

Exdia Test

All Exdia Test cassettes can be stored and transported under Room Temperature condition with 12 months of shelf-life.

WB : Whole Blood, P : Plasma, S : Serum							
Category	Product Code	Product Name	Specimen	Sample Volume	Measuring Time	Measuring Range	Certification
Cardiac	PR-FC01	Exdia Troponin I	WB/P/S	80 µL	15 min	0.03-30 ng/mL	CE, MFDS
	PR-FC02	Exdia NT-proBNP	WB/P/S	80 µL	15 min	20-12,000 pg/mL	CE, MFDS
	PR-FC03	Exdia D-dimer	WB/P	10 µL (WB) 5 µL (P/S)	15 min	120-4,400 ng/mL	CE, MFDS
	PR-FC04	Exdia 3-in-1	WB/P/S	80 µL	15 min	TnI : 0.03-30 ng/mL CK-MB : 2-200 ng/mL Myo : 10-500 ng/mL	CE
Inflammation	PR-FC05	Exdia PCT	WB/P/S	20 µL (WB) 10 µL (P/S)	15 min	0.07-30 ng/mL	CE, MFDS
	PR-FC06	Exdia CRP	WB/P/S	2 µL	5 min	0.1-150 µg/mL	CE
Tumor	PR-FC07	Exdia iFOB	Stool	-	5 min	25-1,000 ng/mL 5-200 µg/g	CE, MFDS
Infectious disease	PR-FC09	Exdia Influenza A+B	Nasopharyngeal swab	-	10 min	-	CE, MFDS
Hormone	PR-FC10	Exdia β-hCG	WB/P	80 µL	10 min	2-500 mIU/mL	CE, MFDS
Others	PR-FC11	Exdia Vitamin D	P/S	80 µL	25 min	8.4-100 ng/mL	CE, MFDS

MFDS : Ministry of Food and Drug Safety (Korea)
* Due to regulatory reasons, not all products are available in all countries.

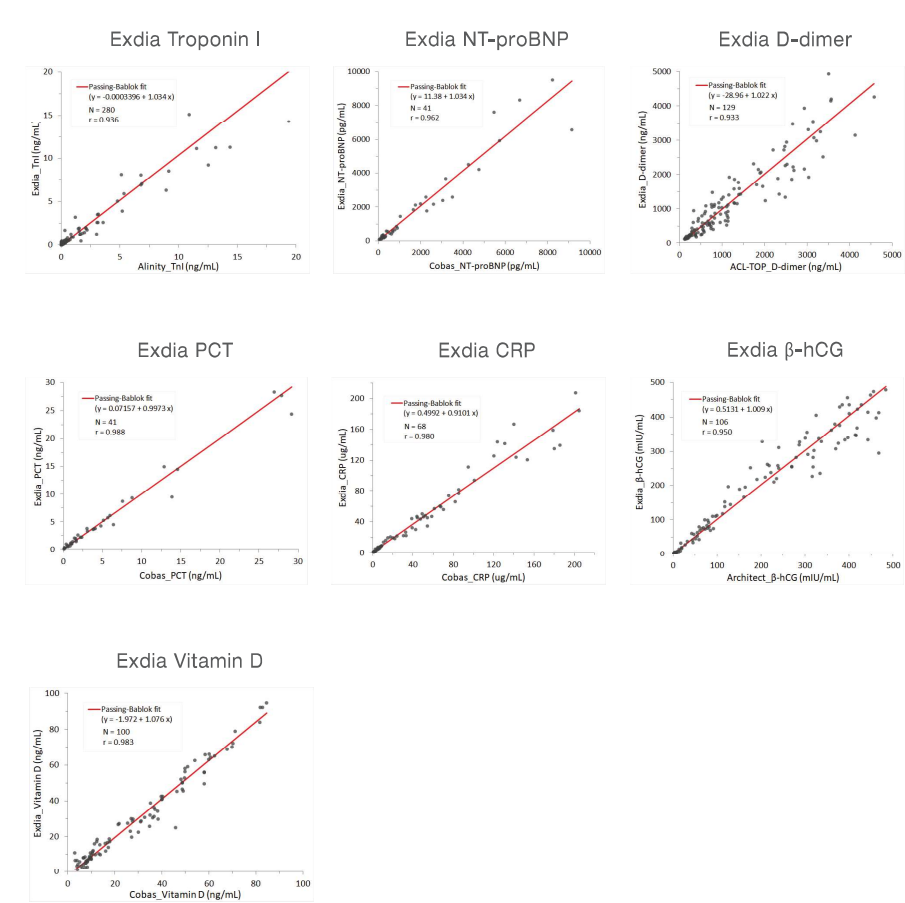
Coming soon

Category	Product Name	Specimen	Sample Volume	Measuring Time	Measuring Range	Certification
Cardiac	Exdia D-dimer	WB/P/S	80 µL	15 min	120-4,400 ng/mL	CE
	Exdia SOB (Shortness of Breath)	WB/P/S	80 µL	15 min	TnI : 0.03-30 ng/mL NT-proBNP : 20-12,000 pg/mL D-dimer : 120-4,400 ng/mL	CE
Infectious disease	Exdia Strep A	Throat swab	-	5 min	-	CE

* Technical specifications are subject to change without notice.



Exdia Correlation Study



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CT_PD-FC20_EN_20200106



| Smart Immunoassay Analyzer



Exdia TRF Plus

Create Solutions for Better Care – Better Life

Exdia TRF Analyzer is a portable, reliable, and easy-to-use immunoassay analyzer equipped with innovative imaging-based Time-Resolved Fluorescence technology, providing accurate, quantitative test results in critical care settings.

Easy to Use – Excellence in Technology

- User-friendly 7" color LCD touch screen with clear step-by-step instruction
- Multiple analytes tested in a single run
- Whole blood use with no sample pre-treatment required
- Cutting-edge Time-Resolved Fluorescence detection technique
- High sensitivity due to improved Signal-to-Noise ratio



Step 1. Add sample



Step 2. Insert cassette



Step 3. Get results

Compact in Size – Expandable in Connectivity

- Small footprint and portable
- Lightweight 1.6kg and easy to move
- Battery operation allows testing in ER, ambulance, critical care setting



• LAN connectivity



• External printer



• Barcode reader



• USB memory



• WIFI dongle

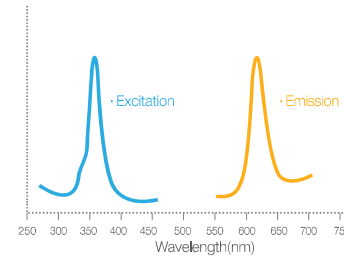


• Keyboard / Mouse

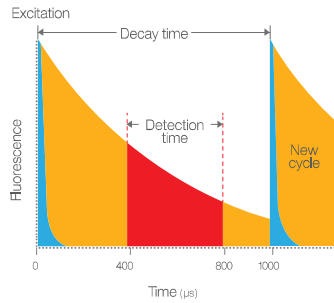
Exdia TRF analyzer uses Time-Resolved Fluorescence based on Europium (Eu) labeling, minimizing background fluorescence and leading to enhanced clinical sensitivity.

TRF (Time-Resolved Fluorescence) Imaging Technology

■ Large Stokes Shift & Long Decay Time of Eu



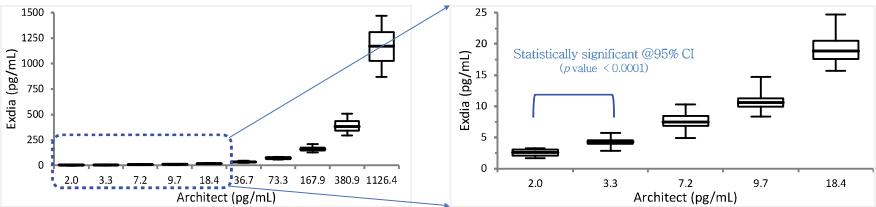
TRF eliminates auto-fluorescence and interference signal by measuring the emitted fluorescent signal with excitation source turned off.



Platform	Label	Cost	Sensitivity/specificity	Complexity
Absorbance/ Reflectance	Gold Latex Carbon	Low	Low / Low	Low
Conventional Fluorescence	Fluorescent dye	High	High / Low	High
Time-Resolved Fluorescence	Eu particle	Moderate	High / High	Moderate

■ Exploration of TRF sensitivity using Exdia TnI

- Discrimination of 3.3 pg/mL from 2.0 pg/mL (in comparison with Architect TnI, Abbott)



* Serially-diluted plasma with TnI standard research material, Exdia TnI 20 repetitions/Conc.

Product Specifications

Screen	7" Color touch screen
Memory	10,000 tests
Communication Interface	HL7, ASTM communication via Ethernet
Data Transfer	USB, Ethernet, WiFi (option)
External Device Support	Barcode reader, Keyboard, Mouse, Printer
Power Adapter	Input : 100~240V, 50~60Hz Output : 12V, 5A
Battery Pack	Lithium Polymer (rechargeable battery)
Battery Operation	90 minutes
Dimension (WxDxH)	210 x 275 x 182 mm
Weight	1.6 kg

Operation conditions

Temperature Range	10 to 40℃
Relative Humidity	10 ~ 80%
Maximum Altitude	2,000 m

Storage condition

Temperature Range	-10 to 50℃
Relative Humidity	10 ~ 80%

