Anticoagulants

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 (Low / Standard)	Argatroban	Hirudin	Rivaroxaban (Low / Standard)	Apixaban (Low / Standard)	Edoxaban (Low / Standard)	LMWH	UFH	Orgaran® and other Sodium Danaparoïds	Arixtra® and other Pentasaccharides
Dedicated calibrators and controls			A222901-RUO A225001-RUO A222801-RUO A224701-RUO	Cal:ASC030K-RUO Ctl: ASC035K-RUO	Cal: ASC020K-RUO Cal: ASC020L-RUO, Ctl: ASC025K-RUO	A226001-RUO A225101-RUO A222701-RUO A224501-RUO	A226101-RUO A225201-RUO A226201-RUO A225301-RUO	A226401-RUO A225401-RUO A226501-RUO A225501-RUO	Cal: A223001 Ctl: A223001 Ctl: A223701	Cal: A223101 Ctl: A223101	Cal: A222201-RUO Ctl: A223501-RUO	Cal: A222501-RUO Ctl: A224001-RUO
HEMOCLOT™ Thrombin Inhibitors RUO	Test concentration of Dabigatran and other direct thrombin inhibitors by chronometric "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 Pharmacopeia	A220005							◎	◎		
BIOPHEN™ Heparin (AT+) RUO	Test heparin and their analogues by kinetic chromogenic anti-Xa method with addition of Antithrombin. Exogenous Antithrombin addition in the assay is useful especially 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 Pharmacopeia.	A221005							◎	◎	◎	◎

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

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*For Research Use Only. Not for use in diagnostic procedures

Carefully read the instructions on the labeling and/or the instructions for use of the reagents.

H-006-00

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Aniara Diagnostica is a distributor for Hyphen BioMed

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)

RIVAROXABAN

DABIGATRAN

APIXABAN

EDOXABAN

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Experience the innovation!

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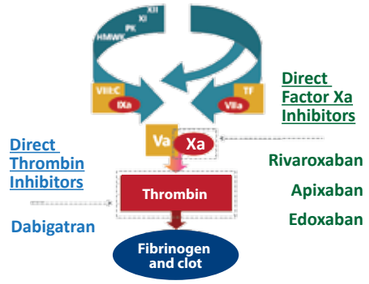
Measurement in Plasma, when needed :

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")

***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

Reagent

▶▶▶ Assay for Direct Factor Xa Inhibitors

Product Name	Assay Principle	Packaging Size	Ref.
BIOPHEN™ Heparin (LRT) RUO	Chromogenic assay for *in vitro* 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™ DiXaI RUO	Chromogenic assay for *in vitro* quantitative measurement of Direct Factor Xa Inhibitors (DiXaI), such as Rivaroxaban, Apixaban or Edoxaban, in plasma. ■ **specific method for concentration of the DiXaI** ■ **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 *in vitro* 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**

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)	**A225001-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