

Hipro®

2 patents for invention
11 patents for utility model
8 patents for design



Nephelometry

Biochemistry

Turbidimetry

Immunofluorescence



A1
Model: HP-AFS/1



A3
Model: HP-AFS/3



A1-pro
Model: HP-AFS/1-pro

Simple Operation



Collect sample

1



Insert into Cuvette

2

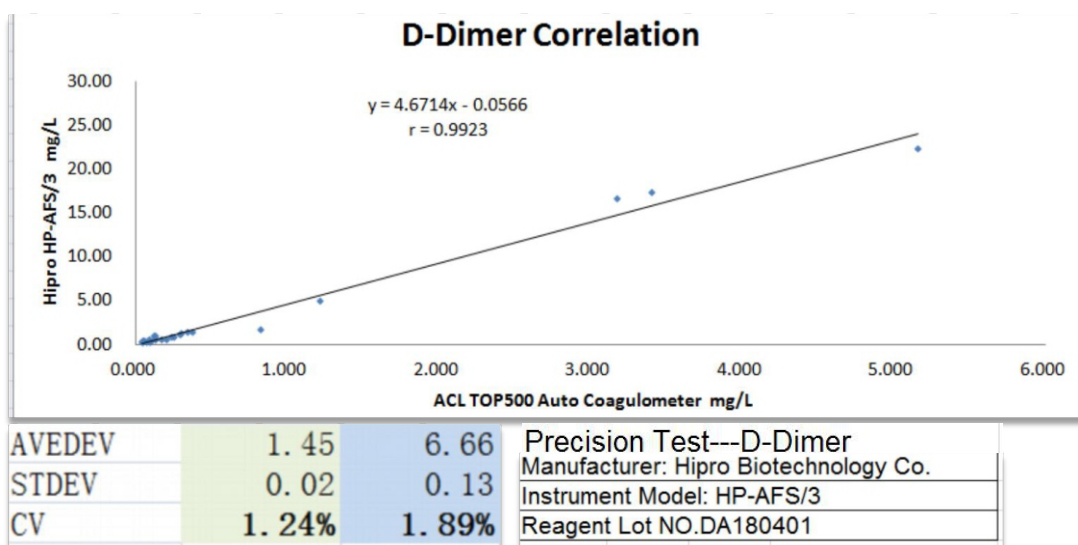


Insert into channel

3

SAS-Cov-2	D-Dimer	HbA1c	PGII	Tumor marker
2019-nCoV IgM / IgG Antibody	HDL-C	Crea	HP	AFP
SAS-Cov-2-Antigen	TG	mALB	G17	CEA
Infection	BNP	Cys-C	Liver function	Microelement
CRP	NT-ProBNP	α 1-MG	PA	25'-VD
hs-CRP	TCHO	β 2-MG	TRF	Ferritin
PCT	FER	NGAL	ADA	BAP
SAA	HCY	RBP	Autoimmunity	GH
HBP	cTn I	Rheumatism	IgA	BGP
Cardiovascular	MYO	ASO	IgM	25-OH-VD
H-FABP	LDL-C	RF	IgE	
CK-MB	MPO	Anti-CCP	IgG	
LP (a)	cTnT	Gastric Function	Hormone	
Lp-PLA2	Renal function	PGI	HCG	

Hipro®



Afkap 500 µg/L	Sensitiviteit	Specificiteit	Efficiency	Failure rate
Prev. 17%			% geen echo of CT (100-FP)	FN
STA referentie	97	61	61	0,6%
Nanochecker	+/-	+	++	+/-
Afias 1	+/-	+	++	+/-
I Chroma II	-	+	++	-
Standard F200	+	-	+/-	+
Hipro	+/-	++	++	+/-
				
Nanochecker Nano-ditech	Afias 1 Boditech	i Chroma II Boditech	Standard F200 SD Biosensor	HP-AFS/1 Hipro

Test list										
CAT.	Parameters	Principle	Sample type	Collecting tube/Color		Sample size	Test time	Reference range	Linearity range	Clinical application
Infection	High sensitivity C reaction protein(CRP)	Nephelometry	whole blood	EDTA-K2/Capillary blood	Purple Tube	2.5μl	90S	<2mg/L	0.5~200mg/L	Discriminate bacteria and virus infection,especially for infant
	Full range CRP	Nephelometry	whole blood	EDTA-K2/Capillary blood	Purple Tube	2.5μl	90S	<10mg/L	0.5~200mg/L	Discriminate bacteria and virus infection
	Procalcitonin(PCT)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	20μl	480S	<0.5ng/mL	0.2~60ng/mL	Sepsis,antibiotics monitoring
	Serum amyloid A (SAA)	Nephelometry	whole blood Serum	EDTA-K2/Capillary blood Plain Tube/Clot Activator/ Gel & Activator	Purple Tube Red Tube/Orange Tube/ Yellow Tube	2.5μl	130S	<6.4mg/L	3~200mg/L	Discriminate bacteria infection with PCT,CRP for infant
Cardiovascular	(H-FABP) Human-fatty acid Binding protein	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	20μl	360S	<6.2ng/mL	2.5~160ng/mL	The most sensitive indicator for early detection of AMI ,can be detected in 30 minutes after Myocardial damage
	Myohemoglobin (Myo)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	10μl	300S	<90μg/L	3~500μg/L	Early indicator of AMI, can be detected in 1 hour after Myocardial damage
	Cardiac Troponin I (cTnI)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	20μl	330S	<1.68ng/mL	0.01~30ng/mL	The most sensitive and most specific marker of myocardial cell death , becoming the "gold standard" for the diagnosis of myocardial infarction.
	Creatine kinase-MB (CK-MB)	Immuno-suppression	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	20μl	420S	<25U/L	5-200U/L	The best indicator of myosin isoenzyme for AMI, diagnostic of AMI, evaluation of myocardial infarction area, predict the prognosis
	Amino-terminal pro-brain natriuretic peptide (NT-proBNP)	Immuno-fluorescence	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	20μl	10min	<250pg/mL	50-25000pg/mL	The preferred indicator of diagnostic for heart failure,Risk assessment of acute coronary syndromes
	Homocysteine (HCY)	Enzymatic	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	15μl	420S	<15umol/L	2.5-60umol/L	Predictive factors of cardiovascular and cerebrovascular diseases (stroke)
	Lipoprotein (a) (LP(a))	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	10μl	330S	≤300mg/L	10~1000.0mg/L	Predictive factors of Coronary heart disease, atherosclerosis, cerebral infarction
	D-Dimer	Nephelometry	Plasma	Sodium citrate Tube	Blue Tube	15μl	180S	<1.35mg/L	0.5~20mg/L	Early diagnostic for DIC, DVT screening, PE diagnostic,thrombolytic therapy monitoring
	Lipoprotein phospholipase A2 (Lp-PLA2)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	15μl	300S	<175ng/mL	0.5~800ng/mL	High specificity markers of Vascular inflammation, dynamic monitoring A2 for risk and efficacy evaluation on variety of atherosclerosis-related cardiovascular and cerebrovascular embolism disease

CAT.	Parameters	Principle	Sample type	Collecting tube/Color		Sample size	Test time	Reference range	Linearity range	Clinical application
Renal function	Hemoglobin A1c (HbA1c)	Nephelometry	whole blood	EDTA-K2/Capillary blood	Purple Tube	10μl	300S	3.8-5.8%	2~14%	Gold standard for detecting diabetes
	Microalbumin (mAlb)	Nephelometry	Urine	Urine Cup		10μl	180S	<25mg/L	10~220mg/L	Early diagnosis of kidney injury
	Cystine (CysC)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	5μl	300S	<1.16mg/L	0.2~9mg/L	Early and effective indicator of renal dysfunction and acute renal failure.
	Neutrophil Gelatinase Associated Lipocalin (NGAL)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	5μl	330S	<180ng/mL	10~5000ng/mL	Early and sensitive biomarker of renal injury, the NGAL content increased within 2 hours after renal injury.
	α1-microglobulin (α1-MG)	Nephelometry	Urine	Urine Cup		5μl	360S	<12mg/L	5~90mg/L	Sensitive indicator of tubular resorption impaired
	β2-microglobulin (β2-MG)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	5μl	360S	1.09-2.53mg/L	0.2~20mg/L	A sensitive and specific diagnostic index of renal tubular damage, and sensitive indicator of hypertensive and diabetic renal function damage
	Retinol binding protein (RBP)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	5μl	360S	30-60mg/L	5~140mg/L	Early and sensitive indicator of renal function impairment, a specific indicator of early clinical evaluation of nutritional status.
Rheumatism	Antistreptolysin O (ASO)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	2.5μl	180S	<200IU/mL	30~600IU/mL	Diagnosis of hemolytic streptococcus infection, specific indicator of active rheumatic fever
	Rheumatoid factor (RF)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	5μl	180S	<30IU/mL	5~160IU/mL	The most widely used clinical test indicator for rheumatoid arthritis (RA) diagnosis and treatment.High sensitivity, The highest positive rate with lower specificity.
	Anti-CCP	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	10μl	180S	<45U/mL	5~100U/mL	High sensitivity and specificity of early diagnostic for RA, the sensitive indicator of identify aggressive, noninvasive RA.
Gastric function	PepsinogenI(PGI)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	15μl	300S	>70ng/mL	2.5~160ng/mL	Indicate the functional status of the gastric fundus and gastric mucosa
	PepsinogenII(PGII)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	15μl	300S	<27ng/mL	2.0~80ng/mL	Indicate the functional status of the Antral mucosa

CAT.	Parameters	Principle	Sample type	Collecting tube/Color		Sample size	Test time	Reference range	Linearity range	Clinical application
Liver function	Prealbumin (PA)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	5µl	300S	200-400mg/L	10~800mg/L	Diagnosis of malnutrition, indicators of liver dysfunction
	Transferrin(TRF)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	5µl	300S	2.0-3.6g/L	0.2~7.4g/L	Diagnosis of iron deficiency and liver disease
	Adenosine deaminase(ADA)	Enzyme Rate	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	2.5µL	480s	<15U/L	2.0U/L~200.0U/L	Adenosine deaminase is a sensitive index reflecting liver injury, and it can be used as one of the routine examinations of liver function to judge acute liver injury and residual disease, assist diagnosis of chronic liver disease, and contribute to the diagnosis of liver fibrosis.
Autoimmunity	Immune globulin A (IgA)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	2.5µl	300S	0.7-4.0g/L	0.5~6.0g/L	The normal IgA concentration is 0.7-4.0g/L, if increased or decreased indicating have got autoimmune disease. 1, IgA increased: >4.0g/L, indicating have got connective tissue disease, liver disease, infectious diseases 2, IgA decreased: <0.7g/L, common in Autoimmune diseases, transfusion reactions, primary non-gamma globulinemia, secondary immunodeficiency and malabsorption syndrome
	Immune globulin M (IgM)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	10µl	300S	0.4-2.3g/L	0.25~5.00g/L	The normal IgM concentration is 0.4-2.3g/L, if increased or decreased indicating have got autoimmune disease. 1, IgM increased: >2.3g/L, indicating have got connective tissue disease, liver disease, infectious diseases 2, IgM decreased: <0.4g/L, indicating have got Hodgkin's disease, leukemia
	Immune globulin E (IgE)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	20µl	300S	≤100IU/ml	50.0IU/mL~960.0IU/mL	It is mainly used for the evaluation of immune function and auxiliary diagnosis of immune diseases.
	Immune globulin G (IgG)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	2.5µl	300S	7-16g/L	2.0~40.0g/L	The normal IgG concentration is 7-16g/L, if increased or decreased indicating have got autoimmune disease. 1, IgG increased: >16g/L, indicating have got Hodgkin's disease, leukemia 2, IgG decreased: <7g/L, common in Various congenital or acquired humoral immune deficiency disorders, combined immunodeficiency disease
hormone	Human Chorionic Gonadotropin (HCG)	Immune Fluorescence	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	20µl	660S	<10 IU/L	2.5IU/L~5000IU/L	Determine the content of human chorionic gonadotrophin (HCG) in human serum, diagnosis of early pregnancy and related disease

CAT.	Parameters	Principle	Sample type	Collecting tube/Color		Sample size	Test time	Reference range	Linearity range	Clinical application
Tumor Marker	Alpha fetoprotein (AFP)	Nephelometry	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	20µl	300s	≤20 ng/ml	5-800 ng/mL	Determine the content of alpha fetoprotein (AFP) in human serum to aid in diagnosis of primary hepatic carcinoma.
	Human 25-Hydroxyvitamin D (25-VitD)	Immune Fluorescence	Serum	Plain Tube/Clot Activator/ Gel & Activator	Red Tube/Orange Tube/ Yellow Tube	2.5 ul	350 s	30 - 100 ng/mL	5~130ng/mL	determination of 25-hydroxyvitamin D (25-OH-VD) in serum. Vitamin D is a fat-soluble steroid hormone, which plays an important role in controlling calcium and phosphorus levels in the body and calcification of bones. It also has effects on extra bone systems, including the cardiovascular system, immune system, nervous system, glucose metabolism, cell proliferation and differentiation And other aspects, have a very important role.

IgM/IgG Antibody Test Kit

- **Clinical Significance**: Indicators of acute, previous or late infection
- **Specimen**: whole blood, serum or plasma
- **Methodology**: Colloidal Gold



Antigen Test Kit

- **Clinical Significance**: Quickly detect SARS-CoV-2 antigen in nasopharyngeal and provide auxiliary diagnosis for Covid-19 infections
- **Specimen**: Saliva Nasopharyngeal swab
- **Methodology**: Colloidal Gold



Neutralizing Antibody Test Kit

- **Clinical Significance**: An important marker for assessing the effectiveness of the new coronavirus vaccines
- **Specimen**: Whole blood, serum or plasma
- **Methodology**: Colloidal Gold



Total Antibody & Neutralizing Antibody Test Kit

- **Clinical Significance**: Quickly detect acute, previous or late infection, and assess the effectiveness of the new coronavirus vaccines
- **Specimen**: Whole blood, serum or plasma
- **Methodology**: Colloidal Gold




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