoassay Analyzer

Flexibility Meets Accuracy

iStar 500

Chemiluminescence Immunoassay Analyzer Flexibility meets Accuracy

iStar 500 is a highly-automated mono-test analyzer based on chemiluminescent immunoassay (CLIA) technology. The compact and integrated design with the addition of highly sensitive CLIA technology make it an ideal choice for emergency diagnosis or small to medium labs looking for highly accurate testing results.



Compact design

- Smart reagent strip
- Mini size reagent kit
- Bench top analyzer



High efficiency

- Throughput speed is up to 36 T/H
- First result come in 11 minutes



Outstanding flexibility

- Mono-test reagent strip
- Multi-parameter consecutive testing



High automation

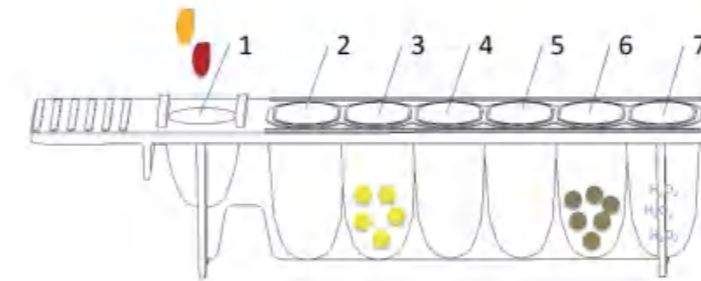
- Auto-sampling and automatic cup grabbing
- Real-time monitoring consumption
- Supporting bi-direction LIS



Accurate results

- Acridium easter luminescence, the sensitivity $< 10^{-18}$
- Anti-contamination washing system
- Non-contact mixing

Reagent Strip



1. Sampling position
3. Acridinium-ester-labeled antigen/antibody conjugate
6. Magnetic particles coated with antigen/antibody
7. Pretrigger--H₂O₂
- 2,4,5. Components vary among parameters



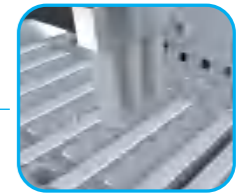
10.1" Touch screen

with user-friendly software



Independent membrane-punching awl

avoid cross-contamination



Auto sampling inner & outer high-pressure cleaning

liquid level detection / air suction detection / clot detection



Multi-stage temperature control

ensures the reaction temperature to be 37.0 ± 0.3



4-Step magnetic separation

to maximally wash away interferences

