ANIARA

HYPHEN *BioMed SAS*

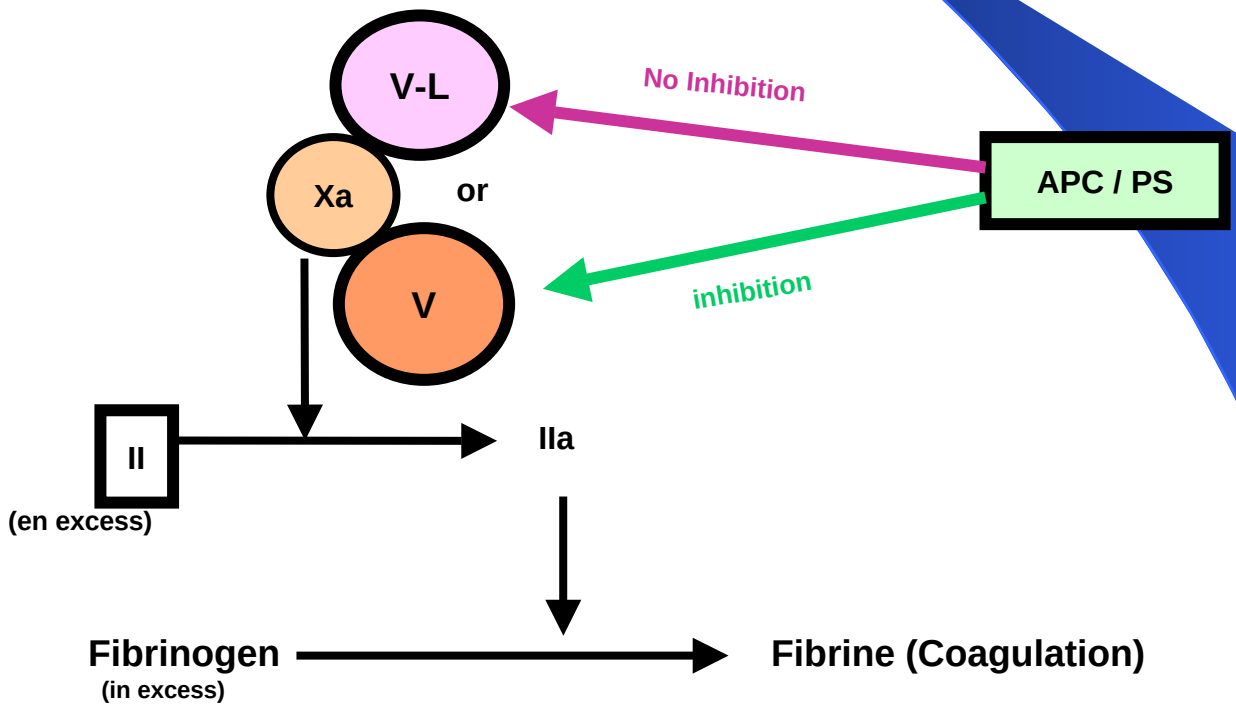
New Quantitative Assay for Factor V-Leiden

Meauring APC Resistance Associated With Factor V-Leiden, Quantitatively

A Simple and Calibrated Assay for measuring the Factor V-Leiden Concentration, using a Single Clotting Test.

Aniara 6560 Gove Court Mason, OH 45040 **Phone**: 513-770-1991 **Toll Free**: 866-783-3797 **FAX**: 513-573-9241 **Web**: www.aniara.com **Email**: info@aniara.com

Quantitative Evaluation of FACTOR V-LEIDEN



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RESULTS with the usual assay

CT1 without APC
CT2 with APC

CT2/CT1 < 1.80	⇒ V-L
1.80 < CT2/CT1 < 2.00	⇒ ??
CT2/CT1 > 2.00	⇒ V-N

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REAGENTS (QUANTITATIVE V-L)

- R1 (Fibrinogen/Prothrombin/PS/APC/Polybren)

- R2 (Xa/Phospholipids/Ca++)

1/20 Diluted Plasma

⇒ C.T.

CALIBRATION

Heterozygous Fcator V-L Plasma Pool
(50% of Factor V ⇒ V-L)

- 1/20 ⇒ 50% V-L
- 1/10 ⇒ 100% V-L

PROTOCOL

At 37°C :

100 µL R1

50 µL Plasma diluted 1/20

Incubation 1 minute at37°C

100 µL R2

Measure Clotting Time (CT)

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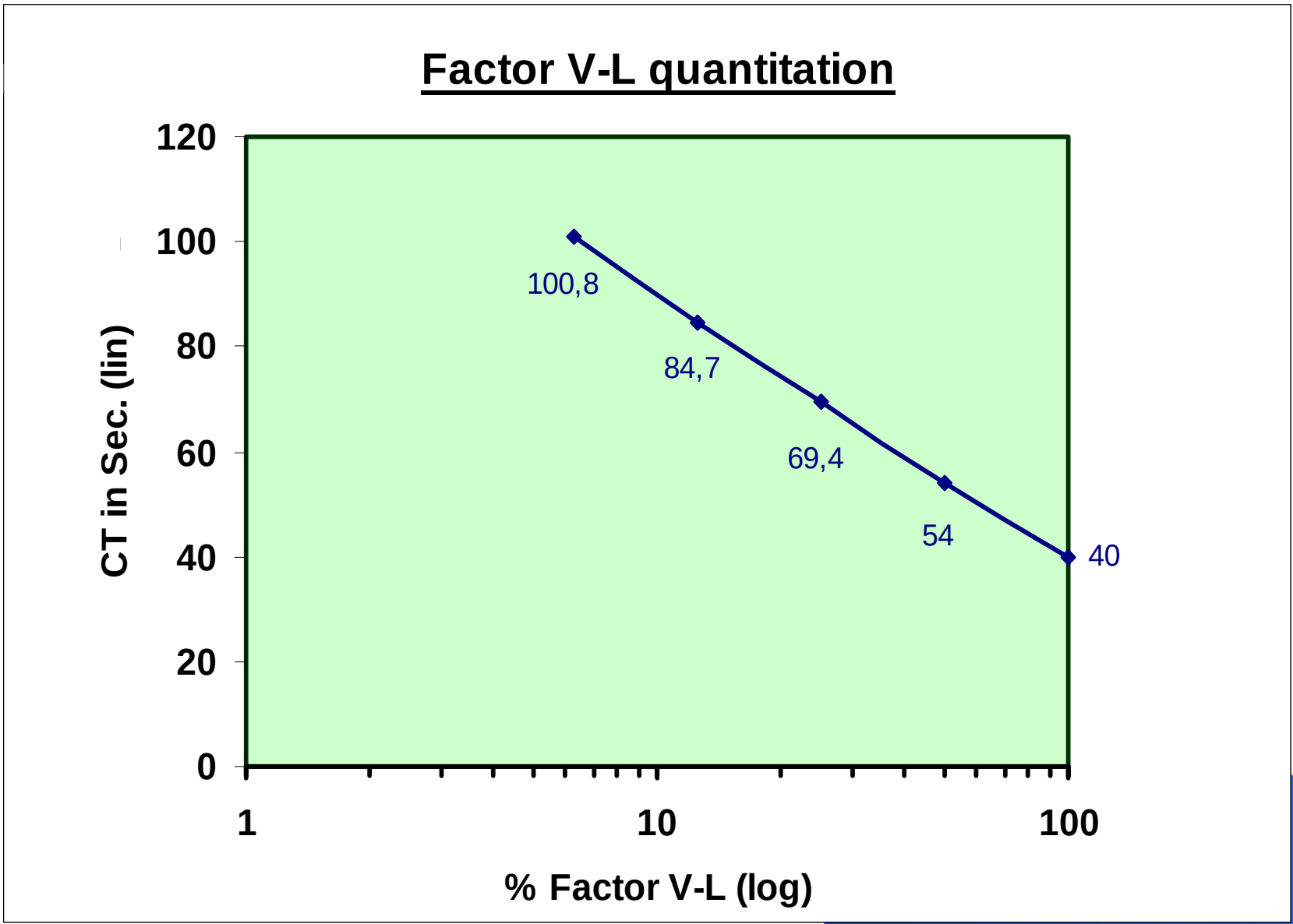
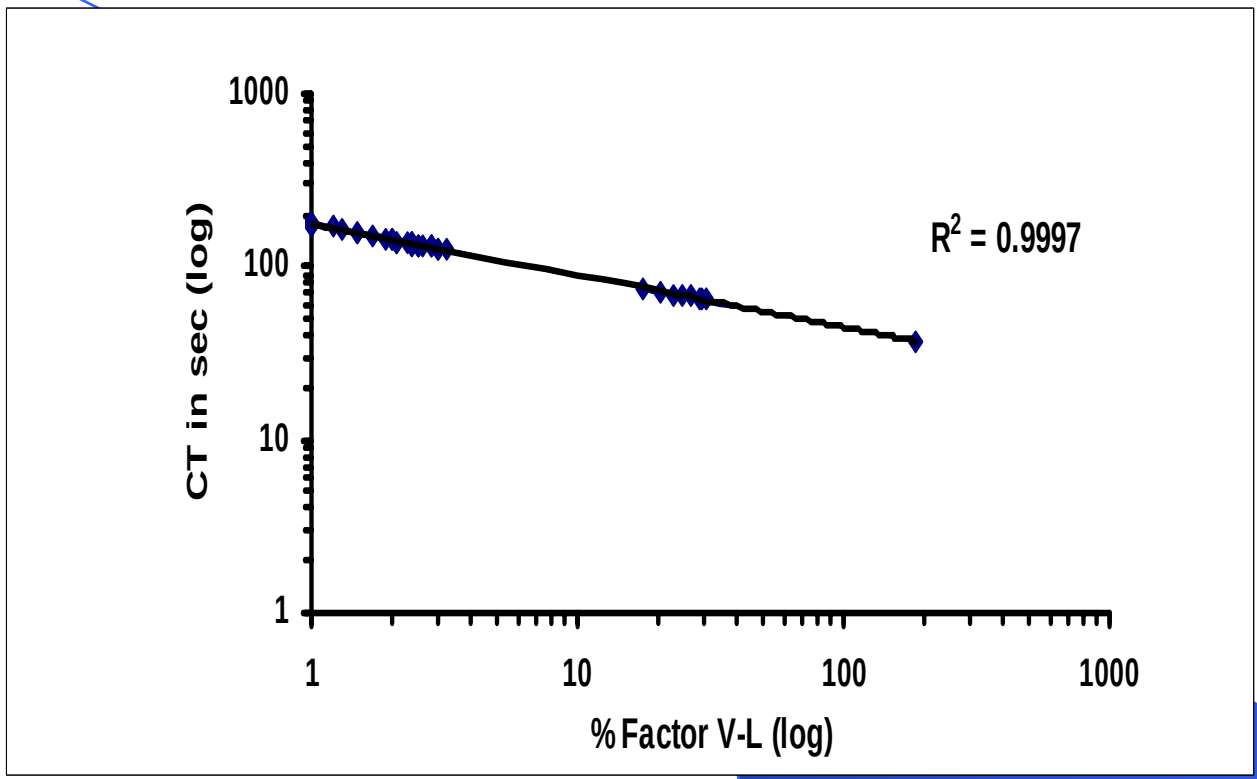
CALIBRATION CURVE



QUANTITATIVE ASSAY OF FACTOR V-L



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RESULTS with the New Assay

NORMALS : V-L ≤ 5%

HETEROZYGOUS : V-L de 25 - 60 %

HOMOZYGOUS : V-L ≥ 70 %

I f necessary : Measure factor V

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CONCLUSIONS

- Quantitative Reagent for Measuring Factor V-Leiden
- No Interference of Plasma Factor Deficiencies (Other than that of Factor V).
- Excellent Discrimination Between Heterozygous/Homozygous and Normals.
- Only a Clotting Time (CT).

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