



For Research and Industrial use :

Complete Assay Line for Anticoagulants



- Complete range of reagents, calibrators and controls (HEMOCLOT™ and BIOPHEN™) for measurement of direct anticoagulants, heparins and their analogues for Research and Pharmaceutical Industry use (methods adhere to recommendations of the European Pharmacopoeia).

Description of Reagent		Ref.	Direct Anti-IIa			Direct Anti-Xa			Heparins and their Analogues			
			Dabigatran	Argatroban	Hirudin	Rivaroxaban	Apixaban	Edoxaban	LMWH	UFH	Orgaran® and other Sodium Danaparoids	Arixtra® and other Pentasaccharides
Dedicated calibrators and controls			Low Standard			Low Standard	Low Standard	Low Standard				
		A222901-RUO	Cal: ASC030K-RUO	Cal: ASC020K-RUO	Cal: ASC020L-RUO	A226001-RUO	A226101-RUO	A226401-RUO	Cal: A223001	Cal: A222301	Cal: A222201-RUO	Cal: A222501-RUO
		A225001-RUO	Ctl: ASC035K-RUO	Ctl: ASC020L-RUO	Ctl: ASC025K-RUO	A225101-RUO	A225201-RUO	A225401-RUO	Ctl: A223001	Ctl: A223101	Ctl: A223501-RUO	Ctl: A224001-RUO
		A222801-RUO				A222701-RUO	A226201-RUO	A226501-RUO				
		A224701-RUO				A224501-RUO	A225301-RUO	A225501-RUO	Ctl: A223701			
HEMOCLOT™ Thrombin Inhibitors RUO	Test concentration of Dabigatran and other direct thrombin inhibitors by chromogenic "anti-thrombin" method.	ACK002K-RUO, ACK002L-RUO	⊙	⊙	⊙							
BIOPHEN™ DTI RUO	Test direct thrombin inhibitors by chromogenic method. Insensitive to the presence of heparin.	A220202-RUO	⊙		⊙							
BIOPHEN™ Heparin (LRT) RUO	Test heparins and their analogues by chromogenic anti-Xa method with ready-to-use, liquid reagent technology.	A221011-RUO, A221013-RUO, A221015-RUO				⊙	⊙	⊙	⊙	⊙	⊙	⊙
BIOPHEN™ Heparin RUO	Test heparins and their analogues by chromogenic anti-Xa method.	A221003, A221006				⊙	⊙	⊙	⊙	⊙	⊙	⊙
BIOPHEN™ DIXal RUO	Test direct Factor Xa inhibitors by chromogenic method. Insensitive to the presence of heparin.	A221030-RUO				⊙	⊙	⊙				
BIOPHEN™ Heparin Anti-IIa (kinetics) RUO	Test heparins and their analogues in buffer or purified systems by kinetic/competitive chromogenic anti-IIa method in the presence of exogenous antithrombin.	A221020								⊙		
BIOPHEN™ Anti-IIa (2 stage) RUO	Test heparins on plasma or purified systems, by chromogenic 2-stage anti-IIa method, adhering to the recommendations of Pharmacopoeia.	A221025								⊙		
NEW! BIOPHEN™ Anti-IIa (2 Stages Heparin Assay) RUO	Two stages chromogenic method for the Heparin anti-IIa activity measurement on plasma or purified medium, according to Pharmacopoeia	A220005							⊙	⊙		
BIOPHEN™ Heparin (AT+) RUO	Test heparin and their analogues by kinetic chromogenic anti-Xa method with addition of Antithrombin. E xogenous Antithrombin addition i n t he a ssay i s u seful e specially for assaying heparin in samples with low Antithrombin content or for Arixtra®.	A221007							⊙	⊙	⊙	⊙
BIOPHEN™ Anti-Xa (2 stage) RUO	Test heparin in plasma or purified systems, by 2-stage chromogenic anti-Xa method, adhering to the recommendations of Pharmacopoeia.	A221010							⊙	⊙	⊙	⊙
NEW! BIOPHEN™ Anti-Xa (2 Stages Heparin Assay) RUO	Two stages Anti-Xa chromogenic method for the Heparin activity measurement on plasma or purified medium, according to Pharmacopoeia.	A221005							⊙	⊙	⊙	⊙

More information on HYPHEN BioMed and product catalog is available at : www.aniara.com

Direct Oral Anticoagulants (DOACs)

Our innovative reagents fulfill your requirements for measuring DOACs

Methods

- Automated: Compatible with the current coagulation equipment in your laboratory - no additional equipment is required
- Standardized: Results are expressed in concentration (ng/mL)
- Fast: Results
- Specific: Calibrators and Controls for each assay
- Excellent correlation with **reference method** (LC-MS/MS)

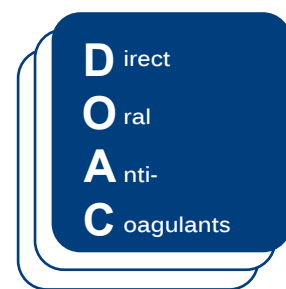
DABIGATRAN

RIVAROXABAN

APIXABAN

EDOXYABAN

Experience the innovation!



Measurement in Plasma, when needed : Direct Oral Anticoagulants (DOACs)

Aniara offers ;

- A choice of assays meeting your specific needs
- Complete range of calibrators and controls which are specific for each assay ("Like-to-Like")

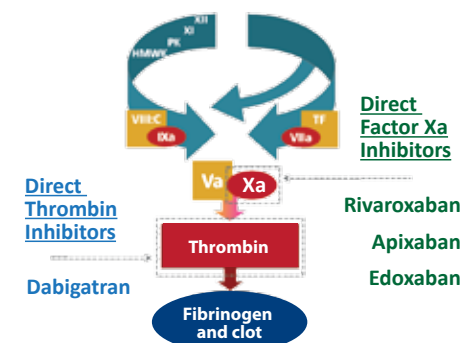
Reagent

▶▶▶ Assay for Direct Factor Xa Inhibitors

Product Name	Assay Principle	Packaging Size	Ref.
BIOPHEN™ Heparin (LRT) RUO	Chromogenic assay for <i>in vitro</i> quantitative measurement of indirect or direct Factor Xa inhibitors, such as Rivaroxaban, Apixaban and Edoxaban. ■ liquid reagent, ready to use	R1 FXa specific chromogenic substrate (SXA-11) R2 Bovine FXa R1: 3 x 3 mL, R2: 3 x 3 mL R1: 4 x 5 mL, R2: 4 x 5 mL R1: 4 x 7.5 mL, R2: 4 x 7.5 mL	A221013-RUO A221015-RUO A221011-RUO
BIOPHEN™ DiXal RUO	Chromogenic assay for <i>in vitro</i> quantitative measurement of Direct Factor Xa Inhibitors (DiXal), such as Rivaroxaban, Apixaban or Edoxaban, in plasma. ■ specific method for concentration of the DiXal ■ insensitive to indirect inhibitors of Factor Xa (LMWH, UFH, Orgaran® and Arixtra®).	R1 3 x 2.5 mL Human FXa R2 3 x 2.5 mL FXa specific chromogenic substrate R3 4 x 25 mL Buffer	A221030-RUO

▶▶▶ Assay for Direct Thrombin Inhibitors

Product Name	Assay Principle	Packaging Size	Ref.
HEMOCLOT™ Thrombin Inhibitors RUO	Clotting assay for the quantitative measurement of Dabigatran and other Direct Thrombin Inhibitors (DTIs) such as Hirudin and Argatroban in plasma. ■ the most frequently used reagent for DTI measurement	R1 Normal pooled plasma R2 Human calcium thrombin R1: 3 x 1 mL, R2: 3 x 1 mL R1: 3 x 2.5 mL, R2: 3 x 2.5 mL	ACK002K-RUO ACK002L-RUO
BIOPHEN™ DTI RUO	Chromogenic assay for the <i>in vitro</i> quantitative measurement of anti-IIa activity of Dabigatran in plasma. ■ contains heparin neutralizing substance	R1 2 x 2.5 mL Thrombin specific chromogenic substrate R2 2 x 2.5 mL Human thrombin R3 2 x 25 mL Tris-BSA Buffer	A220202-RUO



HYPHEN BioMed continues to innovate and extend the solutions to measure DOACs.

- ✓ **Low Range:** High sensitivity for accurate measurement of the residual concentration
- ✓ **Standard Range:** Large measurement range

Specific Calibrators and Controls

RIVAROXABAN (Xarelto®)

■ **Low Range : 0 - 100 ng/mL***

Product Name	Packaging Size	Ref.
BIOPHEN™ Rivaroxaban Calibrator Low RUO	12 vials (3 levels, 4 x 1 mL each)	A226001-RUO
BIOPHEN™ Rivaroxaban Control Low RUO	12 vials (2 levels, 6 x 1 mL each)	A225101-RUO

■ **Standard Range : up to 600 ng/mL***

Product Name	Packaging Size	Ref.
BIOPHEN™ Rivaroxaban Plasma Calibrator RUO	12 vials (3 levels, 4 x 1 mL each)	A222701-RUO
BIOPHEN™ Rivaroxaban Control Plasma RUO	12 vials (2 levels, 6 x 1 mL each)	A224501-RUO

APIXABAN (Eliquis®)

■ **Low Range : 0 - 120 ng/mL***

Product Name	Packaging Size	Ref.
BIOPHEN™ Apixaban Calibrator Low RUO	12 vials (3 levels, 4 x 1 mL each)	A226101-RUO
BIOPHEN™ Apixaban Control Low RUO	12 vials (2 levels, 6 x 1 mL each)	A225201-RUO

■ **Standard Range : up to 700 ng/mL***

Product Name	Packaging Size	Ref.
BIOPHEN™ Apixaban Calibrator RUO	12 vials (3 levels, 4 x 1 mL each)	A226201-RUO
BIOPHEN™ Apixaban Control RUO	12 vials (2 levels, 6 x 1 mL each)	A225301-RUO

EDOXABAN (Lixiana®, Savaysa®)

■ **Low Range : 0 - 120 ng/mL***

Product Name	Packaging Size	Ref.
BIOPHEN™ Edoxaban Calibrator Low RUO	12 vials (3 levels, 4 x 1 mL each)	A226401-RUO
BIOPHEN™ Edoxaban Control Low RUO	12 vials (2 levels, 6 x 1 mL each)	A225401-RUO

■ **Standard Range : up to 600 ng/mL***

Product Name	Packaging Size	Ref.
BIOPHEN™ Edoxaban Calibrator RUO	12 vials (3 levels, 4 x 1 mL each)	A226501-RUO
BIOPHEN™ Edoxaban Control RUO	12 vials (2 levels, 6 x 1 mL each)	A225501-RUO

* examples on Sysmex CS-series (depends on instruments & calibrators)

DABIGATRAN (Pradaxa®)

■ **Low Range : 0 - 120 ng/mL***

Product Name	Packaging Size	Ref.
BIOPHEN™ Dabigatran Calibrator Low RUO	12 vials (3 levels, 4 x 1 mL each)	A222901-RUO
BIOPHEN™ Dabigatran Control Low RUO	12 vials (2 levels, 6 x 1 mL each)	A224001-RUO

■ **Standard Range : up to 500 ng/mL***

Product Name	Packaging Size	Ref.
Dabigatran Plasma Calibrator RUO	12 vials (3 levels, 4 x 1 mL each)	A222801-RUO
Dabigatran Control Plasma RUO	12 vials (2 levels, 6 x 1 mL each)	A224701-RUO

* may vary depending on the reagents and instruments