

— FACTOR XA CHROMOGENIC SUBSTRATE · BIOPHEN CS · HYPHEN BIOMED

Measure Factor Xa — *the anti-Xa* *workhorse.*

A highly purified synthetic peptide substrate for **Factor Xa**. On cleavage it releases **para-nitroaniline (pNA)**, read at 405 nm in direct proportion to enzyme activity. Built on the established **Chromogenix S-2732 / S-2765** chemistry and backed by HYPHEN BioMed's own head-to-head equivalence studies — supplied lyophilized, single vial to bulk. Part of the **BIOPHEN™ CS series**, distributed by Aniara in North America and the Nordic & Baltic states.

CHROMOGENIC SUBSTRATE · HYPHEN BIOMED

Factor Xa Substrate

pNA at 405 nm · S-2732 / S-2765 equivalent

- Releases **para-nitroaniline (pNA)** on cleavage by Factor Xa — absorbance at 405 nm is proportional to activity.
- **Two FXa substrate options** — CS-11(32) (S-2732) and CS-11(65) (S-2765), high specificity.
- **BIOPHEN CS-11(32) / CS-11(65) (A229011 / A229014)** — single-vial (1x25 mg) to bulk (12x25 mg).
- **Documented equivalence** to the legacy Chromogenix substrate — head-to-head data on file.

S-2732 / S-2765 equivalent · RUO

25 mg

DOCUMENTED EQUIVALENCE

HYPHEN BioMed has run **head-to-head characterization studies** of the CS series against the matching Chromogenix substrates — not just an equivalence claim.

Identical peptide chemistry and **pNA-at-405 nm** readout — drop into existing protocols with no redesign.

A reliable second source for labs and manufacturers built around the legacy Chromogenix S-series.

— ONE SUBSTRATE, THREE BENCHES

Academic research

Factor Xa kinetics and anticoagulant-mechanism studies across the common pathway.

Quality control

Heparin & **LMWH anti-Xa potency** (USP/EP) and antithrombin anti-Xa lot release.

Pharma research

Anti-Xa DOAC development (apixaban, rivaroxaban, edoxaban) and PK/PD characterization.

Equivalence data, on request

HYPHEN BioMed head-to-head comparison studies versus the matching Chromogenix substrate, plus peptide sequence, MW, K_m , k_{cat} and molarity per vial, are available for assay development and validation. The user establishes and validates assay conditions and protease specificity.

Regulatory & availability: Factor Xa Substrate (BIOPHEN™ CS series) is a synthetic, highly purified **research-grade reagent** — for research and pharmaceutical quality-control applications, not for use in diagnostic procedures. The thrombin (anti-IIa) and Factor Xa (anti-Xa) substrates support heparin-potency QC under the European & US Pharmacopoeia. Manufactured by HYPHEN BioMed and distributed by Aniara Diagnostica in **North America and the Nordic & Baltic states**. "Chromogenix" and S-series designations are referenced for cross-identification only and remain the marks of their respective owner. Single-vial and bulk formats; pricing on request. Therapeutic agents named are referenced as analytes / scientific context and are not Aniara products. © 2026 Aniara Diagnostica, Inc.