

— FACTOR Xa CHROMOGENIC SUBSTRATE · ANTI-Xa · 5-DIAGNOSTICS

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. The peptide is the established **Chromogenix S-2222 / S-2732 / S-2765** sequence — a drop-in equivalent — supplied lyophilized with mannitol, from a single vial to a manufacturing pack. Part of the **5-CHROM™** series, available worldwide from 5-Diagnostics through Aniara.

CHROMOGENIC SUBSTRATE · 5-DIAGNOSTICS

Factor Xa Substrate

pNA at 405 nm · S-2222 / S-2732 / S-2765 equivalent

- Releases **para-nitroaniline (pNA)** on cleavage by Factor Xa — absorbance at 405 nm is proportional to activity.
- Peptide sequence **Bz-Ile-Glu-Gly-Arg-pNA** — the S-2222 / S-2732 / S-2765 substrate, no protocol redesign.
- **5-CHROM-22 / -32 / -65 (A5D-30803 / 04 / 07)** — supplied worldwide through Aniara, a dependable second source.
- Lyophilized with mannitol — single-vial (1×25 mg) to bulk (12×25 mg).

S-2222 / S-2732 / S-2765 equivalent · RUO

25 mg

SAME PEPTIDE, DROP-IN

Identical sequence and **pNA-at-405 nm** readout as the legacy Chromogenix S-2222 / S-2732 / S-2765 — drop into existing protocols with no redesign.

Supplied **worldwide** through Aniara from 5-Diagnostics — a dependable second source for routine and production-scale use.

Single 25 mg vials for development; 12-vial packs for routine and production scale.

— 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.

Defined enzymology, on request

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 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 5-Diagnostics and distributed worldwide by Aniara Diagnostica. “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.