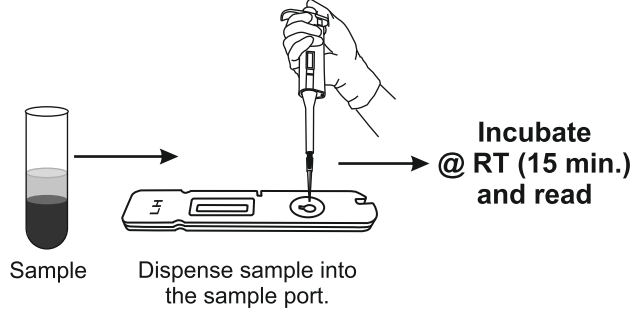


Simpler Assay Designs with Faster TAT

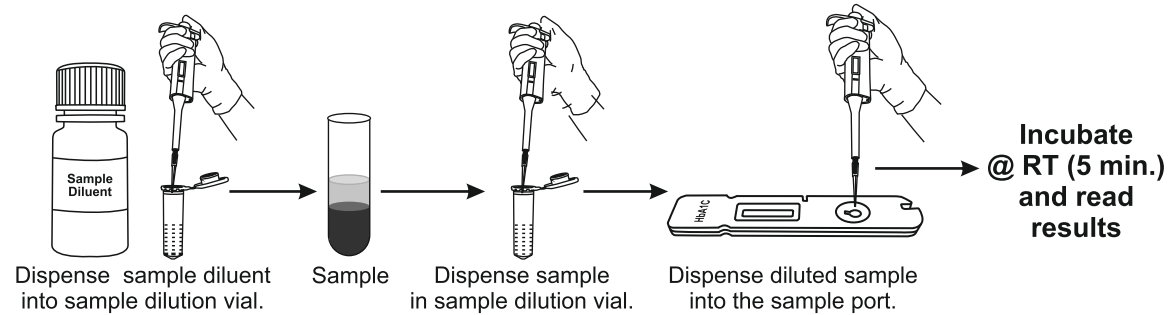
1 Step

Ex. LH



2 Step

Ex. HbA1c



• **Simpler** • **Faster** • **Better**

FIAcheck™ Parameter Menu

Thyroid Markers	TSH	25T	Diabetic Marker	HbA1C	25T	
	TT3	25T		Inflammation	CRP	25T
	TT4	25T			PCT	10T
Fertility Marker	FSH	25T	IL-6		10T	
	LH	25T	Anemic Marker	Ferritin	10T	
	PRL	25T		Coagulation	D-Dimer	10T
	β-hCG	25T	Cardiac Markers		cTnI	10T
	AMH	10T		NT-proBNP	10T	
Cancer Marker	PSA	10T	Vitamins	Vitamin D	10T	
	Rhematology	Anti-CCP		10T	Vitamin B12*	10T
Allergy			IgE		10T	

*Coming soon

Quality Products with Value Addition

ISO 13485
Certified Company



TULIP DIAGNOSTICS (P) LTD.

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LIT01-23/VER-01

FIAcheck™



**Towards The future of
Fluorescence Immunoassays**

Size 420mm W x 297mm H

FIACheck™

POCT Fluorescence Immunoassay System based on Time Resolved Fluorescence.

Time-Resolved Fluorescence (TRF) spectroscopy is a technique used to monitor interactions between molecules and motions that occur in the short periods. During standard fluorometric detection, excitation and emission are simultaneous; the light emitted by the sample is measured while excitation is taking place. In contrast to this, TRF relies on the use of very specific fluorescent molecules, called lanthanide chelate labels, which allow detection of the emitted light to take place after excitation has occurred.

Advantages of Time Resolved Fluorescence

A Large Stokes Shift

Avoids self-quenching due to overlap between absorption and emission spectra improving accuracy and reproducibility of results.

Sharp Emission Peak

Improves Sample to Background ratio resulting in Improved Accuracy.

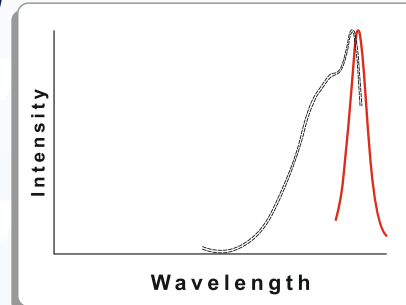
High-intensity Signals

Improved Assay Sensitivity.

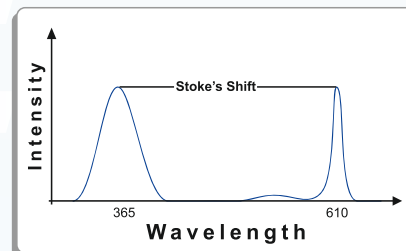
Long Fluorescence Lifetime

Long Assay stability enabling ease of use.

Steady State Fluorescence



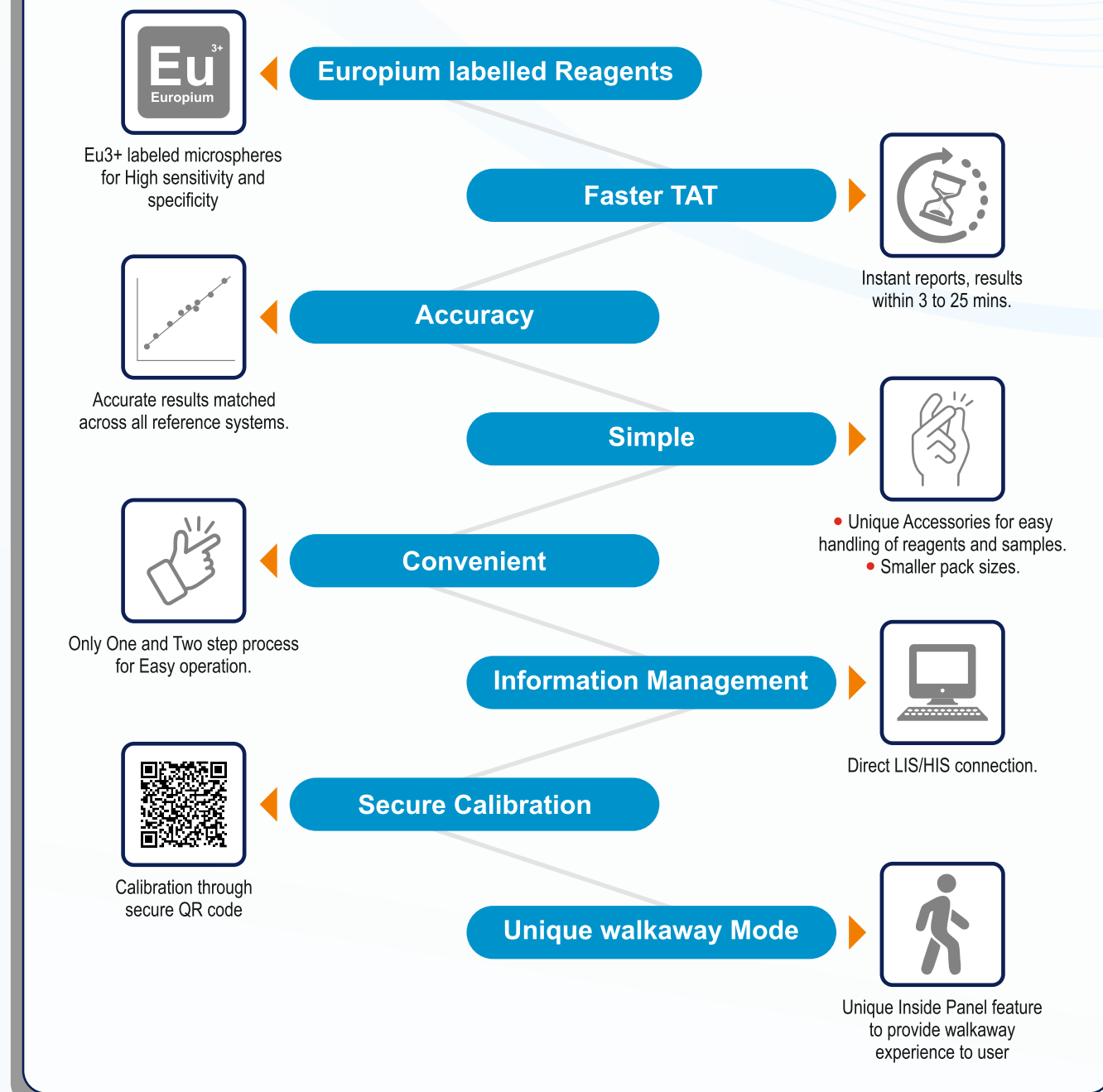
Time Resolved Fluorescence



Introducing FIACheck™ 1.0 - Time Resolved Fluorescence Analyzer



Why Choose FIACheck™?



FIACheck™ 1.0 Key Specification:

- ▶ Easily Portable.
- ▶ 7-inch LCD Screen
- ▶ RS-232 Port for data transfer.
- ▶ LIS/HIS.
- ▶ In- Built Thermal Printer.
- ▶ In-Built battery.
- ▶ USB Port for data Transfer and Software Update.
- ▶ Multiple test items.

Not all Fluorescence Analyzers are Time Resolved