QUADRATECH DIAGNOSTICS
Quality Medical Diagnostic & Research Products

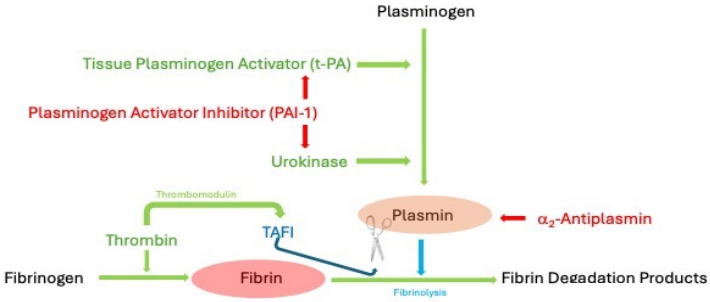
LYSIS TIMER

A New Sensitive Tool to Explore Fibrinolysis

Introduction

Fibrinolysis plays a crucial roll in maintaining an equilibrium in blood circulation. An imbalance in the fibrinolysis system can cause a variety of clinical problems such as thrombotic risk, extensive bleeding and inflammation.

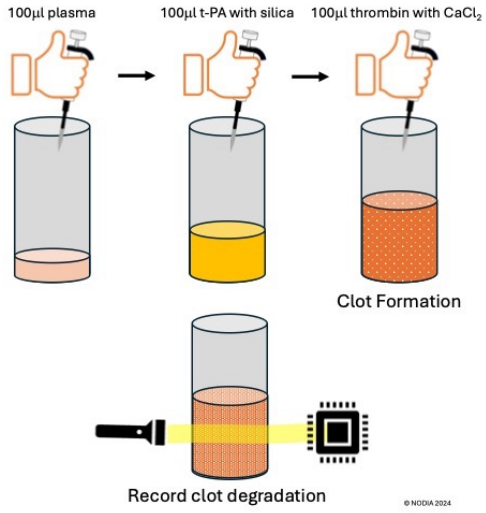
The Lysis Timer is a semi-automated device for studying euglobulin lysis time in citrated human plasma. Thrombin is used to form a blood clot whilst small amounts of tPA trigger fibrinolysis. The instrument analyses the clot dissolution kinetics resulting in a clot lysis time.



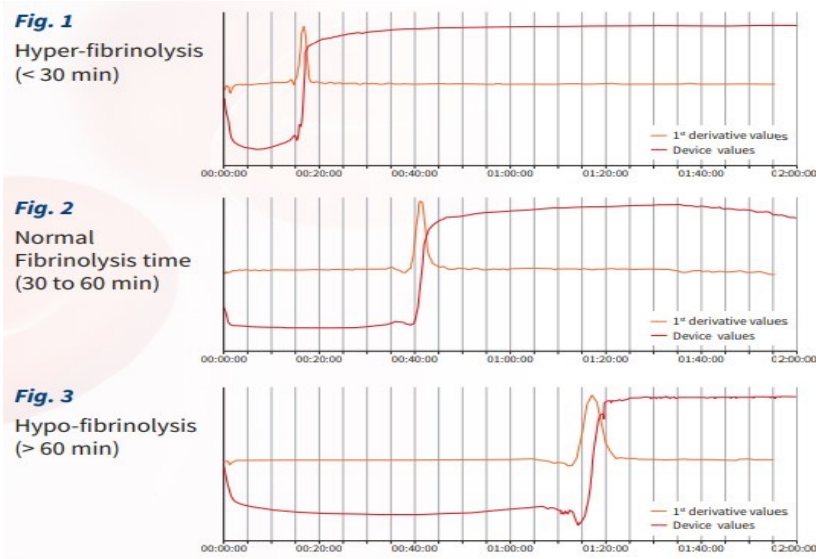
For the evaluation of the Global Fibrinolytic Capacity (GFC)

- ✓ **Standardized Test Protocol**
- ✓ **Uses only 100µl of Citrated Plasma**
- ✓ **Easy two-step semi-automated assay**
- ✓ **Sensitive to both hyper- and hypo-fibrinolysis**
- ✓ **Low, Normal and High Controls available**
- ✓ **One test provides a full fibrinolytic profile in 1 hour**
- ✓ **Strong correlation with underlying fibrinolysis parameters**
- ✓ **Sensitive to tPA related fibrinolysis deviations**

Assay principle



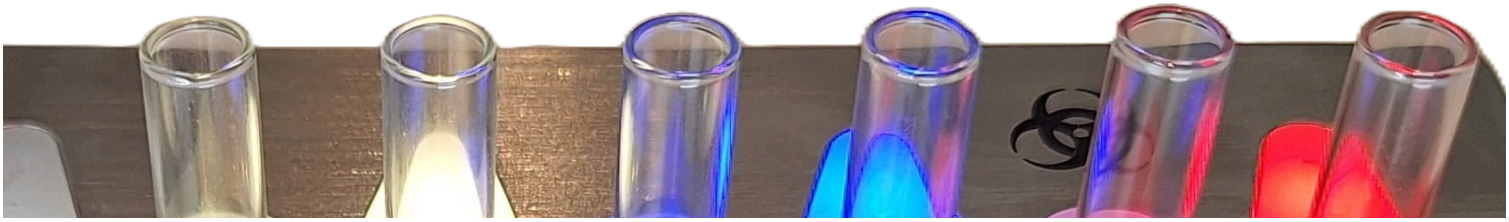
Typical results



Available products

Product	Reference	Info
Lysis Timer Instrument	LT-8V	8 Channel System incl.software
Glass Tubes for Lysis Timer	LT-CV	Box of 144 tubes
GFC-Test	CK093K	Set of 3 x 2 ml
GFC Control Plasma	SC104 K	Set of 2 x 3 x 1 ml

HYPHEN BioMed



Collect a blood sample by venipuncture using 0,109M trisodium citrate anticoagulant. Discard the first tube.

Within 2 hours, use a laboratory-validated method to obtain platelet-poor plasma. Decant the plasma in a plastic tube.

Switch on the Lysis Timer. Then run the Lysis Timer software. **The instrument will connect when 37°C is reached**

Select a measuring channel and enter patient data

Transfer 100 µL of the plasma sample into a test tube.

Homogenize **Reagent 1** (tPA with silica) on a vortex.

Add 100 µL of Reagent 1 to the test tube and mix on a vortex.

Put the tube in the selected channel in the instrument The LED will turn yellow.

1 minute incubation

Take the test tube out of the instrument when the LED turns blue

Add 100 µL of **Reagent 2** (Thrombin reagent) to the test tube and vortex.

Put the tube back in the Lysis Timer and start the reading by clicking on:

Wait for the test to finish
or
Stop the reading when lysis is complete by clicking on:

Verify the S-shape of the curve

Interpret lysis time results

Indicative lysis time values:

Normal : 30-60 min.
Hyper fibrinolysis < 30 minutes
Hypo fibrinolysis > 60 minutes

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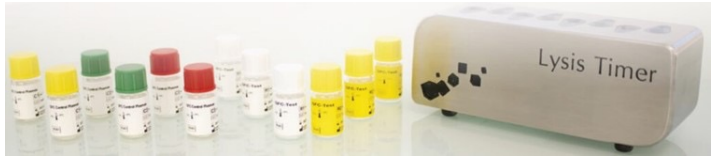
Quick start guide

(This guide does not replace the User Manual)



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