

The background of the slide features a hand pointing its index finger towards a bright, glowing point of light. This point of light is where a wireframe map of Malaysia is positioned, as if the finger is touching or activating it. The map is composed of white lines and dots, giving it a digital or network-like appearance. The overall scene is set against a dark blue background with a subtle vertical light gradient.

FIAcheck™



**Towards The future of
Fluorescence Immunoassays**

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

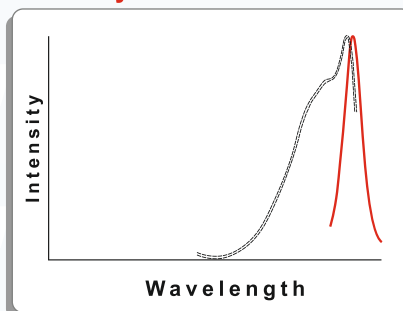
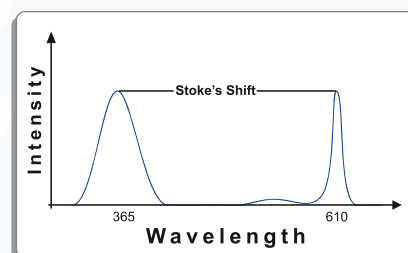
Improves Sample to Background ratio resulting in Improved Accuracy.

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 FIcheck™?



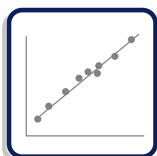
Eu3+ labelled microspheres for High sensitivity and specificity.

Europium labelled Reagents

Faster TAT



Instant reports, results within 3 to 25 mins.



Accurate results matched across all reference systems.

Accuracy

Simple



- Unique Accessories for easy handling of reagents and samples.
- Smaller pack sizes.



Only One and Two step process for Easy operation.

Convenient

Information Management



Direct LIS/HIS connection.



Calibration through secure QR code.

Secure Calibration

Unique walkaway Mode



Unique Inside Panel feature to provide walkaway experience to user.

FIcheck™ 1.0 Key Specifications:

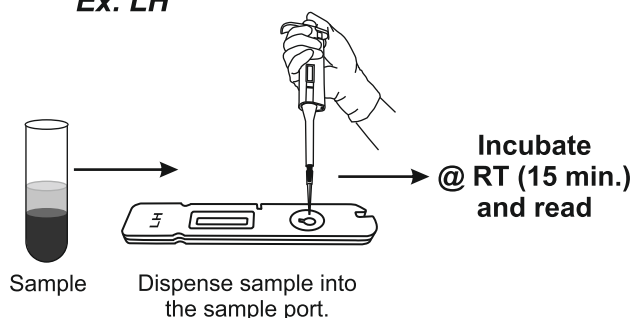
- ▶ Easily portable.
- ▶ 7-inch LCD screen.
- ▶ RS-232 Port for data transfer.
- ▶ LIS/HIS.
- ▶ In- built thermal printer.
- ▶ In-built battery.
- ▶ USB Port for data transfer and Software update.
- ▶ Multiple test items.

Not all Fluorescence Analyzers are Time Resolved

Simpler Assay Designs with Faster TAT

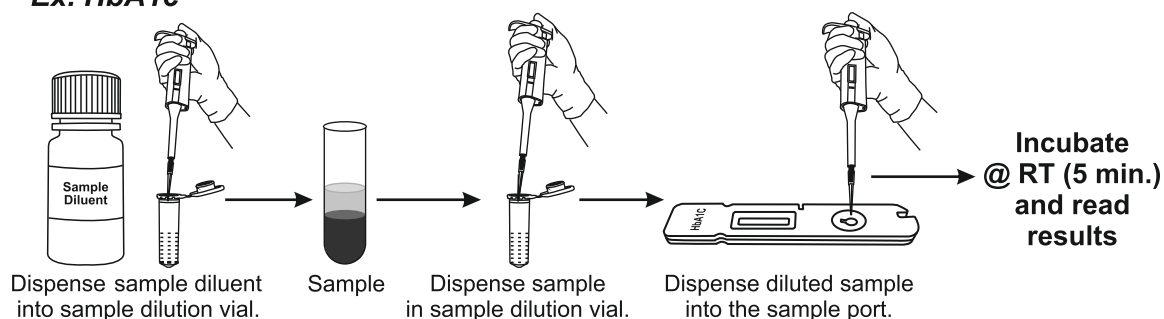
1 Step

Ex. LH



2 Step

Ex. HbA1c



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

FIACheck™ Parameter Menu

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

Quality Products with Value Addition

ISO 13485
Certified Company



TULIP DIAGNOSTICS (P) LTD.

For further information contact :

Gitanjali, Tulip Block, Dr. Antonio do Rego Bagh, Alto Santacruz, Bambolim Complex Post Office, Goa - 403 202, INDIA.
Tel.: +91 832 2458546-50 Fax : +91 832 2458544 E-mail : sales@tulipgroup.com Website : www.tulipgroup.com