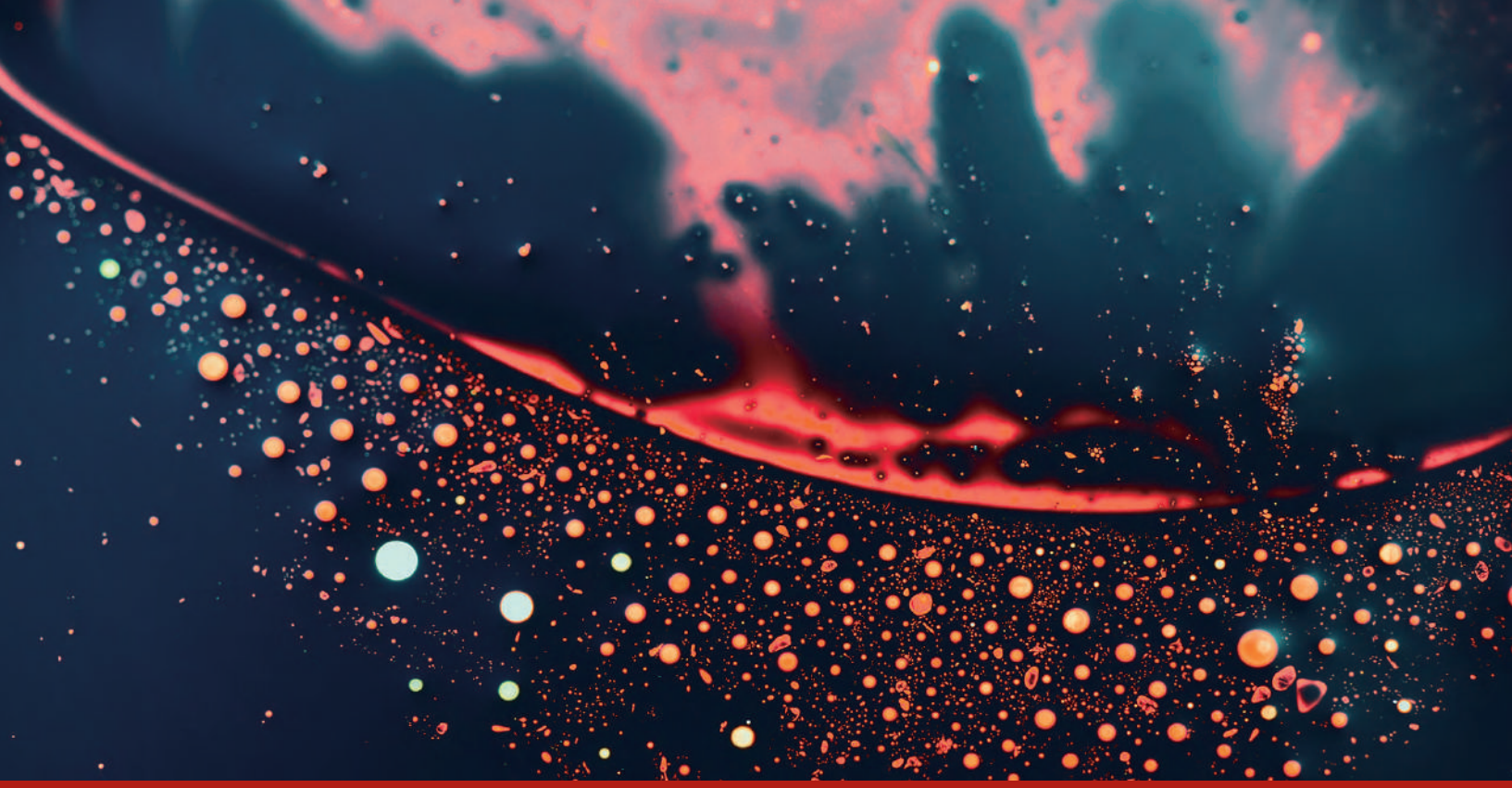


MASS SPECTROMETRY REAGENTS

2023

上海睿康生物
Shanghai Reigncom Biotech

Catalogue

Vanillylmandelic Acid & Creatinine Assay Kit

Vanillylmandelic acid (VMA) is the final metabolite of epinephrine and norepinephrine, and is closely related to neuroblastoma, pheochromocytoma and other diseases. Detection of the VMA level can be used to screen neuroblastoma in children and monitor the course of treatment. The concentration of creatinine not only measures the filtration efficiency of glomeruli, but can also be used to normalize other analytes in random urine samples. When measuring random urine samples, divide the VMA amount by the creatinine amount to obtain the relative amount of VMA to creatinine.

◆ Only dilution required before analyzing

Parameters

- **Sample Type:** 24-hour urine or random urine
- **Injection Volume:** 5 μL
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 4 minutes/sample
- **Limit of Quantitation:** 0.18 μg/mL (VMA), 9.0 μg/mL (Creatinine)
- **Linearity:** 0.2-100 μg/mL (VMA), 10-5000 μg/mL (Creatinine)
- **Recovery Rate:** 100-103%
- **Intra-assay CV:** ＜5%
- **Inter-assay CV:** ＜5%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Mobile Phase A	100 mL × 1	200 mL × 1	500 mL × 1	500 mL × 2
Mobile Phase B	100 mL × 1	100 mL × 1	100 mL × 1	200 mL × 1
Injector Cleanser	60 mL × 1	100 mL × 1	250 mL × 1	500 mL × 1
Internal Standard	3 mL × 1	5 mL × 1	5 mL × 2	5 mL × 4
Calibrator Set	200 μL × 1 × 6 levels	200 μL × 1 × 6 levels	200 μL × 2 × 6 levels	200 μL × 3 × 6 levels
Control Set	200 μL × 1 × 3 levels	200 μL × 1 × 3 levels	200 μL × 2 × 3 levels	200 μL × 3 × 3 levels

Note : Calibrators and Controls are available for sale separately

Glycocholic Acid Assay Kit

Glycocholic acid is a type of bile acids in human body, and is an essential substance for fat metabolism in human body. The main factor for abnormal bile acids level in serum is enterohepatic circulation disorder of bile acids caused by hepatobiliary diseases, and changes of bile acids level in serum then affects the synthesis and secretion of bile acids by the liver. Therefore, serum bile acids are important markers to measure liver and gallbladder functions.

◆Only protein precipitation required before analyzing

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 10 μL
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 2 minutes/sample
- **Limit of Quantitation:** 3.6 ng/mL
- **Linearity:** 4-5000 ng/mL
- **Recovery Rate:** 95-97%
- **Intra-assay CV:** ＜4%
- **Inter-assay CV:** ＜4%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Mobile Phase A	300 mL × 1	500 mL × 1	500 mL × 3	500 mL × 5
Mobile Phase B	300 mL × 1	500 mL × 1	500 mL × 3	500 mL × 5
Injector Cleanser	60 mL × 1	100 mL × 1	250 mL × 1	500 mL × 1
Internal Standard	3 mL × 1	5 mL × 1	5 mL × 2	5 mL × 4
Precipitant	100 mL × 1	200 mL × 1	500 mL × 1	500 mL × 2
Reconstitution agent	15 mL × 1	25 mL × 1	60 mL × 1	125 mL × 1
Calibrator Set	300 μL × 1 × 6 levels	300 μL × 2 × 6 levels	300 μL × 5 × 6 levels	300 μL × 10 × 6 levels
Control Set	300 μL × 1 × 3 levels	300 μL × 2 × 3 levels	300 μL × 5 × 3 levels	300 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

25-Hydroxyvitamin D Assay Kit

25-Hydroxyvitamin D is a metabolite of vitamin D. Measurement of 25-hydroxyvitamin D is commonly used in the diagnosis and management of disorders of calcium metabolism. Studies have shown that low levels of 25-hydroxyvitamin D are associated with various diseases such as hypocalcemia, hypophosphatemia, secondary hyperparathyroidism, elevated alkaline phosphatase, osteomalacia in adults and rickets in children.

◆ Traceable to NIST reference material

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 10 μL
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 5 minutes/sample
- **Limit of Quantitation:** 1.8 ng/mL
- **Linearity:** 2-200 ng/mL
- **Accuracy:** RSD＜4% (as compared to NIST reference material)
- **Intra-assay CV:** ＜3%
- **Inter-assay CV:** ＜4%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Mobile Phase A	120 mL × 1	200 mL × 1	500 mL × 1	500 mL × 1
Mobile Phase B	150 mL × 1	300 mL × 1	350 mL × 2	500 mL × 3
Injector Cleanser	80 mL × 1	100 mL × 1	500 mL × 1	500 mL × 1
Internal Standard	3 mL × 1	5 mL × 1	5 mL × 2	5 mL × 4
Precipitant	30 mL × 1	50 mL × 1	120 mL × 1	250 mL × 1
Extractant	80 mL × 1	150 mL × 1	400 mL × 1	400 mL × 2
Reconstitution agent	15 mL × 1	25 mL × 1	60 mL × 1	125 mL × 1
Calibrator Set	200 μL × 1 × 6 levels	200 μL × 2 × 6 levels	200 μL × 5 × 6 levels	200 μL × 10 × 6 levels
Control Set	200 μL × 1 × 3 levels	200 μL × 2 × 3 levels	200 μL × 5 × 3 levels	200 μL × 10 × 3 levels

Note： Calibrators and Controls are available for sale separately

Folate Assay Kit

Folate plays an important role in red blood cell production and the growth of other cells. Folate plays a key role in early pregnancy, reducing the risk of birth defects. Folate deficiency is common in pregnant women, newborns with birth defects, alcoholics, people who avoid fruits and vegetables, and people with impaired small intestine structural functions. Severe folate deficiency can easily lead to megaloblastic anemia. This product measures the sum of various folate isomers, including levomefolic acid, 5-formyltetrahydrofolate and vitamin B9.

◆Traceable to NIST reference material

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 10 μL
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 5.5 minutes/sample
- **Limit of Quantitation:** 0.17 ng/mL (Vitamin B9), 1.5 ng/mL (levomefolic acid), 0.085 ng/mL (5-formyltetrahydrofolate)
- **Linearity:** 0.2-10 ng/mL (Vitamin B9), 1.7-85 ng/mL (levomefolic acid), 0.1-5 ng/mL (5-formyltetrahydrofolate)
- **Accuracy:** RSD＜4% (as compared to NIST reference material)
- **Intra-assay CV:** ＜4%
- **Inter-assay CV:** ＜6%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Mobile Phase A	150 mL × 1	300 mL × 1	400 mL × 2	500 mL × 3
Mobile Phase B	100 mL × 1	200 mL × 1	500 mL × 1	500 mL × 2
Injector Cleanser	60 mL × 1	100 mL × 1	300 mL × 1	500 mL × 1
Internal Standard	3 mL × 1	5 mL × 1	5 mL × 2	5 mL × 4
Precipitant	50 mL × 1	100 mL × 1	200 mL × 1	400 mL × 1
Reconstitution agent	10 mL × 1	20 mL × 1	50 mL × 1	100 mL × 1
Calibrator Set	200 μL × 1 × 6 levels	200 μL × 2 × 6 levels	200 μL × 5 × 6 levels	200 μL × 10 × 6 levels
Control Set	200 μL × 1 × 3 levels	200 μL × 2 × 3 levels	200 μL × 5 × 3 levels	200 μL × 10 × 3 levels

Note： Calibrators and Controls are available for sale separately

Homocysteine Assay Kit

The level of homocysteine has an important relationship with the change of blood lipids level, the development and outcome of various cardiovascular and cerebrovascular diseases and their complications. Hyperhomocysteinemia is an independent risk factor for atherosclerotic vascular disease and recurrent venous thromboembolism. Therefore, timely, accurate and efficient detection of homocysteine levels in blood has important clinical significance.

- **Traceable to NIST reference material with solid accuracy**
- **Only protein precipitation required before analyzing**

Parameters

- **Sample Type:** Serum or plasma
- **Injection Volume:** 2 μL
- **Column Temperature:** 40˚C
- **Ion Source:** ESI
- **Analysis Time:** 4 minutes/sample
- **Limit of Quantitation:** 450 ng/mL
- **Linearity:** 500-27000 ng/mL
- **Accuracy:** RSD＜6% (as compared to NIST reference material)
- **Intra-assay CV:** ＜4%
- **Inter-assay CV:** ＜5%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit	1000 tests/kit
Mobile Phase A	150 mL × 1	250 mL × 1	500 mL × 1	500 mL × 2	500 mL × 2
Mobile Phase B	100 mL × 1	200 mL × 1	500 mL × 1	500 mL × 2	500 mL × 2
Injector Cleanser	60 mL × 1	100 mL × 1	300 mL × 1	500 mL × 1	500 mL × 2
Internal Standard	3 mL × 1	5 mL × 1	5 mL × 2	5 mL × 4	5 mL × 5
Reductant	50 mL × 1	65 mL × 1	200 mL × 1	330 mL × 1	330 mL × 1
Precipitant	10 mL × 1	20 mL × 1	50 mL × 1	100 mL × 1	100 mL × 1
Calibrator Set	100 μL × 1 × 6 levels	100 μL × 1 × 6 levels	100 μL × 2 × 6 levels	100 μL × 3 × 6 levels	100 μL × 5 × 6 levels
Control Set	100 μL × 1 × 3 levels	100 μL × 1 × 3 levels	100 μL × 2 × 3 levels	100 μL × 3 × 3 levels	100 μL × 5 × 3 levels

Note : Calibrators and Controls are available for sale separately

CE

Total T3 & Total T4 Assay Kit

Triiodothyronine (T3) and thyroxine (T4) are hormones secreted by the thyroid gland. Total T3 and total T4 are of great significance for the diagnosis and differential diagnosis of hyperthyroidism and hypothyroidism, as well as for the evaluation of the development process, curative effect and prognosis of thyroid function disorders.

- **Traceable to Chinese national standard reference material**
- **Only protein precipitation required before analyzing**

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 20 μL
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 5.2 minutes/sample
- **Limit of Quantitation:** 0.27 ng/mL (T3), 14 ng/mL (T4)
- **Linearity:** 0.3-10 ng/mL (T3), 15-500 ng/mL (T4)
- **Recovery Rate:** 97-103%
- **Intra-assay CV:** ＜4%
- **Inter-assay CV:** ＜4%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Mobile Phase A	200 mL × 1	400 mL × 1	500 mL × 2	500 mL × 3
Mobile Phase B	200 mL × 1	400 mL × 1	500 mL × 2	500 mL × 3
Injector Cleanser	60 mL × 1	100 mL × 1	250 mL × 1	500 mL × 1
Internal Standard	3 mL × 1	5 mL × 1	5 mL × 2	5 mL × 4
Antioxidant	25 mL × 1	50 mL × 1	125 mL × 1	250 mL × 1
Precipitant	80 mL × 1	120 mL × 1	300 mL × 1	300 mL × 2
Calibrator Set	200 μL × 1 × 6 levels	200 μL × 2 × 6 levels	200 μL × 5 × 6 levels	200 μL × 10 × 6 levels
Control Set	200 μL × 1 × 3 levels	200 μL × 2 × 3 levels	200 μL × 5 × 6 levels	200 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Meropenem Assay Kit

Meropenem is a lactam antibiotic that has certain antibacterial activity against a variety of pathogenic bacteria and can be used for treatment of infectious diseases caused by a variety of pathogenic bacteria, such as pneumonia, urinary tract infections, gynecological infections, skin and soft tissue infections, and could also be used for meningitis and sepsis treatment. The monitoring of meropenem concentration in the blood, on one hand, can ensure that meropenem is within the appropriate inhibitory concentration range to reduce the occurrence of drug resistance; on the other hand, it can reduce the toxic and side effects caused by inappropriate use of meropenem.

◆ High specificity: Able to avoid the interference from other antibiotics

Parameters

- **Sample Type:** Serum or plasma
- **Injection Volume:** 1-20 μL (subject to instrument sensitivity)
- **Column Temperature:** 45℃
- **Ion Source:** ESI
- **Analysis Time:** 3 minutes/sample
- **Limit of Quantitation:** 0.2 μg/mL
- **Linearity:** 0.2-100 μg/mL
- **Recovery Rate:** 85-105%
- **Intra-assay CV:** ＜4%
- **Inter-assay CV:** ＜6%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	150 mL × 1	150 mL × 2	150 mL × 5	150 mL × 10
Mobile Phase B	100 mL × 1	100 mL × 2	100 mL × 5	100 mL × 10
Injector Cleanser	100 mL × 1	100 mL × 2	100 mL × 5	100 mL × 10
Precipitant	20 mL × 1	20 mL × 2	20 mL × 5	20 mL × 10
Diluent	100 mL × 1	100 mL × 2	100 mL × 5	100 mL × 10
Centrifuge Tubes	96 units	192 units	480 units	960 units
96-Well Plate & Lid	1 set	2 sets	5 sets	10 sets
Component Set B				
Mobile Phase A	1mL × 2	1mL × 4	1mL × 10	1mL × 20
Mobile Phase B	200 μL × 1 × 6 levels	200 μL × 2 × 6 levels	200 μL × 5 × 6 levels	200 μL × 10 × 6 levels
Injector Cleanser	200 μL × 1 × 3 levels	200 μL × 2 × 3 levels	200 μL × 5 × 3 levels	200 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Amiodarone & Desethylamiodarone Assay Kit

Amiodarone is an antiarrhythmic drug used to prevent or treat varies types of cardiac arrhythmias, including ventricular tachycardia, ventricular fibrillation, wide QRS complex tachycardia, atrial fibrillation, and paroxysmal supraventricular tachycardia (PSVT). Desethylamiodarone (DEA) is the major active metabolite of amiodarone produced by hepatic metabolism, and it has a half-life equal to or longer than amiodarone. DEA accumulates extensively in the body and may cause serious adverse effects in different organs. In order to prevent the occurrence of adverse reactions of amiodarone, it is particularly important to monitor amiodarone and its active metabolites.

◆Simultaneous detection of drugs and metabolites provides a more conducive guide for personalized medicine

Parameters

- **Sample Type:** Serum or plasma
- **Injection Volume:** 1-20 μL (subject to instrument sensitivity)
- **Column Temperature:** 45˚C
- **Ion Source:** ESI
- **Analysis Time:** 3 minutes/sample
- **Limit of Quantitation:** 0.1 μg/mL
- **Linearity:** 0.1-40 μg/mL
- **Recovery Rate:** 85-115%
- **Intra-assay CV:** ＜6%
- **Inter-assay CV:** ＜6%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	60 mL × 1	60 mL × 2	60 mL × 5	60 mL × 10
Mobile Phase B	150 mL × 1	150 mL × 2	150 mL × 5	150 mL × 10
Injector Cleanser	100 mL × 1	100 mL × 2	100 mL × 5	100 mL × 10
Precipitant	20 mL × 1	20 mL × 2	20 mL × 5	20 mL × 10
Diluent	100 mL × 1	100 mL × 2	100 mL × 5	100 mL × 10
Centrifuge Tubes	96 units	192 units	480 units	960 units
96-Well Plate & Lid	1 set	2 sets	5 sets	10 sets
Component Set B				
Mobile Phase A	2 mL × 1	2 mL × 2	2 mL × 5	2 mL × 10
Mobile Phase B	300 μL × 1 × 7 levels	300 μL × 2 × 7 levels	300 μL × 5 × 7 levels	300 μL × 10 × 7 levels
Injector Cleanser	300 μL × 1 × 3 levels	300 μL × 2 × 3 levels	300 μL × 5 × 3 levels	300 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Immunosuppressants Assay Kit

Immunosuppressants are substances that have an immunosuppressive effect on the immune system and are generally used for organ transplantation and various autoimmune diseases. Common immunosuppressive drugs include tacrolimus, sirolimus, everolimus, and cyclosporine A. Due to the intra- and inter-patient variability of drug absorption, narrow therapeutic window and drug induced nephrotoxicity, detecting and monitoring the concentration of immunosuppressants in patients are critical in clinical practice.

◆ Accurate quantification of 4 immunosuppressants simultaneously

Analytes

Cyclosporine A
Everolimus
Sirolimus
Tacrolimus

Parameters

- **Sample Type:** Whole blood
- **Injection Volume:** 10-30 μL (subject to instrument sensitivity)
- **Column Temperature:** 60˚C
- **Ion Source:** ESI
- **Analysis Time:** 4 minutes/sample
- **Limit of Quantitation:** 1 ng/mL (Tacrolimus, Sirolimus, Everolimus), 20 ng/mL (Cyclosporine A)
- **Linearity:** 1-100 ng/mL (Tacrolimus, Sirolimus, Everolimus), 20-2000 ng/mL (Cyclosporine A)
- **Recovery Rate:** 85-115%
- **Intra-assay CV:** ＜10%
- **Inter-assay CV:** ＜12%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	200 mL × 1	400 mL × 1	500 mL × 2	500 mL × 4
Mobile Phase B	200 mL × 1	400 mL × 1	500 mL × 2	500 mL × 4
Injector Cleanser	200 mL × 1	300 mL × 1	500 mL × 1	500 mL × 1
Precipitant	30 mL × 1	60 mL × 1	150 mL × 1	300 mL × 1
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Plate & Lid	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	40 mL × 1	80 mL × 2	200 mL × 5	400 mL × 10
Calibrator Set	500 μL × 1 × 7 levels	500 μL × 2 × 7 levels	500 μL × 5 × 7 levels	500 μL × 10 × 7 levels
Control Set	500 μL × 1 × 3 levels	500 μL × 2 × 3 levels	500 μL × 5 × 3 levels	500 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Antipsychotics Assay Kit

Antipsychotics are a class psychotropic medication primarily used to manage psychosis (including as hallucinations, delusions paranoia or disordered thought) without affecting consciousness. Taking antipsychotics can cause serious side effects, such as extrapyramidal symptoms, gynecomastia, metabolic syndrome, erectile dysfunction, and weight gain. Therefore, in order to reduce the adverse effects of antipsychotic drugs and improve patients' medication compliance, it is particularly important to

◆ Accurate quantification of 14 antipsychotics simultaneously

Analytes

Amisulpride	Aripiprazole	Chlorpromazine
Clozapine	Dehydroariprazole	Desmethylclozapine
Fluphenazine	9-Hydroxyrisperidone	Olanzapine
Perphenazine	Quetiapine	Risperidone
Sulpiride	Ziprasidone	

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-20 μL (subject to instrument sensitivity)
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 5 minutes/sample
- **Limit of Quantitation:** 4 ng/mL
- **Recovery Rate:** 94-111%
- **Intra-assay CV:** ＜6%
- **Inter-assay CV:** ＜8%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	200 mL × 1	200 mL × 2	200 mL × 5	200 mL × 10
Mobile Phase B	130 mL × 1	130 mL × 2	130 mL × 5	130 mL × 10
Injector Cleanser	100 mL × 1	100 mL × 2	100 mL × 5	100 mL × 10
Precipitant	25 mL × 1	25 mL × 2	25 mL × 5	25 mL × 10
Centrifuge Tubes	96 units	192 units	480 units	960 units
96-Well Plate & Lid	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	2.5 mL × 1	2.5 mL × 2	2.5 mL × 5	2.5 mL × 10
Calibrator Set	250 μL × 1 × 6 levels	250 μL × 2 × 6 levels	250 μL × 5 × 6 levels	250 μL × 10 × 6 levels
Control Set	250 μL × 1 × 3 levels	250 μL × 2 × 3 levels	250 μL × 5 × 3 levels	250 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Antiviral Drugs Assay Kit

Antiviral drugs are a class of medication used to specifically treat viral infections, including anti-HIV drugs, anti-herpes virus drugs, anti-hepatitis B virus drugs, etc. Given the pharmacokinetics of antiviral drugs vary greatly among individuals, and abnormal liver and kidney functions could change drug concentration in plasma and drug efficacy, monitoring the antiviral drugs plasma concentration and adjusting the dosage accordingly are of great clinical significance to ensure the safety and effectiveness of the medications.

◆ Accurate quantification of 13 antiviral drugs simultaneously

Analytes

Abacavir	Bictegravir	Dolutegravir	Efavirenz
Elvitegravir	Emtricitabine	Lamivudine	Lopinavir
Raltegravir	Ritonavir	Tenofovir alafenamide	Tenofovir disoproxil
Zidovudine			

Parameters

- **Sample Type:** Plasma
- **Injection Volume:** 2-20 μL (subject to instrument sensitivity)
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 5 minutes/sample
- **Limit of Quantitation:** 5 ng/mL
- **Recovery Rate:** 85-114%
- **Intra-assay CV:** ＜8%
- **Inter-assay CV:** ＜10%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	200 mL × 1	200 mL × 2	200 mL × 5	200 mL × 10
Mobile Phase B	130 mL × 1	130 mL × 2	130 mL × 5	130 mL × 10
Injector Cleanser	100 mL × 1	100 mL × 2	100 mL × 5	100 mL × 10
Precipitant	30 mL × 1	30 mL × 2	30 mL × 5	30 mL × 10
Centrifuge Tubes	96 units	192 units	480 units	960 units
96-Well Plate & Lid	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	2.5 mL × 1	2.5 mL × 2	2.5 mL × 5	2.5 mL × 10
Calibrator Set	250 μL × 1 × 6 levels	250 μL × 2 × 6 levels	250 μL × 5 × 6 levels	250 μL × 10 × 6 levels
Control Set	250 μL × 1 × 3 levels	250 μL × 2 × 3 levels	250 μL × 5 × 3 levels	250 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

CE

Antibiotics Assay Kit

Antibiotics are antimicrobial substances active against bacteria, and they are the most important type of antibacterial agent for fighting bacterial infections. Antibiotics may either kill or inhibit the growth of bacteria. However, the bacterial problem currently caused by the irrational use of antibiotics is very serious, and drug-resistant infections have become the main cause of death from clinical infectious diseases. To reduce bacterial resistance, it is necessary to ensure that the level of antibiotics in the blood is within the appropriate range of inhibitory concentrations.

◆ Accurate quantification of 9 antibiotics simultaneously

Analytes

Amikacin	Imipenem	Linezolid
Meropenem	Moxifloxacin	Tazobactam
Teicoplanin	Vancomycin	Voriconazole

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-20 μL (subject to instrument sensitivity)
- **Column Temperature:** 40˚C
- **Ion Source:** ESI
- **Analysis Time:** 5 minutes

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	200 mL × 1	200 mL × 2	200 mL × 5	200 mL × 10
Mobile Phase B	130 mL × 1	130 mL × 2	130 mL × 5	130 mL × 10
Injector Cleanser	100 mL × 1	100 mL × 2	100 mL × 5	100 mL × 10
Precipitant	25 mL × 1	25 mL × 2	25 mL × 5	25 mL × 10
Centrifuge Tubes	96 units	192 units	480 units	960 units
96-Well Plate & Lid	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	2.5 mL × 1	2.5 mL × 2	2.5 mL × 5	2.5 mL × 10
Calibrator Set	250 μL × 1 × 6 levels	250 μL × 2 × 6 levels	250 μL × 5 × 6 levels	250 μL × 10 × 6 levels
Control Set	250 μL × 1 × 3 levels	250 μL × 2 × 3 levels	250 μL × 5 × 3 levels	250 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Multiple Bild Acids Assay Kit

Bile acids, the major organic component of bile, is a general term for several steroid acids with similar structures. In human bile, bound bile acids are the main forms of existence. Hepatobiliary related disease can cause metabolic alternation in bile acids, leading to significant changes in the levels of different components in the bile. The serum bile acids panel assay can comprehensively and dynamically reflect the changes of hepatobiliary diseases from development and treatments.

◆ Accurate quantification of 17 bile acids simultaneously

Analytes

Chenodeoxycholic acid
Glycochenodeoxycholic acid
Glycohyodeoxycholic acid
Lithocholic acid
Taurodeoxycholic acid
Tauroursodeoxycholic acid
Cholic acid
Glycocholic acid
Glycolithocholic acid
Taurochenodeoxycholic acid
Taurohyodeoxycholic acid
Ursodeoxycholic acid
Deoxycholic acid
Glycodeoxycholic acid
Glycoursodeoxycholic acid
Taurocholic acid
Taurolithocholic acid

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-10 μL (subject to instrument sensitivity)
- **Column Temperature:** 60˚C
- **Ion Source:** ESI
- **Analysis Time:** 15 minutes/sample
- **Recovery Rate:** 90-110%
- **Intra-assay CV:** ＜8%
- **Inter-assay CV:** ＜11%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	500 mL × 1	500 mL × 2	500 mL × 5	500 mL × 10
Mobile Phase B	500 mL × 1	500 mL × 2	500 mL × 5	500 mL × 10
Injector Cleanser	200 mL × 1	400 mL × 1	500 mL × 2	500 mL × 4
Precipitant	50 mL × 1	100 mL × 1	200 mL × 1	500 mL × 1
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Plate & Lid	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	15 mL × 1	15 mL × 2	15 mL × 5	15 mL × 10
Calibrator Set	400 μL × 1 × 7 levels	400 μL × 2 × 7 levels	400 μL × 5 × 7 levels	400 μL × 10 × 7 levels
Control Set	400 μL × 1 × 3 levels	400 μL × 2 × 3 levels	400 μL × 5 × 3 levels	400 μL × 10 × 3 levels

Note： Calibrators and Controls are available for sale separately

Multiple Free Fatty Acids Assay Kit

Free fatty acid (FFA) is a lipid present in the human body. Most of the FFAs are bound to albumins and exist in the blood. There are mostly three types of FFAs: cholesterol, neutral fat (triglycerides), and phospholipids. The concentration of FFA in serum is related to lipid metabolism, glucose metabolism, and endocrine function, and the concentration of FFA will change due to diseases such as diabetes, severe liver diseases, and hyperthyroidism. Therefore, monitoring the change of FFA levels in the human body has clinical significance.

◆ Accurate quantification of 10 free fatty acids simultaneously

Analytes

alpha-Linolenic acid
Docosahexaenoic acid (DHA)
Eicosapentaenoic acid (EPA)
Linoleic acid
Oleic acid
Arachidonic acid
Elaidic acid
Gamma-Linolenic acid
n-3 Docosapentaenoic acid (n-3 DPA)
Palmitic acid

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-20 µL (subject to instrument sensitivity)
- **Column Temperature:** 40˚C
- **Ion Source:** ESI
- **Analysis Time:** 14 minutes/sample
- **Recovery Rate:** 88-112%
- **Intra-assay CV:** ＜8%
- **Inter-assay CV:** ＜10%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	300 mL × 1	500 mL × 2	500 mL × 3	500 mL × 6
Mobile Phase B	300 mL × 1	500 mL × 2	500 mL × 3	500 mL × 6
Injector Cleanser	200 mL × 1	400 mL × 1	500 mL × 2	500 mL × 4
Extractant	100 mL × 1	200 mL × 1	500 mL × 1	500 mL × 2
Derivatization Agent 1	30 mL × 1	60 mL × 1	150 mL × 1	500 mL × 1
Derivatization Agent 2	30 mL × 1	60 mL × 1	150 mL × 1	500 mL × 1
Reconstitution Agent	60 mL × 1	120 mL × 1	300 mL × 1	300 mL × 2
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	5 mL × 1	5 mL × 2	5 mL × 5	5 mL × 10
Calibrator Set	400 µL × 1 × 6 levels	400 µL × 2 × 6 levels	400 µL × 5 × 6 levels	400 µL × 10 × 6 levels
Control Set	400 µL × 1 × 3 levels	400 µL × 2 × 3 levels	400 µL × 5 × 3 levels	400 µL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Multiple Amino Acids Assay Kit

Amino acid is one of the three major nutrients of living organisms and the basic unit of enzymes and proteins. In addition to forming proteins, amino acids promote cardiovascular health, generate neurotransmitters, help improve metabolism, and have antioxidant properties. As small biological molecules, free amino acids in the body play an important role in physiological functions as well as clinical diagnosis.

◆ Accurate quantification of 21 amino acids simultaneously

Analytes

Alanine	Arginine	Asparagine
Aspartic acid	Citrulline	Glutamic acid
Glutamine	Glycine	Histidine
Isoleucine	Leucine	Lysine
Methionine	Ornithine	Phenylalanine
Proline	Serine	Threonine
Tyrosine	Tryptophan	Valine

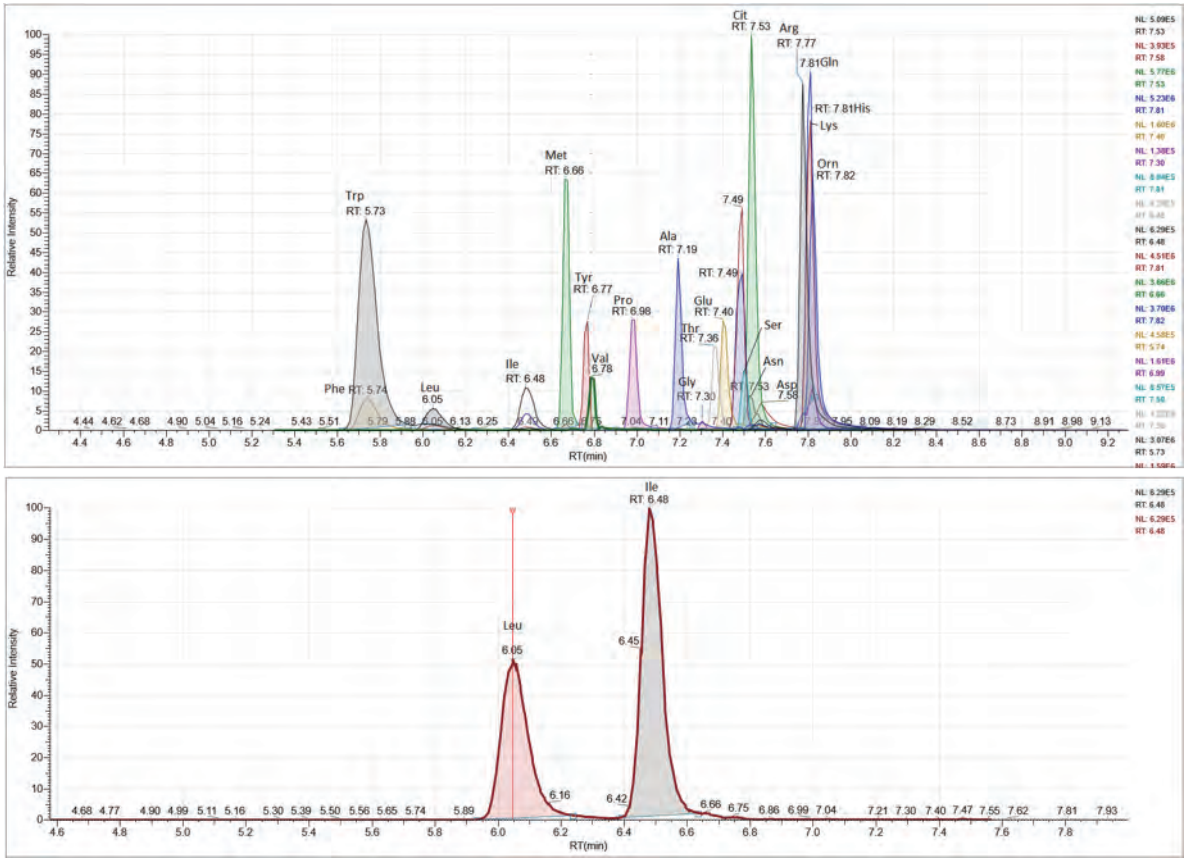
Non-derivatized Sample Preparation

The traditional amino acid detection method (HPLC) needs derivatization treatment before analyzing in order to improve the sensitivity in HPLC and the capability to separate isomers. Reigncom's amino acid reagents (LC-MS/MS) do not require derivatization, only protein precipitation before analyzing is sufficient to get satisfactory results.

- No derivatization step, shorter sample preparation
- Reduced manual steps to improve accuracy
- Suitable for fully automatic sample preparation platform

Parameters

- **Sample Type:** Plasma
- **Injection Volume:** 2 μL
- **Column Temperature:** 30˚C
- **Ion Source:** ESI
- **Analysis Time:** 12 minutes/sample
- **Recovery Rate:** 91-107%
- **Intra-assay CV:** ＜8%
- **Inter-assay CV:** ＜9%



Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	150 mL × 1	300 mL × 1	400 mL × 2	500 mL × 3
Mobile Phase B	350 mL × 1	350 mL × 2	450 mL × 4	500 mL × 7
Injector Cleanser	100 mL × 1	100 mL × 1	500 mL × 1	500 mL × 1
Internal Standard	30 mL × 1	60 mL × 1	150 mL × 3	300 mL × 6
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
Component Set B				
Calibrator Set	100 µL × 1 × 6 levels	100 µL × 2 × 6 levels	100 µL × 5 × 6 levels	100 µL × 10 × 6 levels
Control Set	100 µL × 1 × 3 levels	100 µL × 2 × 3 levels	100 µL × 5 × 3 levels	100 µL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Fat-soluble Vitamins Assay Kit

Fat-soluble vitamins include vitamins A, D, E, and K. Fat-soluble vitamins often coexist with lipids in natural foods, and are absorbed in the intestine in the presence of fat. They can readily pass through the lipid phase of plasma membranes in the digestive tract and other tissues by diffusion. When lipids malabsorption occurs, the absorption of fat-soluble vitamins would be reduced, causing corresponding deficiencies; however, long-term overdose of fat-soluble vitamins would also lead to the accumulation of excess fat-soluble vitamins in the body.

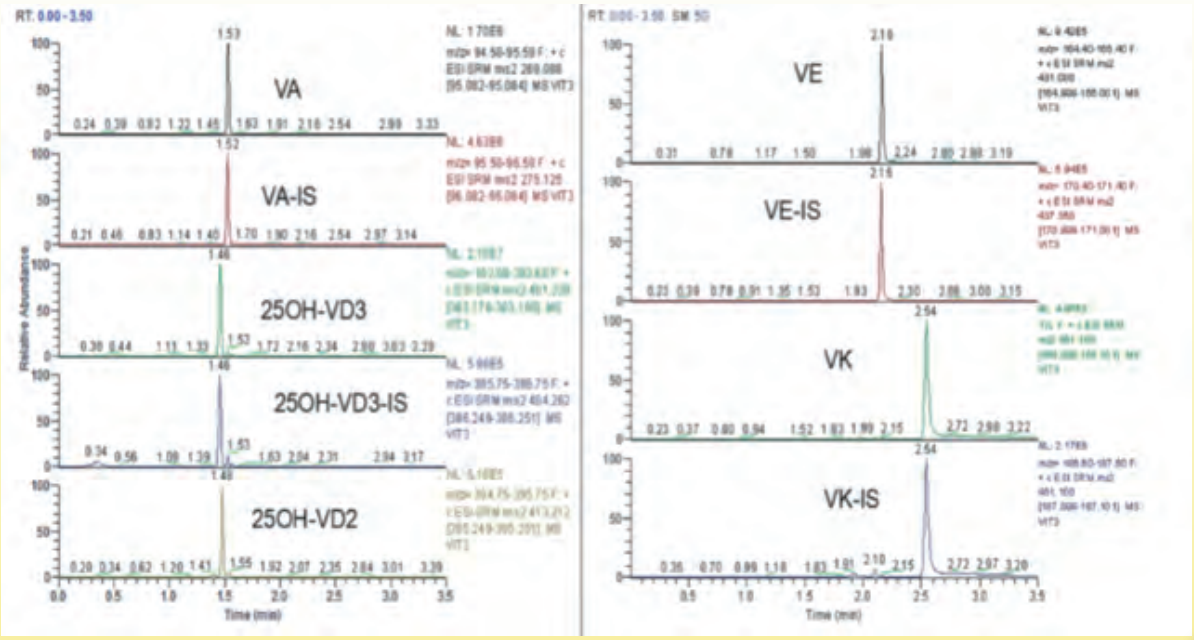
◆ Accurate quantification of 5 fat-soluble vitamins simultaneously

Analytes

Vitamin A (Retinol)
Vitamin D (25-Hydroxyvitamin D2 & D3)
Vitamin E (α -Tocopherol)
Vitamin K1 (Phylloquinone)

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-20 μL (subject to instrument sensitivity)
- **Column Temperature:** 40˚C
- **Ion Source:** APCI
- **Analysis Time:** 7.5 minutes/sample
- **Limit of Quantitation:** 10 ng/mL (Vitamin A), 1 ng/mL (Vitamin D), 20 ng/mL (Vitamin E), 0.1 ng/mL (Vitamin K1)
- **Linearity:** 100-10000 ng/mL (Vitamin A), 2-200 ng/mL (Vitamin D), 500-50000 ng/mL (Vitamin E), 0.1-10 ng/mL (Vitamin K1)
- **Recovery Rate:** 87-110%
- **Intra-assay CV:** ＜8%
- **Inter-assay CV:** ＜10%



Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	50 mL × 1	100 mL × 1	250 mL × 1	500 mL × 1
Mobile Phase B	200 mL × 1	400 mL × 2	500 mL × 2	500 mL × 4
Injector Cleanser	80 mL × 1	100 mL × 1	500 mL × 1	500 mL × 1
Precipitant	35 mL × 1	70 mL × 1	200 mL × 1	400 mL × 1
Eluant	200 mL × 1	400 mL × 1	500 mL × 2	500 mL × 4
Reconstitution Agent	10 mL × 1	20 mL × 1	50 mL × 1	100 mL × 1
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Purification Plate	1 set	2 sets	5 sets	10 sets
96-Well Receiver Plate	1 set	2 sets	5 sets	10 sets
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	1.2 mL × 1	2.5 mL × 1	3 mL × 2	4 mL × 3
Calibrator Set	200 µL × 1 × 6 levels	200 µL × 2 × 6 levels	200 µL × 5 × 6 levels	200 µL × 10 × 6 levels
Control Set	200 µL × 1 × 3 levels	200 µL × 2 × 3 levels	200 µL × 5 × 3 levels	200 µL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Water-soluble Vitamins Assay Kit

Water-soluble vitamins mainly constitute enzyme cofactors in the body and directly affect the activity of certain enzymes. Vitamin B group is a constituent of many coenzymes responsible for the transfer of hydrogen, electrons or groups. They participate in the metabolism of sugar, fat, protein and nucleic acid, etc. that are catalyzed by enzymes. Although water-soluble vitamins overdose would not cause the same accumulation problems as fat-soluble vitamins would, long-term intake of large amounts still yields side effects. High intake of vitamin B2 can turn the urine yellow, and excessive intake of B6 can cause movement disorders and severe sensory neuropathies.

- **Ultrafiltration technology effectively reduces matrix interference**
- **Accurate quantification of 8 vitamin B indicators simultaneously**

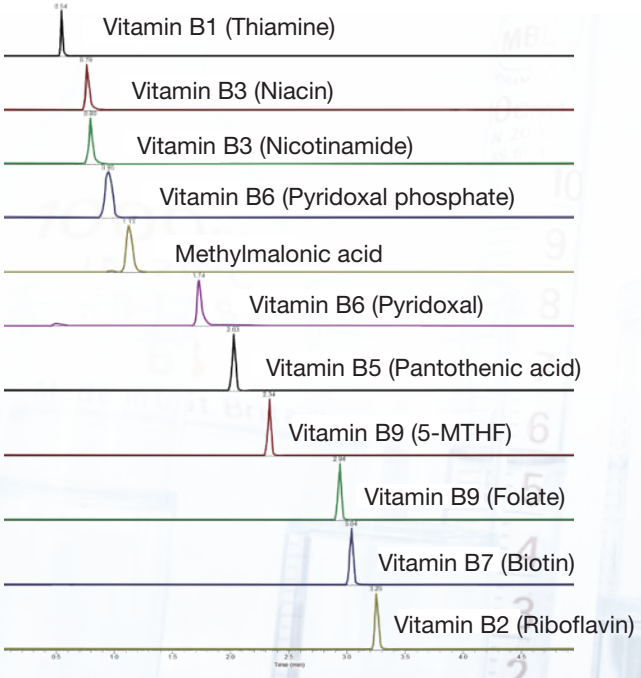
Analytes

Vitamin B1 (Thiamine)
Vitamin B2 (Riboflavin)
Vitamin B3 (Niacin & Nicotinamide)
Vitamin B5 (Pantothenic acid)
Vitamin B6 (Pyridoxal & Pyridoxal phosphate)
Vitamin B7 (Biotin)
Vitamin B9 (Folate & 5-Methyltetrahydrofolate)
Methylmalonic acid

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-20 μL (subject to instrument sensitivity)
- **Column Temperature:** 40℃
- **Analysis Time:** 5 minutes/sample

- **Recovery Rate:** 91-109%
- **Intra-assay CV:** ＜8%
- **Inter-assay CV:** ＜10%



Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	400 mL × 1	400 mL × 2	400 mL × 5	400 mL × 10
Mobile Phase B	150 mL × 1	150 mL × 2	150 mL × 5	150 mL × 10
Injector Cleanser	100 mL × 1	100 mL × 1	100 mL × 5	100 mL × 10
Extractant 1	5 mL × 1	5 mL × 2	5 mL × 5	5 mL × 10
Extractant 2	6 mL × 1	6 mL × 2	6 mL × 5	6 mL × 10
Extractant 3	2 mL × 1	2 mL × 2	2 mL × 5	2 mL × 10
Centrifuge Tubes	96 units	192 units	480 units	960 units
Ultrafiltration Tubes	96 units	192 units	480 units	960 units
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
pH Test Strips	1 pack	1 pack	1 pack	1 pack
Component Set B				
Internal Standard	2.5 mL × 1	2.5 mL × 2	2.5 mL × 5	2.5 mL × 10
Calibrator Set	1 ml × 1 × 6 levels	1 ml × 2 × 6 levels	1 ml × 5 × 6 levels	1 ml × 10 × 6 levels
Control Set	1 ml × 1 × 3 levels	1 ml × 2 × 3 levels	1 ml × 5 × 3 levels	1 ml× 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Urine Catecholamines & Metabolites Assay Kit

Catecholamines are a type of neurohormone containing catechol and amine groups. They regulate basic physiological functions in the body and transmit physiological signals, and are important signal mediators in normal physiological processes. Their levels will change accordingly during the pathological process, and it can be used clinically to assist in the diagnosis of secondary hypertension, pheochromocytoma, neuroblastoma, secondary diabetes and other diseases. Urinary catecholamines are important indicators in the differential diagnosis of pheochromocytoma.

◆ Accurate quantification of 6 catecholamine indicators simultaneously

Analytes

Dopamine
3-Methoxytyramine
Norepinephrine
Metanephrine
Methylmalonic acid
Normetanephrine

Parameters

- **Sample Type:** 24-hour Urine
- **Injection Volume:** 10 μL
- **Column Temperature:** 40˚C
- **Ion Source:** ESI
- **Analysis Time:** 7 minutes/sample
- **Recovery Rate:** 89-112%
- **Intra-assay CV:** ＜12%
- **Inter-assay CV:** ＜12%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	180 mL × 1	360 mL × 1	500 mL × 2	500 mL × 4
Mobile Phase B	200 mL × 1	400 mL × 1	500 mL × 2	500 mL × 4
Injector Cleanser	80 mL × 1	100 mL × 1	500 mL × 1	500 mL × 1
Internal Standard	2.5 mL × 1	5 mL × 1	5 mL × 3	5 mL × 6
Buffer Solution 1	4 mL × 1	4 mL × 2	5 mL × 4	5 mL × 8
Buffer Solution 2	4 mL × 1	4 mL × 2	5 mL × 4	5 mL × 8
Derivatization Agent	4 mL × 1	4 mL × 2	5 mL × 4	5 mL × 8
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
Component Set B				
Calibrator Set	100 μL × 1 × 6 levels	100 μL × 2 × 6 levels	100 μL × 5 × 6 levels	100 μL × 10 × 6 levels
Control Set	100 μL × 1 × 3 levels	100 μL × 2 × 3 levels	100 μL × 5 × 3 levels	100 μL × 10 × 3 levels

Note： Calibrators and Controls are available for sale separately

Serum Catecholamines & Metabolites Assay Kit

Catecholamines are a type of neurohormone containing catechol and amine groups. They regulate basic physiological functions in the body and transmit physiological signals, and are important signal mediators in normal physiological processes. Their levels will change accordingly during the pathological process, and it can be used clinically to assist in the diagnosis of secondary hypertension, pheochromocytoma, neuroblastoma, secondary diabetes and other diseases.

The amount of catecholamines in the human body is extremely low. In addition, catecholamines are unstable in the blood and are easily oxidized by various enzymes, so they cannot reflect the true levels of catecholamines in the body. However, catecholamine metabolites are continuously released into the blood, the chemical properties of which are relatively stable, and are not easy to decompose in a short period of time. The joint assay of catecholamine prototype substances and metabolites will help reduce the false negative diagnosis.

◆ Accurate quantification of 6 catecholamine indicators simultaneously

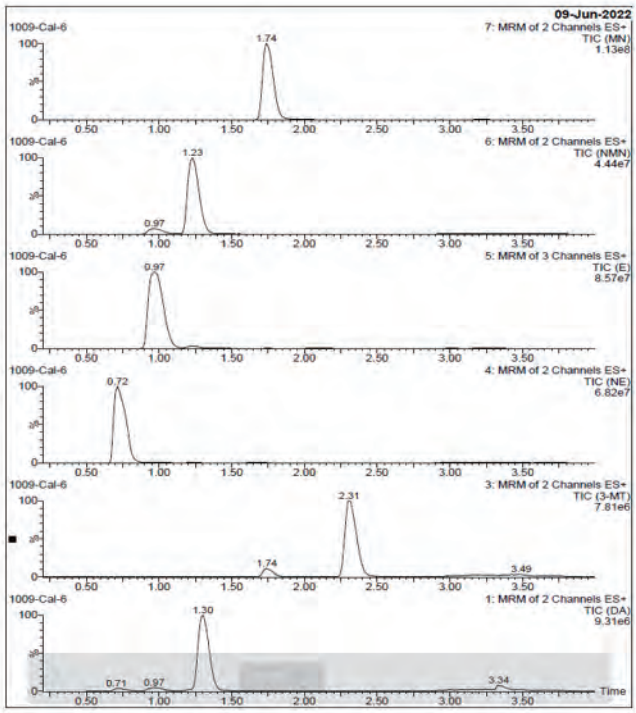
Analytes

Dopamine	Metanephrine
3-Methoxytyramine	Methylmalonic acid
Norepinephrine	Normetanephrine

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-20 μL (subject to instrument sensitivity)
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 4.5 minutes/sample

- **Recovery Rate:** 89-112%
- **Intra-assay CV:** ＜12%
- **Inter-assay CV:** ＜12%



Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	200 mL × 1	500 mL × 1	500 mL × 2	500 mL × 4
Mobile Phase B	200 mL × 1	500 mL × 1	500 mL × 2	500 mL × 4
Injector Cleanser	100 mL × 1	100 mL × 1	500 mL × 1	500 mL × 1
Activator	30 mL × 1	60 mL × 1	150 mL × 1	300 mL × 1
Diluent	30 mL × 1	60 mL × 1	150 mL × 1	300 mL × 1
Eluant 1	30 mL × 1	60 mL × 1	150 mL × 1	300 mL × 1
Eluant 2	5 mL × 1	10 mL × 1	25 mL × 1	50 mL × 1
Reconstitution Agent	5 mL × 1	10 mL × 1	25 mL × 1	50 mL × 1
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Purification Plate	1 unit	2 units	5 units	10 units
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	2 mL × 1	5 mL × 1	10 mL × 1	20 mL × 1
Calibrator Set	700 µL × 1 × 6 levels	700 µL × 2 × 6 levels	700 µL × 5 × 6 levels	700 µL × 10 × 6 levels
Control Set	700 µL × 1 × 3 levels	700 µL × 2 × 3 levels	700 µL × 5 × 3 levels	700 µL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Free T3 & Free T4 Assay Kit

Free triiodothyronine (FT3) and free tetraiodothyronine (FT4) are the physiologically active forms of total triiodothyronine (TT3) and total tetraiodothyronine (TT4). FT3 and FT4 levels are a true reflection of hormone metabolism status. They are more sensitive than TT4 and TT3, and would not be interfered by reverse triiodothyronine (rT3) in the serum.

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-30 μL (subject to instrument sensitivity)
- **Column Temperature:** 40˚C
- **Ion Source:** ESI
- **Analysis Time:** 6 minutes/sample
- **Recovery Rate:** 86-105%
- **Intra-assay CV:** ＜7%
- **Inter-assay CV:** ＜10%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	350 mL × 1	350 mL × 2	500 mL × 4	500 mL × 7
Mobile Phase B	350 mL × 1	350 mL × 2	500 mL × 5	500 mL × 7
Injector Cleanser	100 mL × 1	100 mL × 2	500 mL × 1	500 mL × 2
Dialysate	25 mL × 1	50 mL × 1	150 mL × 3	250 mL × 6
Activator	250 mL × 1	500 mL × 1	500 mL × 3	500 mL × 5
Eluant 1	150 mL × 1	300 mL × 1	400 mL × 2	500 mL × 3
Eluant 2	150 mL × 1	300 mL × 1	400 mL × 2	500 mL × 3
Eluant 3	150 mL × 1	300 mL × 1	400 mL × 2	500 mL × 3
Eluant 4	60 mL × 1	120 mL × 1	300 mL × 1	300 mL × 2
Reconstitution Agent	10 mL × 1	20 mL × 1	50 mL × 1	100 mL × 1
Equilibrium Dialysis Plate	1 unit	2 units	5 units	10 units
96-Well SPE Plate	1 unit	2 units	5 units	10 units
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
Reaction Tubes	100 units	200 units	500 units	1000 units
Component Set B				
Internal Standard	20 mL × 1	40 mL × 1	100 mL × 1	200 mL × 1
Calibrator Set	800 μL × 1 × 6 levels	800 μL × 2 × 6 levels	800 μL × 5 × 6 levels	800 μL × 10 × 6 levels
Control Set	800 μL × 1 × 3 levels	800 μL × 2 × 3 levels	800 μL × 5 × 3 levels	800 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

Multiple Sex Hormones Assay Kit

Polycystic ovary syndrome (PCOS) is a disease caused by increased male hormones in women. Studies have shown that androgen such as testosterone, androstenedione (A4), 17 α -hydroxyprogesterone (17 α -OHP), dihydrotestosterone (DHT) and dehydroepiandrosterone sulfate (DHEAS) are closely related to PCOS. By testing the above androgen indicators, it could help to distinguish PCOS from other hyperandrogenism.

◆ Accurate quantification of 5 hormones simultaneously

Analytes

Androstenedione (A4)
Dihydrotestosterone (DHT)
Testosterone
Dehydroepiandrosterone Sulfate (DHEAS)
17 α -Hydroxyprogesterone (17 α - OHP)

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 2-30 μL (subject to instrument sensitivity)
- **Column Temperature:** 40˚C
- **Ion Source:** ESI
- **Analysis Time:** 5 minutes/sample
- **Limit of Quantitation:** 0.05 ng/mL (Testosterone, 17 α -OHP, DHT), 0.1 ng/mL (A4), 10 ng/mL (DHEAS)
- **Linearity:** 0.05-6 ng/mL (Testosterone, 17 α -OHP, DHT), 0.1-12 ng/mL (A4), 25-3000 ng/mL (DHEAS)
- **Recovery Rate:** 91-108%
- **Intra-assay CV:** ＜6%
- **Inter-assay CV:** ＜9%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	150 mL × 1	300 mL × 1	400 mL × 2	500 mL × 3
Mobile Phase B	350 mL × 1	350 mL × 2	450 mL × 4	500 mL × 7
Injector Cleanser	100 mL × 1	100 mL × 1	500 mL × 1	500 mL × 1
Precipitant	25 mL × 1	50 mL × 1	150 mL × 1	300 mL × 1
Eluant 1	20 mL × 1	40 mL × 1	100 mL × 1	200 mL × 1
Eluant 2	20 mL × 1	40 mL × 1	100 mL × 1	200 mL × 1
Eluant 3	5 mL × 1	10 mL × 1	25 mL × 1	50 mL × 1
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Purification Plate	1 unit	2 units	5 units	10 units
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
Component Set B				
Mobile Phase A	2.5 mL × 1	5 mL × 1	5 mL × 3	5 mL × 6
Mobile Phase B	400 μL × 1 × 6 levels	400 μL × 2 × 6 levels	400 μL × 5 × 6 levels	400 μL × 10 × 6 levels
Injector Cleanser	400 μL × 1 × 3 levels	400 μL × 2 × 3 levels	400 μL × 5 × 3 levels	400 μL × 10 × 3 levels

Note : Calibrators and Controls are available for sale separately

CE

Multiple Steroid Hormones Assay Kit

Steroid hormones are a class of tetracyclic aliphatic hydrocarbon compounds. The increase or decrease of steroid hormones in the human body is closely related to some clinical diseases, such as congenital adrenal hyperplasia, polycystic ovary syndrome (PCOS), endocrine disorders, adrenal insufficiency and 3-, 17- and 21-hydroxylase deficiency. Each steroid hormone acts as a node in the metabolic network and interacts with each other. If the changes of each hormone level in the metabolic network can be characterized in detail, it is of great significance for diagnosing clinical diseases and monitoring of the endocrine state of the body.

◆ Accurate quantification of 19 steroid hormones simultaneously

Analytes

Aldosterone	Androstenedione	Corticosterone	Cortisol
Cortisone	Dehydroepiandrosterone	11-Deoxycortisol	21-Deoxycortisol
Dihydrotestosterone	Dexamethasone	Estradiol	Estriol
Estrone	18-Hydroxycorticosterone	17-Hydroxyprogesterone	21-Hydroxyprogesterone
17-Hydroxypregnenolone	Progesterone	Testosterone	

Parameters

- **Sample Type:** Serum
- **Injection Volume:** 10-30 μL (subject to instrument sensitivity)
- **Column Temperature:** 40℃
- **Ion Source:** ESI
- **Analysis Time:** 8 minutes/sample
- **Recovery Rate:** 91-108%
- **Intra-assay CV:** ＜8%
- **Inter-assay CV:** ＜11%

Components

Components \ Spec	96 tests/kit	192 tests/kit	480 tests/kit	960 tests/kit
Component Set A				
Mobile Phase A	150 mL × 1	300 mL × 1	400 mL × 2	500 mL × 3
Mobile Phase B	350 mL × 1	350 mL × 2	450 mL × 4	500 mL × 7
Injector Cleanser	100 mL × 1	100 mL × 1	500 mL × 1	500 mL × 1
Precipitant	25 mL × 1	50 mL × 1	150 mL × 1	300 mL × 1
Eluant 1	20 mL × 1	40 mL × 1	100 mL × 1	200 mL × 1
Eluant 2	20 mL × 1	40 mL × 1	100 mL × 1	200 mL × 1
Eluant 3	5 mL × 1	10 mL × 1	25 mL × 1	50 mL × 1
Centrifuge Tubes	100 units	200 units	500 units	1000 units
96-Well Purification Plate	1 unit	2 units	5 units	10 units
96-Well Plate & Cover	1 set	2 sets	5 sets	10 sets
Component Set B				
Internal Standard	5 mL × 1	5 mL × 2	5 mL × 5	50 mL × 1
Calibrator Set	400 μL × 1 × 6 levels	400 μL × 2 × 6 levels	400 μL × 5 × 6 levels	400 μL × 10 × 6 levels
Control Set	400 μL × 1 × 3 levels	400 μL × 2 × 3 levels	400 μL × 5 × 3 levels	400 μL × 10 × 3 levels

Note： Calibrators and Controls are available for sale separately

Shanghai Reigncom Biotechnology Co., Ltd.

Tel: 021-60838199

Fax: 021-60705089

Hot Line: 400-839-8199

Floor 3&4, 1st building of Building 1,
No. 3279 Sanlu Road, Minhang District, Shanghai 201112

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Not for in vitro diagnostic use in Australia unless first included in the Australian Register of Therapeutic Goods.