



ESBK-P2000

Fluorescence Immunoassay Analyzer



LABORATORY



Introduction:

ESBK-P2000 multi-channel dry fluorescence immunoassay analyzer, 12 independent incubation channels, automatic induction of reagent card insertion, automatic printing of test results, and automatic card loss. The 10.1-inch LCD screen has a better visual experience.

It is mainly composed of an optical detection module(fluorescence), a scanning module, a data processing module, a liquid crystal display module, an incubation module, an information acquisition module(ID card reader), a power supply and a printer.

Application:

It is suitable for in vitro diagnostic tests in central laboratories, outpatient/emergency laboratories, clinical departments, physical examination centers and scientific research laboratories of medical institutions.

Features:

1. 12 independent constant temperature incubation channels, which can detect 12 different items at the same time.
2. Automatic induction of reagent card insertion, automatic printing of test results, and automatic card loss.
3. Built-in thermal printer, can also be connected to an external printer.
4. 10.1-inch large LCD screen with a resolution of 1024*600 or more, the visual experience is better.
5. The temperature range can be manually set to quickly achieve the predetermined temperature effect and improve the reaction rate.
6. The operation is convenient, the data is automatically read, and the single detection time is less than 10s

Technical Parameters

Model	ESBK-P2000
Excitation Light Source	LED
Wavelength	Excitation wavelength $\lambda_0=365\text{nm}$ Detection wavelength $\lambda_1=615\text{nm}$
Detection Channel	1
Incubation Position	12
Sample Type	Serum, plasma, whole blood and urine, etc
Detection Mode	Supports multiple items in one card
Testing Speed	<10s/test
Repeatability	$CV \leq 5\%$
Stability	$\sigma \leq \pm 8\%$
Linear Correlation	$(r) \geq 0.98$
Accuracy	$\Delta n \leq \pm 8\%$
Display	10.1-inch color touch screen
Language	Chinese, English, Spanish, Other languages can be customized
Interface	RS232, USB, ethernet port
Printer	Built-in thermal printer
Power Supply	100~240V, 50/60Hz
External Size(L*W*H)mm	333*418*408
Net Weight(kg)	17
Package Size(L*W*H)mm	600*520*687
Gross Weight(kg)	36.5

Reagents

C reaction protein (supersensitive CRP+conventional CRP) Test Kit (Fluorescence immunochromatography method)	DR002-1	20T/box	Inflammation
Interleukin-6 (IL-6) Test Kit (Fluorescence immunochromatography method)	DR005-1	20T/box	
Serum amyloid A (SAA) Test Kit (Fluorescence immunochromatography method)	DR003-1	20T/box	
Procalcitonin (PCT) Test Kit (Fluorescence immunochromatography method)	DR004-1	20T/box	
Cardiac Troponin I (cTnI) Test Kit (Fluorescence immunochromatography method)	DR006-1	20T/box	Cardiac Markers
Creatine kinase isoenzyme MB/Cardiac Troponin I and Myoglobin(CK- MB/cTnI/MYO) Test Kit(Fluorescence immunochromatography method)	DR008-1	20T/box	
N-terminal brain natriuretic peptide precursor(NT-proBNP) Test Kit (Fluorescence immunochromatography method)	DR007-1	20T/box	
Heart-type Fatty Acid-Binding Protein (H- FABP) Test Kit (Fluorescence immunochromatography method)	DR009-1	20T/box	
D-Dimer Test Kit (Fluorescence immunochromatography method)	DR015-1	20T/box	
Myoglobin (MYO) Test Kit (Fluorescence immunochromatography method)	DR052-4	20T/box	
Creatine kinase isoenzyme MB(CK-MB) Test Kit (Fluorescence immunochromatography method)	DR051-4	20T/box	Cardiac Markers
Follicle Stimulating Hormone (FSH) Test Kit (Fluorescence immunochromatography method)	DR018-2	20T/box	Hormone
Luteinizing Hormone (LH) Test Kit (Fluorescence immunochromatography method)	DR020-2	20T/box	
Prolactin (PRL) Test Kit (Fluorescence immunochromatography method)	DR021-2	20T/box	
Thyroid Stimulating Hormone (TSH) Test Kit (Fluorescence immunochromatography method)	DR019-2	20T/box	
Anti-Mullerian Hormone (AMH) Test Kit (Fluorescence immunochromatography method)	DR023-2	20T/box	
β -Human chorionic gonadotropin (β -HCG) Test Kit (Fluorescence immunochromatography method)	DR024-2	20T/box	
Progesterone (PROG) Test Kit(Fluorescence immunochromatography method)	DR022-2	20T/box	
Estradiol (E2) Test Kit (Fluorescence immunochromatography method)	DR063-2	20T/box	

Testosterone (T) TestKit (Fluorescence immunochromatography method)	DR064-2	20T/box	Hormone
Cystatin C (CysC) Test Kit(Fluorescence immunochromatography method)	DR013-1	20T/box	Renal Function
Microalbuminuria (mAlb) Test Kit (Fluorescence immunochromatography method)	DR014-1	20T/box	
Neutrophil Gelatinase Associated Lipocalin (NGAL) Test Kit (blood) (Fluorescence immunochromatography method)	DR010-1	20T/box	
β 2-microglobulin (β 2-MG) Test Kit (Fluorescence immunochromatography method)	DR012-1	20T/box	
Hemoglobin A1c (HbA1C) Test Kit (Fluorescence immunochromatography method)	DR016-1	20T/box	Diabetes
Insulin(INS)Test Kit (Fluorescence immunochromatography method)	DR059-2	20T/box	
25-Hydroxy Vitamin D (25-OH-VD) Test Kit (Fluorescence immunochromatography method)	DR017-1	20T/box	Bone Metabolism
Ferritin Test Kit (Fluorescence immunochromatography method)	DR057-4	20T/box	Anemia
Free Thyroxime (FT4) Test Kit (Fluorescence immunochromatography method)	DR061-2	20T/box	Thyroid
Free Triiodothyronine (FT3) Test Kit (Fluorescence immunochromatography method)	DR062-2	20T/box	
Thyroid Hormone (TT4) Test Kit (Fluorescence immunochromatography method)	DR055-4	20T/box	
Triiodothyronine (TT3) Test Kit (Fluorescence immunochromatography method)	DR054-4	20T/box	
Carcinoembryonic Antigen (CEA) TestKit (Fluorescence immunochromatography method)	DR065-2	20T/box	Pepsinogen
Alpha Fetoprotein (AFP)Test Kit (Fluorescence immunochromatography method)	DR066-2	20T/box	
Carbohydrate Antigen 125 (CA125) TestKit (Fluorescence immunochromatography method)	DR067-2	20T/box	