

Test Panels

Cardiac Marker	Reproductive Health	Thyroid	Autoimmunity	Tumor Marker
Myo	Prolactin	TSH	ANA	PG I
CK-MB	E2	FT4	dsDNA	PG II
cTnl	LH	FT3	Anti-CCP	Gastrin 17
hs-cTnl	Testosterone	T4	RF	CEA
NT-proBNP	Progesterone	T3	tTg IgG	AFP
D-Dimer	FSH	Tg	tTg IgA	CA 125
Hcy	HOG	Anti-Tg	DGP IgG	CA 15-3
Anemia	AMH	Anti-TPO	DGP IgA	CA 19-9
Ferritin	Inhibin B	Anti-TSHR	GADA	PSA
Vitamin B12	SHBG	Inflammation	IAA	IPSA
Folate	DHEA-S	PCT	IA-2A	APP-L3%
Growth	CH13L1	IL-6	ICA	PIVKA-II
HGH	Allergy	SAA	ZnT8A	Glycometabolism
IGF-1	Total IgE	CRP	Bone Metabolism	C-peptide
IGFBP-3		HBP	25-OH Vitamin D	Insulin

Specifications

Model	iStar 500
Detection Principle	Acridinium-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" built-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) × 570 mm(D) × 680 mm(H)
Weight	55 kg

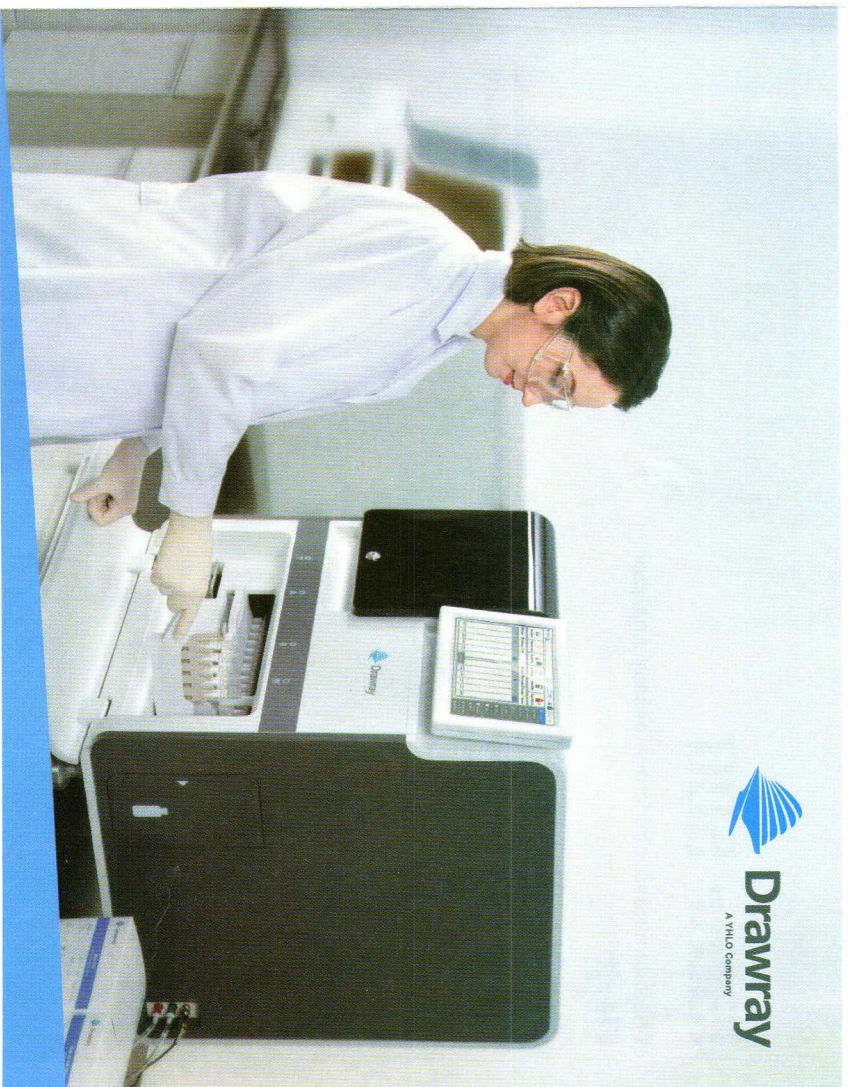


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iStar 500

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



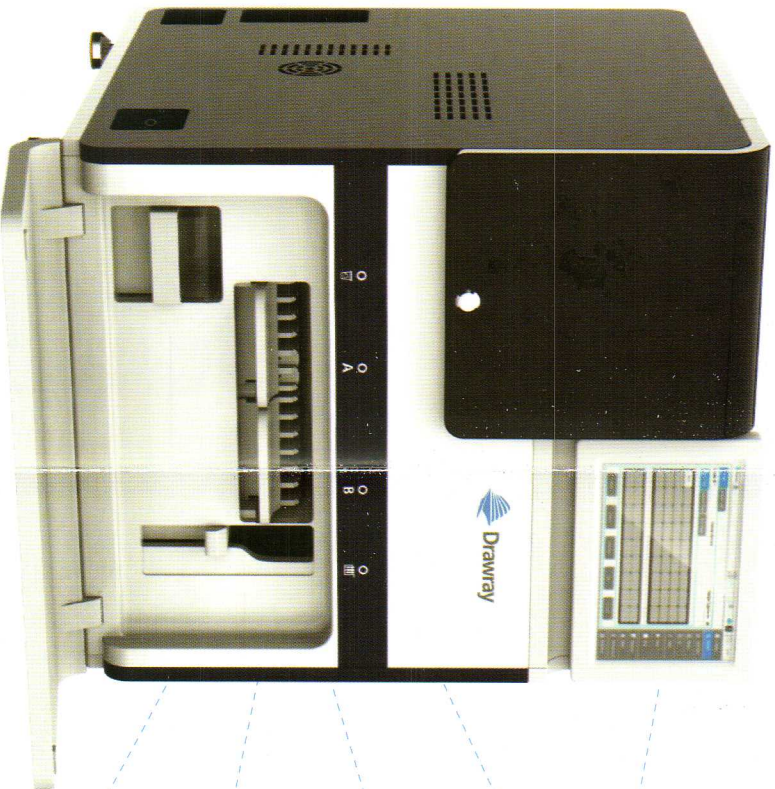
High automation

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

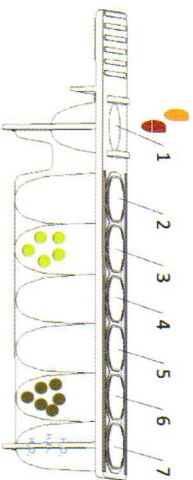


Accurate results

- Acridium ester luminescence, the sensitivity <math>< 10^{-16}</math>
- Anti-contamination washing system
- Non-contact mixing



Reagent Strip



1. Sampling position
3. Acridium-ester-labeled antigen/antibody conjugate
6. Magnetic particles coated with antigen/antibody
7. Petrieger-H₂
- 2,4,5. Components vary among parameters

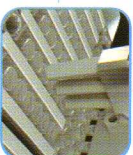
10.1" Touch screen

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

