

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



UPT2800

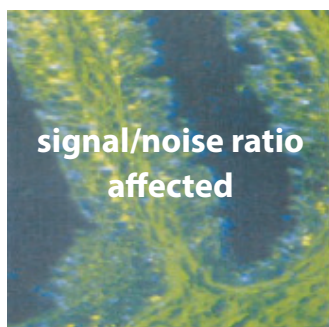
VERSATILE

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

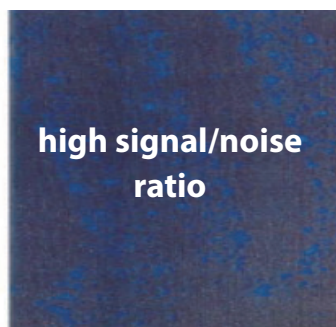
Technical Principle

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.

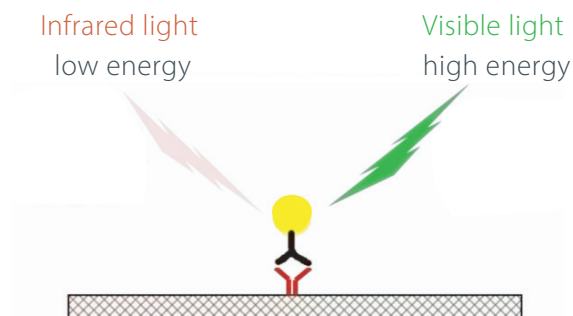
Traditional FIA



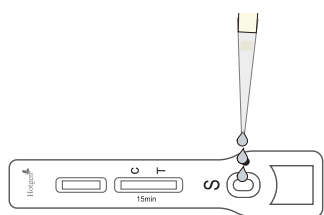
Patented UPT



Rare Earth Nano Upconversion Luminescent Particles (UCP)



Test Procedure



Add sample



Incubation
(inside/outside the analyzer)



Start testing



Get result and print out

Application



HOSPITAL LABORATORY



LABORATORY

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 ~ 106kPa
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

Test Menu

Panel	Parameter	Qualification	Sample Type	Panel	Parameter	Qualification	Sample Type	
Cardiac	cTnI	NMPA, CE IVDR	S/P/WB	Rheumatoid Arthritis	Anti-CCP	NMPA, CE	S	
	cTnT	NMPA	S/P/WB		Covid-19	2019-nCoV Antigen	NMPA, CE	S/P/WB
	CK-MB	NMPA, CE	S/P/WB	2019-nCoV Neutralizing Antibodies		NMPA, CE	S/P/WB	
	H-FABP	NMPA, CE	S/P	Bone Metabolism		25-OH Vitamin D	NMPA, CE IVDR	S/P/WB
	MYO	NMPA, CE	S/P/WB		Immunoglobulins	IgE		S/P/WB
	NT-proBNP	NMPA, CE IVDR	S/P/WB	DOA (Specimen: Hair)		KET	NMPA, CE	Hair
	Lp-PLA2	NMPA, CE	P		MET	NMPA, CE	Hair	
	D-Dimer	NMPA, CE	P		MOP	NMPA, CE	Hair	
	Inflammation	cTnI/CK-MB/MYO	NMPA, CE IVDR	S/P/WB				
		cTnI/NT-proBNP	NMPA, CE IVDR	S/P/WB				
CRP		NMPA, CE IVDR	S/P/WB					
PCT		NMPA, CE IVDR	S/P/WB					
IL-6		NMPA, CE	S					
SAA		NMPA, CE	S/P/WB					
Hepatic Disease	CRP/SAA	NMPA	S/P/WB					
	PCT/IL-6	NMPA	S/P/WB					
	CIV	NMPA, CE	S					
	LN	NMPA, CE	S					
	HA	NMPA, CE	S					
	PIIINP	NMPA, CE	S					
	AFP	NMPA, CE IVDR	S					
Diabetes	GP73	NMPA, CE	S/P					
	TIMP-1	NMPA, CE	S					
	C-P	NMPA, CE IVDR	S/P					
	INS	NMPA, CE IVDR	S/P					
Sex Hormone	ADP	NMPA	S/P					
	HbA1c	CE IVDR	WB					
	AMH	NMPA, CE IVDR	S					
	InhibinB	CE	S					
	FSH		S/P					
Thyroid	LH		S/P					
	E2		S/P					
	TT3	CE IVDR	S/P					
	TT4	CE IVDR	S/P					
	FT3	CE IVDR	S/P					
Preterm Birth Prediction	FT4	CE IVDR	S/P					
	TSH	CE IVDR	S/P					
Renal Function	fFN	NMPA, CE	Cervical and vaginal secretions					
	NGAL	NMPA, CE	S/Urine					
	mAlb	CE	S/Urine					

• Available • Coming soon

Beijing Hotgen Biotech Co., Ltd.

Add: No.55, Qingfeng West Road, Daxing District, Beijing, 102629, P.R. China

Tel: +86 400-815-1117

Email: sales@hotgen.com.cn

Website: www.hotgenbiotech.com

3.0

