

### NT-proBNP----A biomarker of heart failure

Hotgen NT-proBNP Test Kit(Up-converting Phosphor Technology)

- Linear range: 5 ~ 35000pg/ml
- Sample: Serum, whole blood

### Lp-PLA2----High specificity predictor of Cardio-cerebrovascular severe events

- Lp-PLA2 is specific marker of vascular inflammation
- High levels of Lp-PLA2 predicts atherosclerotic plaque rupture more easily
- Reflect the severity of plaque, effectively discern benign and malignant plaques
- Independently predict cardio-cerebrovascular diseases caused by atherosclerosis
- Dynamic change reflect treatment effect: Supplementary guidance for the clinical therapy and curative effect of patients with cardio-cerebrovascular diseases

### Hotgen Lp-PLA2 Test Kit(Up-converting Phosphor Technology)

- ◆ Linear range: 5 ~ 800ng/ml
- ◆ Sample: plasma

### UPT-3A Test Items

Cat. NO.	Test Items	Specimen	Format	Sensitivity	Reaction Time Outside	Test Time Inside	Linear Range
<b>Cardio-cerebrovascular Diseases</b>							
HGUPT01	Lp-PLA2	Plasma (anticoagulant: sodium citrate)	Cassette	5ng/ml	15min	10 seconds	5-800ng/ml
HGUPT02	NT-proBNP	Serum/Whole blood (anticoagulant: EDTA or heparin sodium)	Cassette	5pg/ml	15min	10 seconds	5~35000pg/ml
HGUPT03	cTnI	Serum/Whole blood (anticoagulant: EDTA)	Cassette	≤0.1ng/ml	15min	10 seconds	0.1~40ng/ml
HGUPT04	MYO	Serum/plasma	Cassette	2.5ng/ml	15min	10 seconds	5~500ng/ml
HGUPT05	CKMB	Serum/plasma	Cassette	0.5ng/ml	15min	10 seconds	1~80ng/ml
HGUPT06	H-FABP	Serum/plasma	Cassette	≤1ng/ml	15min	10 seconds	1~100ng/ml
HGUPT07	D-Dimer	Plasma(anticoagulant: sodium citrate)	Cassette	≤25ng/ml	15min	10 seconds	50~2000ng/ml
<b>Infection Diseases</b>							
HGUPT08	PCT	Serum/Plasma/Whole blood (anticoagulant: EDTA or heparin sodium)	Cassette	0.01ng/ml	20min	10 seconds	0.01~50ng/ml
HGUPT09	IL-6	Serum	Cassette	3pg/ml	15min	10 seconds	3~4000pg/ml
HGUPT10	CRP	Serum/Plasma/Whole blood	Cassette	≤0.5mg/L	3min	10 seconds	0.5~150mg/L
<b>Rheumatoid Arthritis</b>							
HGUPT11	Anti-CCP	Serum	Cassette	25RU/ml	15min	10 seconds	25~1600RU/ml
Note:	Storage: 4~30°C, Shelf Life: 18months, Package: 40T/Box						

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CFDA FSC



Beijing Hotgen Biotech Co., Ltd.

Pioneer in **POCT** & Innovative Diagnostics

# UPT-3A

Up-converting Phosphor Immunoassay Analyzer

Precise & Quantitative



# UPT-3A

## Up-converting Phosphor Immunoassay Test System >>>>

### Principle:

Up-converting Phosphor Technology(UPT) is a kind of immune detection technology that combine Immunochromatographic principle with photoelectric conversion principle. It uses Up-converting Phosphor Particles(UCPs) as tracer, after being excited by infrared light, the UCPs emit visible light, achieving the up-conversion of energy. Then get quantitative detection of the test sample rapidly via the conversion of light signals.

### UPT-3A Up-converting Phosphor Immunoassay Analyzer Luminescence Fully-quantitative POCT Immunoassay Analyzer



### Features:

- Unique "Up-converting Phosphor" Technology
- Luminescence method, Fully quantitative
- Reagent stored at 4~30°C, no need of refrigeration
- Easy operation
- Rapid, get results in 3~20 minutes
- Multi-item detection
- Single or bulk test(can reach 100 Tests/Hour)
- Compact analyzer
- Accurate results can be comparable with the Central Lab.
- Support print results directly or upload to the Hospital LIS system

### Test Items

- Cardio-cerebrovascular Diseases:  
cTnI, CK-MB, MYO, H-FABP, NT-proBNP, D-dimer, Lp-PLA2;
- Infection Diseases: PCT, CRP, IL-6;
- Premature delivery: fFN;
- Liver Diseases: AFP, GP73;
- Kidney Diseases: NGAL;
- Rheumatoid Arthritis: Anti-CCP.

### Application departments

Clinical laboratory, Cardiology Dept, Emergency Dept, Oncology dep Pediatrics dept, ICU, Pneumology dept, Pneumology dept, Nephrology dept, Respiratory dept, etc.

### Operation procedure



### PCT ----- A good biomarker of inflammation

Hotgen PCT Test Kit(Up-converting Phosphor Technology)

- Luminescence method fully-quantitative high sensitivity PCT
- Meet the needs of low PCT value of Respiratory department
- Hotgen PCT lowest detection limit: 0.01 ng / ml
- Linear range: 0.01 ~ 50ng/ml
- Sample: Serum, plasma, whole blood