ANIARA
DIAGNOSTICA INC

YOUR LAB DESERVES A PARTNER.
Not a vendor.

FACTOR VII · EXTRINSIC-PATHWAY TRIGGER · ACTIVITY & ANTIGEN

Factor VII — *three methods,* one complete panel.

Factor VII triggers the tissue-factor pathway, and its short half-life makes it a sensitive marker in **congenital FVII deficiency, liver disease and VKA effect**, as well as in **recombinant FVIIa** development. Measure it by **chromogenic activity, one-stage clotting, or antigen ELISA** — pairing activity with antigen resolves quantitative (type I) from qualitative (type II) defects — all backed by matched calibration and QC.

THREE MEASUREMENT METHODS

CHROMOGENIC · ACTIVITY

BIOPHEN™ Factor VII

FVII activity via tissue factor: the FVII–TF complex activates **Factor X → FXa**, read on a chromogenic substrate. Automatable, interference-independent.

A221304
RUO — $332

CLOTTING · ONE-STAGE

FVII:C — Deficient Plasma

Classic **one-stage PT-based** FVII:C assay, run on **Factor VII Deficient Plasma** (<1% residual FVII) as substrate with thromboplastin.

ADP030K · 6×1 mL
RUO — $385

ANTIGEN · ELISA

ZYMUTEST™ Factor VII

Two-site immunoassay (rabbit anti-FVII) for **FVII antigen** — quantifies protein independent of activity, to type a deficiency.

ARK036A
RUO — $1,098

CALIBRATED & CONTROLLED — EVERY METHOD, MATCHED

REFERENCE CALIBRATOR & QC PLASMAS

BIOPHEN™ Plasma Calibrator
18-analyte reference plasma; assigns FVII and calibrates both clotting & chromogenic. **A222101**

Normal Control Plasma
Normal-range QC across factor activities · 12×1 mL. **A223201**

Abnormal Control Plasma
Pathological-range QC, covering FVII-X. **A223301**

The ZYMUTEST™ FVII ELISA includes its own antigen calibrator and controls.

WHERE FACTOR VII IS MEASURED

- Congenital FVII deficiency
- Liver disease
- VKA / warfarin effect
- Recombinant FVIIa development
- Extrinsic (TF) pathway research
- Factor concentrate potency

SELECTED REFERENCES BIOPHEN™ FVII chromogenic (Ref. 221304, HYPHEN BioMed) used to assess FVII/FVIIa bioactivity in recombinant vitamin-K-dependent protein production — US Pat. 9,587,008. · ZYMUTEST™ FVII ELISA and BIOPHEN™ FVII chromogenic (Aniara) used to characterize engineered short-acting FVII/FVIIa polypeptides — US Pat. 10,273,466 / 11,530,401.

Regulatory: BIOPHEN™ Factor VII (A221304), ZYMUTEST™ Factor VII (ARK036A), Factor VII Deficient Plasma (ADP030K), the BIOPHEN™ Plasma Calibrator (A222101) and Normal / Abnormal Control Plasmas (A223201 / A223301) are **For Research Use Only** in the United States; **CE-IVD** in Europe and **Health Canada** licensed (-CAN configurations). Activity (chromogenic, clotting) and antigen (ELISA) methods measure different properties and are not interchangeable. Pricing shown is US list and subject to change. © 2026 Aniara Diagnostica, Inc.

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