

Microfluidics Immunofluorescence Analyzer

# FREND™ 2.0

MICROFLUIDICS

FLUORESCENCE ANALYZER

QUANTITATIVE



Your Health  
**Never be Compromised!**

# FREND™ 2.0 provides a wide range of test items

## FREND™ 2.0 Application

Class	Test item	Cat. no	Sample type	Sample volume	AMR/Result	Pretreatment	Certification
UROLOGY	PSA Plus	FRPS 025	Serum or Plasma	35 µL	0.05 ~ 25 ng/mL	-	CE, MFDS, FDA, NMPA
	Testosterone	FRTEAP 020	Serum or Plasma	70 µL	0.2 ~ 15 ng/mL	O	CE, MFDS, FDA
THYROID	TSH	FRTS 025	Serum or Plasma	35 µL	0.06 ~ 25 mIU/L	-	CE, MFDS, FDA, PMDA
	Free T4	FRT4AP 020	Serum or Plasma	70 µL	0.4 ~ 6 ng/dL	O	CE, MFDS, FDA
	Total T3	FRTT3AP 020	Serum or Plasma	70 µL	0.40 ~ 6 ng/mL	O	CE, MFDS
	Thyroid Duo (TSH/Free T4)	FRTDAP 020	Serum or Plasma	70 µL	0.06 ~ 25 mIU/L (TSH) 0.4 ~ 6 ng/dL (Free T4)	O	CE, MFDS, PMDA
EMERGENCY	PCT	FRPC 025	Serum	35 µL	0.07 ~ 32 ng/mL	-	CE, MFDS
	BNP	FRBN 025	EDTA - Plasma	35 µL	30 ~ 2500 pg/mL	-	CE, MFDS, NMPA
	Troponin I	FRTI 025	EDTA - Plasma	35 µL	0.05 ~ 20 ng/mL	-	CE, MFDS
	Cardiac Triple (TnI, CK-MB, Myoglobin)	FRCT 025	EDTA - Plasma	35 µL	0.05 ~ 20 ng/mL (Troponin I) 1 ~ 80 ng/mL (CK-MB) 5 ~ 500 ng/mL (Myoglobin)	-	CE, MFDS
	D-Dimer	FRDD 025	Citrate - Plasma	35 µL	50 ~ 10,000 ng/mL FEU	-	CE, MFDS
	hsCRP	FRhCR 025	Serum	35 µL	0.20 ~ 100 mg/L	-	CE, MFDS
RESPIRATORY	FLU A&B	FRFL 020	Nasopharyngeal swab	35 µL	Positive/Negative	-	CE, MFDS
	COVID-19 Ag	FRCOG 020P	Nasopharyngeal swab	35 µL	Positive/Negative	-	CE, MFDS*
	COVID-19 Ag+FLU A&B	FRCGFL 020	Nasopharyngeal swab	35 µL	Positive/Negative	-	CE, MFDS*
	COVID-19 total Ab**	FRCOA 020	EDTA-Plasma	35 µL	Positive/Negative	-	CE, MFDS*, FDA EUA
	COVID-19 IgG/IgM Duo	FRCOD 020	Serum or Plasma	35 µL	Positive/Negative	-	CE, MFDS*
	COVID-19 SP	FRCOS 020	Serum or Plasma	35 µL	Reactive/Non-reactive	-	CE, MFDS*
	COVID-19 Neutralization Ab	FRCON 020	Serum or EDTA-Plasma	35 µL	Reactive/Non-reactive	O	CE, MFDS*
VITAMIN	Vitamin D	FRVDAP 020	Serum or Plasma	35 µL	10 ~ 110 ng/mL	O	CE, MFDS, FDA

Products comply with CE certification.

\*Export only

\*\*COVID-19 total Ab is for US sales only.

## FREND™ 2.0 Specification

Specification		FREND™ 2.0	FREND AP
Electrical rating	Voltage	100 ~ 240 V	100 ~ 240 V~
	Current	1.7 A	1.7 A
	Frequency	50/60 Hz	50 / 60 Hz
Output	Voltage	DC 12 V	DC 12 V
	Current	5.0 A	5.0 A
Dimensions (WxLxH)		276 x 263 x 202 mm	195 x 230 x 210 mm
Weight		3.4 Kg	4 Kg



Scan for more information



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NESCT-F20-001E(V.0.5)

# FREND™ 2.0

## Simple, Streamlined, Familiarity.

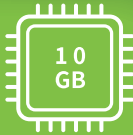
FREND™ 2.0 features more powerful hardware components and improved connectivity options. Its redesigned user interface offers a more intuitive and user-friendly experience, with simplified navigation and more organized menus for easier access to key functions. Moreover, its accelerated data processing capabilities provide faster data analysis and results generation. Discover the benefits of our upgraded platform, designed for high efficiency and user convenience.

### Features



#### No Extra Cost of Calibration

Simple calibration with code chip, which can be done in 5 sec. without extra cost



#### Large Memory

10 GB memory, which enable to store up to 100,000 testing results

#### More Smooth Operation

8" high sensitive touchscreen  
Windows 10 O/S operation

#### Convenient & Easy-to-Use

Intuitive and familiar Interface  
Multi-language support  
Save up to 100,000 test results  
LIS/HIS Connection

#### Get Result in only 3 Minutes

Utilizing advanced microfluidics technology, accurate and precise results obtained less than 3 minute, with simple 3 steps.



### Simple Test Procedure



STEP 01.  
Load sample

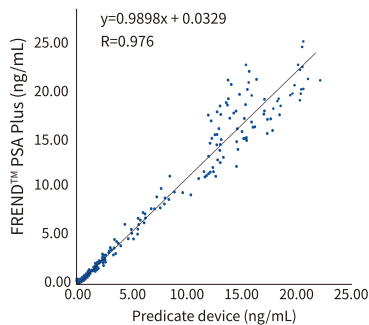


STEP 02.  
Insert cartridge



STEP 03.  
Get results

## Superior Accuracy



Source: DOCR0. INC (USA)

### Quick Mode

'Quick Mode' enables parallel sequential testing for quick resulting of large samples



### LIS/HIS Connectivity

Easy search, export, and transmit the testing data to LIS or HIS



### Built-in Thermal Printer

Real-time auto-printing  
Also support for external printers

### Alarm System

The alarm system prevents using expired cartridges or missing routine test dates.

### Enhanced Connectivity

Wi-Fi adaptor, scanner, keyboard or mouse etc. can be connected through USB port.  
Ready for diverse application scenarios

### Barcode/QR Code Scanner

Automate patient data entry & code chip installation by scanning barcodes & QR codes.

## FDA510(K) Clearance

