



**CHARACTERISTICS AND PERFORMANCES OF FIXa CHROMOGENIC SUBSTRATE
(HYPHEN BioMed CS-51(09))**

	HYPHEN BioMed										
Product name	BIOPHEN CS-51(09)										
Product reference	A229051										
Specificity	Recommended substrate for Factor IXa.										
Peptide sequence	CH3SO2-D-CHG-Gly-Arg-pNA, AcOH										
Chemical structure	C₂₃H₃₆N₈O₇S, AcOH										
Proposed presentation	25 mg (#A229051)										
Molarity	~ 40 µM										
Bulking agents	Mannitol										
Purity grade	> 95%										
Solubility	≥ 5 mg/mL in H ₂ O										
Molecular weight	628.7 Da										
Free pNA content	< 0.5%										
E316 nm:	NA										
Respective reactivities	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>FIXa</th> <th>aPC</th> <th>FXa</th> <th>Plasmin</th> <th>Thrombin</th> </tr> </thead> <tbody> <tr> <td align="center">100</td> <td align="center">8</td> <td align="center">40</td> <td align="center">70</td> <td align="center">50</td> </tr> </tbody> </table> <p>Assay conditions must be duly established for rendering the assay conditions totally specific for Factor IXa, when this substrate is used.</p>	FIXa	aPC	FXa	Plasmin	Thrombin	100	8	40	70	50
FIXa	aPC	FXa	Plasmin	Thrombin							
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Stability of the lyophilized product	<p>Until the expiration date printed on the vial. (30 months at 2-8°C from the manufacturing date)</p>										
Stability of the reconstituted product	<ul style="list-style-type: none"> - 7 days at room temperature (18-25°C) - 1 month at 2-8 °C - Do not freeze. 										
Suitable stock solution	<p>According to the research protocol used, the BIOPHEN CS-51(09) chromogenic substrate can be restored with variable volumes of distilled water; for example 5 mL can be used for a substrate concentration of 5 mg/mL, or 20 ml for a substrate concentration of 1.25 mg/mL, etc...</p>										
Applications	<p>For in vitro use only. All research studies and protocols where a source of chromogenic substrate for Factor IXa is required. Factor IXa chromogenic activity is dramatically enhanced by 33% Ethylene Glycol.</p>										