

Clinical testing

Cardiac

cTnl	CK-MB
MYO	NT-proBNP
Lp-PLA2	

Coagulation

D-Dimer

Fertility

AMH

Preterm Birth Prediction

fFN

Renal Function

NGAL

COVID-19

2019-nCoV Antigen
2019-nCoV Neutralizing Antibodies

Inflammation

PCT	CRP
SAA	IL-6
CRP+SAA	

Rheumatoid Arthritis

Anti-CCP

Liver Disease

CIV	LN
HA	PIIINP

Bone Metabolism

25-OH Vitamin D

Diabetes

HbA1c*

Thyroid

TT3*	TT4*
FT3*	FT4*
TSH*	

Public safety

DOA (Specimen:Hair)

KET	MET
MOP	

Mycotoxins

AFB1	ZEN
DON	OC
FMN	T-2

Infectious Disease

ZIKV	H5
FLuB	FLuA
EV71	Ebola

Food Borne Bacteria

FB	VP
V.C.O139	V.C.O1
Salmonella	E.C.O157
S. Typhi.	S.Para.C
S.Para.B	S.Para.A
S.Enteri.	S.Choler.
L.Monocy.	S.aureus

*Coming Soon

Hotgen



UPT-2800

UP-CONVERTING PHOSPHOR IMMUNOASSAY ANALYZER



UPT2800



Features

ACCURATE

- High sensitivity, no background interference
- Small CV
- Quality controls available, reliable accuracy.

QUICK

- Throughput up to 180T/H, reading results in 20 seconds.

RELIABLE

- Stable luminescence, no decay

VERSATILE

- Portable size, easy to operate
- Adaptable to IVD, public safety, and industrial scenarios
- Low maintenance requirement



UPT2800

Technical Principle

Up Converting Phosphor Technology (UPT) is based on immunochromatographic technology using rare earth nano upconversion luminescent particles (UCP particles) as biological tracers. Excited by low-energy invisible infrared light, the UCP particles emit high-energy visible light, because of anti-Stokes effect. The instrument combines precision instrument with immune reactions, realizing quick detection of test objects both qualitatively and quantitatively through the conversion of optical signals.

Traditional FIA



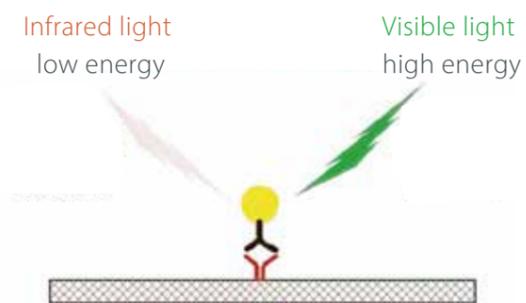
signal/noise ratio affected

Patented UPT



high signal/noise ratio

Rare Earth Nano Upconversion Luminescent Particles (UCP)



Test Procedure



Application



HOSPITAL



LABORATORY



CLINICS



CLINICAL DEPTS

Technical Parameters

Assay Method	Up-converting phosphor technology-based lateral flow assay
Result	Quantitative
Language	English/German/Chinese
Display	8 inch touch screen
Detection speed	Getting results in 20 seconds.
Printer	Internal thermal printer
Storage memory	10,000 test results
Power supply	AC 100-240V, 50 ~ 60Hz
Working environment	Temperature: 10 °C ~ 30 °C; Humidity: ≤ 85%; Atmospheric pressure: 86 kPa ~ 106 kPa
Transportation and storage environment	Temperature: -40 °C ~ +55 °C; Humidity: ≤ 85%; Atmospheric pressure: 86 kPa ~ 106 kPa
Dimension	355mm×315mm×270mm (L*W*H)
Weight	5.6Kg
Data management	LIS/HIS connection