

Introducing

AutoChem MultiCheck

Time-resolved Fluorescence Immunoassay Analyser



- Time Resolved Fluorescence Immunoassay Analyser powered by Eu^{3+} lanthanides for Improved Specificity and Accuracy
- Wide Range Of Fully Quantitative Tests Parameters Covering Important Categories Like Diabetes, Cardiac, Inflammation, Thyroid & many more.
- Multiple Sample Types, Whole Blood/ Serum/ Plasma/ Urine
- Pre-filled Diluent Vials to Prevent volume related errors
- Reagents with Long Shelf Life of 24 months for Flexibility
- Large 8 Inch Colour Touch Screen make it Easy to Operate and View Results
- 50K Test Memory & In-built Thermal Printer to view and print results as per Convenience



TIME RESOLVED FLUORESCENCE IMMUNOASSAY [TRFIA] powered by **Eu³⁺ LANTHANIDES** is the latest innovation in Immunoassay technique. TRFIA overcomes the drawbacks of Steady State FIA because of which AUTOCHEM Multicheck can offer:

More ACCURACY, More SENSITIVITY More FLEXIBILITY

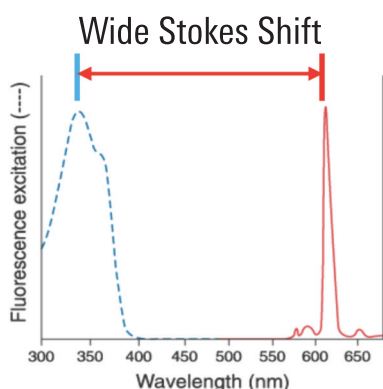
AUTOCHEM MULTICHECK TRFIA

Vs.

STEADY STATE / NORMAL FIA



Special Lanthanide (Eu) labeled Antibody



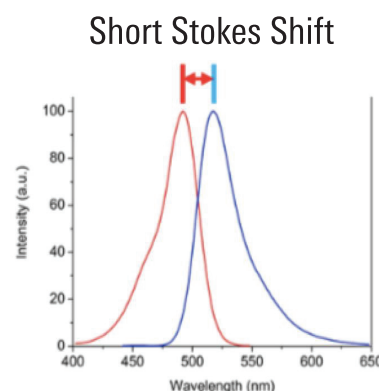
Due to the special characteristics of **Eu³⁺ LANTHANIDES** there is a time gap between Excitation & Emission resulting in a **High Stokes Shift**. **Isolated measurement of Emission improves accuracy.**



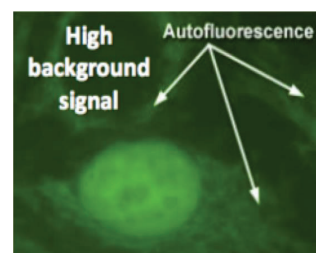
Due to isolation of emission Autofluorescence doesn't affect the measurement resulting in **Low Background Noise and Sharp Signal**. This improves sensitivity as well as accuracy.



Regular Fluorescent labeled Antibody



Due to Fluorescent agent, Excitation & Emission happens simultaneously resulting in a **Short Stokes Shift**. **Simultaneous measurement of Emission reduces accuracy.**



Autofluorescence and simultaneous Excitation & Emission results in **High Background Noise and Unstable Signal**. This reduces sensitivity as well as accuracy.

AUTOCHEM Multicheck TRFIA Analyser can analyse a wide range of tests and provide fully quantitative results.

- **Pre-filled Diluent Vials to prevent volume related errors**
- **Reagents with Long Shelf Life of 24 months for Flexibility**
- **Individually Packed Tests for Protection & Ease of handling**
- **Small pack size of only 25 tests makes it convenient & economical**



CATEGORY	TEST	SAMPLE TYPE	SAMPLE VOLUME	MIXING TIME	INCUBATION TIME
DIABETES	HbA1c	WB	5µl	60 seconds	5 minutes
THYROID	TSH	WB/S/P	75µl	60 seconds	15 minutes
THYROID	T3	WB/S/P	75µl	60 seconds	15 minutes
THYROID	T4	WB/S/P	S/P 75µl WB 150µl	60 seconds	15 minutes
THYROID	FT3	WB/S/P	75µl	60 seconds	15 minutes
THYROID	FT4	WB/S/P	S/P 75µl WB 150µl	60 seconds	15 minutes
INFLAMMATION	PCT	WB/S/P	50µl	60 seconds	15 minutes
INFLAMMATION	PIL-6	WB/S/P	50µl	60 seconds	15 minutes
INFLAMMATION	SAA	WB/S/P	5µl	60 seconds	3 minutes
INFLAMMATION	CRP	WB/S/P	5µl	60 seconds	3 minutes
CARDIAC	cTnl	WB/S/P	75µl	60 seconds	15 minutes
CARDIAC	NT-proBNP	WB/S/P	30µl	60 seconds	15 minutes
CARDIAC	D-Dimer	WB/S/P	10µl	60 seconds	5 minutes
CARDIAC	CK-MB	WB/S/P	75µl	60 seconds	15 minutes
PREGNANCY	βHCG	WB/S/P	10µl	60 seconds	15 minutes

AUTOCHEM Multicheck TRFIA Analyser comes equipped with special Incubator to ensure tests are performed at the right temperature for accuracy.

- It's an auxiliary device used to run tests at specific temperatures.
- Provides an environment set to the correct temperature of the Kit / Cartridge when heating is required between tests.
- Use of this ensures test results are accurate and at mark.
- Also eliminate chances of error caused due to temperature variations
- 6 sepearte chambers each with timer facility to perform mutliple tests
- In-built alarm to alert when the incubation time is complete



TECHNICAL SPECIFICATIONS

NAME	AUTOCHEM MULTICHECK TIME RESOLVED IMMUNOFLUORESCENCE ANALYSER
MODEL	EASY -1L
SAMPLE TYPE	WHOLE BLOOD / SERUM / PLASMA
SPEED	100-200 T/H (10 SECONDS PER READING)
SYSTEM	ANDROID
DISPLAY	8 INCHES COLOURFUL TOUCH SCREEN
MEMORY	50,000 TEST RECORDS
PRINTER	BUILT-IN THERMAL PRINTER
CALIBRATION	QR CODE
TEST MODE	STANDARD TEST & QUICKTEST
CONNECTIVITY	SERIAL PORT, USB, WLAN
SIZE	245 X 270 X 160 MM
WEIGHT	2 KG



For more information / booking contact

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