



- **Simple to use** and **clear** in the **results interpretation**
- The only instrument for thromboelastography that can be used directly **near the patient bed**
- The **best solution** to perform the test **directly in the department**
- Minimum sample volume: **200 µl** using the **capillary integrated in the cartridge**
- **The only truly system** based on **whole blood samples** with **no activators/inhibitors**
- Useful system in **NICU** (*neonatal intensive care units*) thanks to the **heel sampling capability** in newborns through an integrated capillary
- **No sample pre-treatment** required
- **Short TAT for first response: 10 min** for initial assessment of the coagulation process (CT, CFT phases, alpha angle) for *healthy/hypocoagulant* patients
- Power supply via **fixed electric network** or via **integrated battery**
- **Liquid Quality Controls** on two levels
- **Dedicated cartridge** for the **electronic control of the system** (cartridge SCC)
- **No maintenance** required



The **VCM system** provides the following parameters:

CT: clot time (sec): time from the start of the test until a height of 1% above the baseline is reached; **CFT: clot formation time** (sec): time from 1% to 10% height on baseline; **Alpha** (°): is the angle between the horizontal axis (times) and the tangent to the curve at 1% amplitude. Describes the kinetics of coagulation; **A10, A20** (VCM units): amplitude at 10 and 20 min. They represent the robustness of the clot 10 and 20 minutes after its formation; **MCF** (VCM unit): maximum clot formation: it is the measure of clot strength and therefore of its quality. It corresponds to the maximum amplitude of the clot before the start of the fibrinolytic phase; **LI30, LI45** (%): is the clot size at 30 and 45 min as a percentage of the MCF

COMPLETE REPORT

OF ALL QUANTITATIVE PARAMETERS (CT, CFT, ALPHA ANGLE, MCF, LI30, LI45)

POCT SYSTEM

CAN BE USED DIRECTLY ON THE PATIENT BED

BATTERY ON-BOARD

OR MAINS POWER SUPPLY

FRESH WHOLE BLOOD

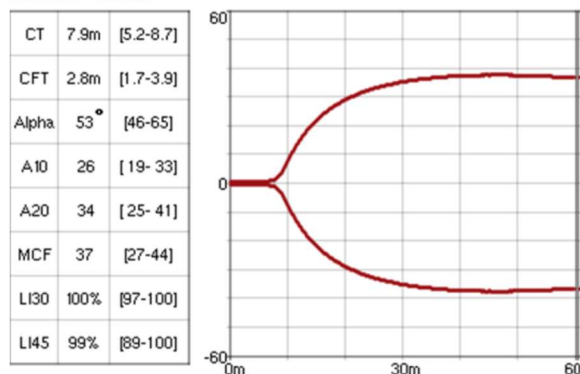
SAMPLES WITH NO CHEMICAL ACTIVATORS

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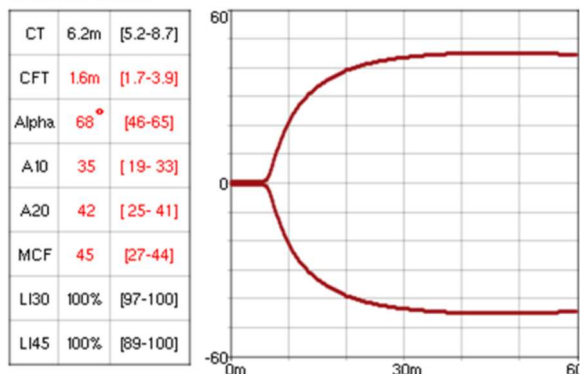
Some examples of layouts obtained with the **VCM** system:

SISTEMA > RESULT



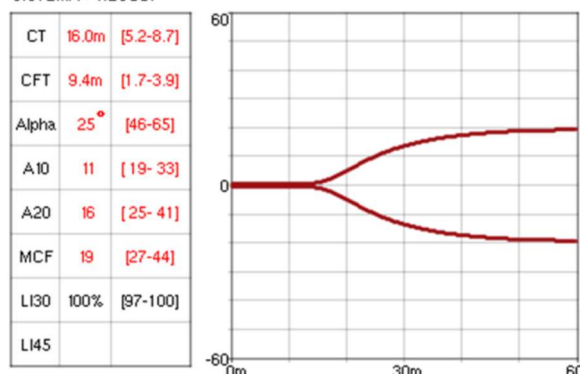
Healthy profile

SISTEMA > RESULT



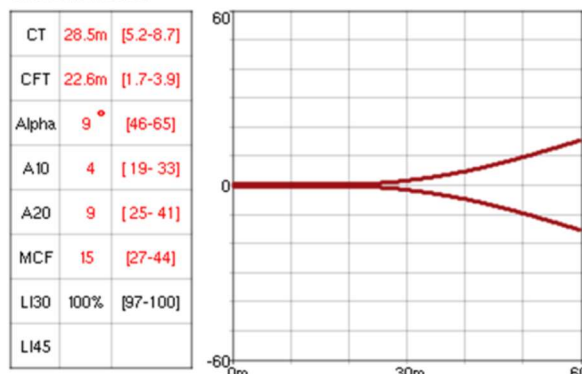
From a hypercoagulant patient

SISTEMA > RESULT



From a hypocoagulant patient

SYSTEM > RESULT



Effect of UFH administration
(unfractionated heparin)

Code	Description
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Analyzer

9002PCM	VCM Analyzer
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Reagents

9003PCM	VCM Cascade Test Cartridge (20 tests/kit)
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Accessories

9004PCM	VCM Heater plate
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Quality Control

9005PCM	VCM Level 1 Quality Control kit
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9006PCM	VCM Level 2 Quality Control kit
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9005PCM	Cartridge for the electronic control of VCM system (SCC)
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