



Fluorescence Immunoassay Analyzer



Darsun Scientific Inc, USA
30N Gould St Ste R Sheridan, Wyoming
82801, United States

Email: Info@darsunscientificinc.com
Phone: +1-3074272810
Web: www.darsunscientificinc.com

DarsunScientific



Darsun Scientific

Fluorescence Immunoassay Analyzer

DSP2000



Introduction

DSP2000 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.

Model	DSP2000
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≤5%
Stability	$\sigma\leq\pm 8\%$
Linear Correlation	(r)≥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

No.	Specifications	Category
C reaction protein (supersensitive CRP+conventional CRP) Test Kit (Fluorescence immunochromatography method)	20T/box	Inflammation
Interleukin-6 (IL-6) Test Kit (Fluorescence immunochromatography method)	20T/box	Inflammation
Serum amyloid A (SAA) Test Kit (Fluorescence immunochromatography method)	20T/box	Inflammation
Procalcitonin (PCT) Test Kit (Fluorescence immunochromatography method)	20T/box	Inflammation
Cardiac Troponin I (cTnI) Test Kit (Fluorescence immunochromatography method)	20T/box	Cardiac Markers
Creatine kinase isoenzyme MB/Cardiac Troponin I and Myoglobin (CK-MB/cTnI/MYO) Test Kit (Fluorescence immunochromatography method)	20T/box	Cardiac Markers
N-terminal brain natriuretic peptide precursor (NT-proBNP) Test Kit (Fluorescence immunochromatography method)	20T/box	Cardiac Markers
Heart-type Fatty Acid-Binding Protein (H-FABP) Test Kit (Fluorescence immunochromatography method)	20T/box	Cardiac Markers
D-Dimer Test Kit (Fluorescence immunochromatography method)	20T/box	Cardiac Markers
Myoglobin (MYO) Test Kit (Fluorescence immunochromatography method)	20T/box	Cardiac Markers
Creatine kinase isoenzyme MB (CK-MB) Test Kit (Fluorescence immunochromatography method)	20T/box	Cardiac Markers
Follicle Stimulating Hormone (FSH) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone
Luteinizing Hormone (LH) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone
Prolactin (PRL) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone

Thyroid Stimulating Hormone (TSH) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone
Anti-Mullerian Hormone (AMH) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone
β -Human chorionic gonadotropin (β -HCG) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone
Progesterone (PROG) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone
Estradiol (E2) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone
Testosterone (T) Test Kit (Fluorescence immunochromatography method)	20T/box	Hormone
Cystatin C (CysC) Test Kit (Fluorescence immunochromatography method)	20T/box	Renal Function
Microalbuminuria (mAlb) Test Kit (Fluorescence immunochromatography method)	20T/box	Renal Function
Neutrophil Gelatinase Associated Lipocalin (NGAL) Test Kit (blood) (Fluorescence immunochromatography method)	20T/box	Renal Function
β 2-microglobulin (β 2-MG) Test Kit (Fluorescence immunochromatography method)	20T/box	Renal Function
Hemoglobin A1c (HbA1C) Test Kit (Fluorescence immunochromatography method)	20T/box	Diabetes
Insulin (INS) Test Kit (Fluorescence immunochromatography method)	20T/box	Diabetes
C-Peptide (C-P) Test Kit (Fluorescence immunochromatography method)	20T/box	Diabetes

25-HydroxyVitamin D (25-OH-VD) Test Kit (Fluorescence immunochromatography method)	20T/box	Bone Metabolism
Ferritin Test Kit (Fluorescence immunochromatography method)	20T/box	Anemia
Vitamin B12 (VB12) Test Kit (Fluorescence immunochromatography method)	20T/box	Anemia
Free Thyroxime (FT4) Test Kit (Fluorescence immunochromatography method)	20T/box	Thyroid
Free Triiodothyronine (FT3) Test Kit (Fluorescence immunochromatography method)	20T/box	Thyroid
Thyroid Hormone (TT4) Test Kit (Fluorescence immunochromatography method)	20T/box	Thyroid
Triiodothyronine (TT3) Test Kit (Fluorescence immunochromatography method)	20T/box	Thyroid
CarcinoembryonicAntigen (CEA) TestKit (Fluorescence immunochromatography method)	20T/box	Tumor marker
Alpha Fetoprotein (AFP)TestKit (Fluorescence immunochromatography method)	20T/box	Tumor marker
Carbohydrate Antigen 125 (CA125) TestKit (Fluorescence immunochromatography method)	20T/box	Tumor marker
Carbohydrate Antigen 19-9 (CA19-9) Test Kit (Fluorescence immunochromatography method)	20T/box	Tumor marker
Pepsinogen I and Pepsinogen II (PGI/PGII)Test Kit (Fluorescence immunochromatography method)	20T/box	Gastric Function
Anti streptolysin O (ASO) Test Kit (Fluorescence immunochromatography method)	20T/box	Rheumatism
IgE antibody Test Kit (Fluorescence immunochromatography method)	20T/box	Allergen Test