DIAGNOSTIC PROCESS INNOVATORS

Entegrion VCM VET

PORTABLE SYSTEM FOR THE FAST AND COMPLETE ASSESSMENT OF THE GLOBAL HEMOSTATIC CONDITION

- **Portable thromboelastograph** with **immediate** response
- The only instrument for thromboelastography that can be used directly **near the animal**
- The thromboelastography test cannot be outsourced and therefore this is the best solution for performing the test in the veterinary clinic
- **Minimum sample volume**: **230 µl** using the capillary integrated in the cartridge
- **The only truly system** based on **whole blood samples** with **no chemical activators**
- **Instant first response** in *hypercoagulant* patients
- **Fast first response times**: **10 min** for initial assessment of the coagulation process (CT, CFT phases, alpha angle) for *healty/ /hypogoagulant* patients
- Power supply via **fixed electric network** or via **integrated battery**
- Electronic and external controls available
- **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)

PORTABLE SYSTEM
CAN BE USED DIRECTLY ON THE ANIMAL

BATTERY ON-BOARD
OR MAINS POWER SUPPLY

FRESH WHOLE BLOOD
SAMPLES WITH NO CHEMICAL ACTIVATORS

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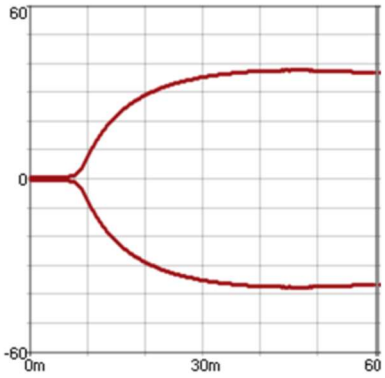
*Some examples of layouts obtained with the **VCM Vet** system:*

SISTEMA > RESULT

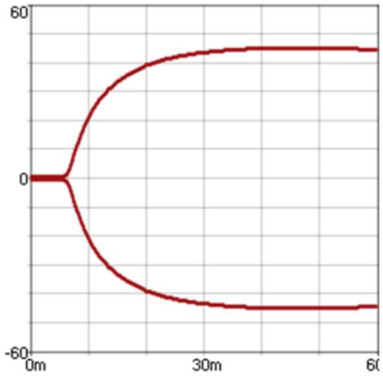
CT	7.9m	[5.2-8.7]
CFT	2.8m	[1.7-3.9]
Alpha	53°	[46-65]
A10	26	[19- 33]
A20	34	[25- 41]
MCF	37	[27-44]
LI30	100%	[97-100]
LI45	99%	[89-100]



Healthy profile

SISTEMA > RESULT

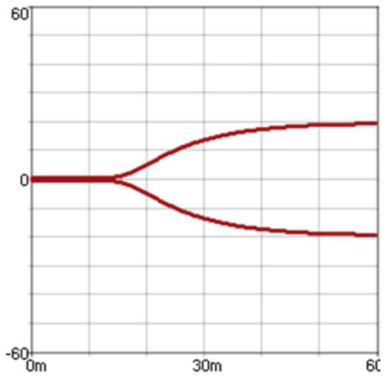
CT	6.2m	[5.2-8.7]
CFT	1.6m	[1.7-3.9]
Alpha	68°	[46-65]
A10	35	[19- 33]
A20	42	[25- 41]
MCF	45	[27-44]
LI30	100%	[97-100]
LI45	100%	[89-100]



From a hypercoagulant animal

SISTEMA > RESULT

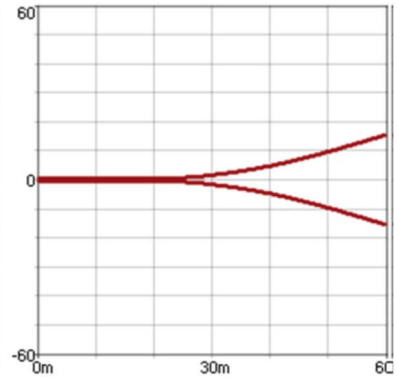
CT	16.0m	[5.2-8.7]
CFT	9.4m	[1.7-3.9]
Alpha	25°	[46-65]
A10	11	[19- 33]
A20	16	[25- 41]
MCF	19	[27-44]
LI30	100%	[97-100]
LI45		



From a hypocoagulant animal

SYSTEM > RESULT

CT	28.5m	[5.2-8.7]
CFT	22.6m	[1.7-3.9]
Alpha	9°	[46-65]
A10	4	[19- 33]
A20	9	[25- 41]
MCF	15	[27-44]
LI30	100%	[97-100]
LI45		



Effect of UFH administration (unfractioned heparin)

Code	Description
***Analyzer*:**	
9001PCM	VCM Vet System
***Test*:**	
3105PCM	VCM Vet Test Cartridge Pack
Accessories:	
3103PCM	VCM Vet Heater plate Pack Insert ML
9011PCM	VCM Vet Level 1 Quality Control kit
9012PCM	VCM Vet Level 2 Quality Control kit

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