



Advanced reagents for coagulation analyzers



NORDIC
BIOMARKER

High-quality coagulation reagents made in Sweden

A person wearing a white lab coat and blue nitrile gloves is using a pipette to transfer liquid into a small vial. The pipette has a label that reads "1872-A", "WK-T", and "1800". The background is a bright, out-of-focus laboratory setting with windows.

Our mission:

To bring high-quality
coagulation diagnostic
solutions to all parts
of the world.



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Who we are

Nordic Biomarker is a Swedish original manufacturer of advanced reagents, calibrators and controls for coagulation analyzers and offers products used for a wide range of routine and specialty tests.

Our expertise covers all relevant technology areas, and we pride ourselves to being experts when it comes to both immunological, chromogenic as well as clotting assays.

All production is performed in-house at our facilities in Sweden. We collaborate closely with our customers to optimize performance on specific instruments and are always happy to provide technical support.

We continuously invest in research and development, and with a growing portfolio of routine and specialty reagents for coagulation laboratories, we are the ideal partner for companies seeking to supply the healthcare sector with a comprehensive, high-quality diagnostics solution for coagulation/hemostasis.

Founded in

2007

Customers in

>30

countries



It's all about
coagulation!

Rated
4.8/5
in customer satisfaction

ISO 13485
certified and
IVDR compliant

Our expertise – your product

We develop and manufacture - you bring it to the market. We assist you in creating a competitive coagulation offering that aligns with the relevant analyzers for your market. Choose your preferred stage in the manufacturing process by exploring the solutions below.



CE-marked Kits

We are the legal manufacturer and provide the finished CE-marked product in labeled vials with our MRX brand name.

Unlabeled vial solution

We provide the finished product in unlabeled vials; you label and sell under your own brand name.

Who does what: Responsibilities by solution

Manufacturing Steps	The solution of your choice			
	CE-marked kits	Unlabeled Vials	Bulk	Raw Material Components
Component Manufacturing Production of the components required for your manufacturing process				
Product Manufacturing Use our components to manufacture your final product				You
Vial Filling Fill vials with the bulk solution we provide, tailored to your desired volume			You	You
Vial Labelling Label the vials with your brand name		You	You	You
Kit Assembly Assemble complete product kits using components we supply		You	You	You



Bulk Solution

We provide the finished product in bulk containers; you fill it into vials and sell under your own brand name.



Raw Material Component Solution

We supply the components; you manufacture and brand the finished product.

Our reagent offer

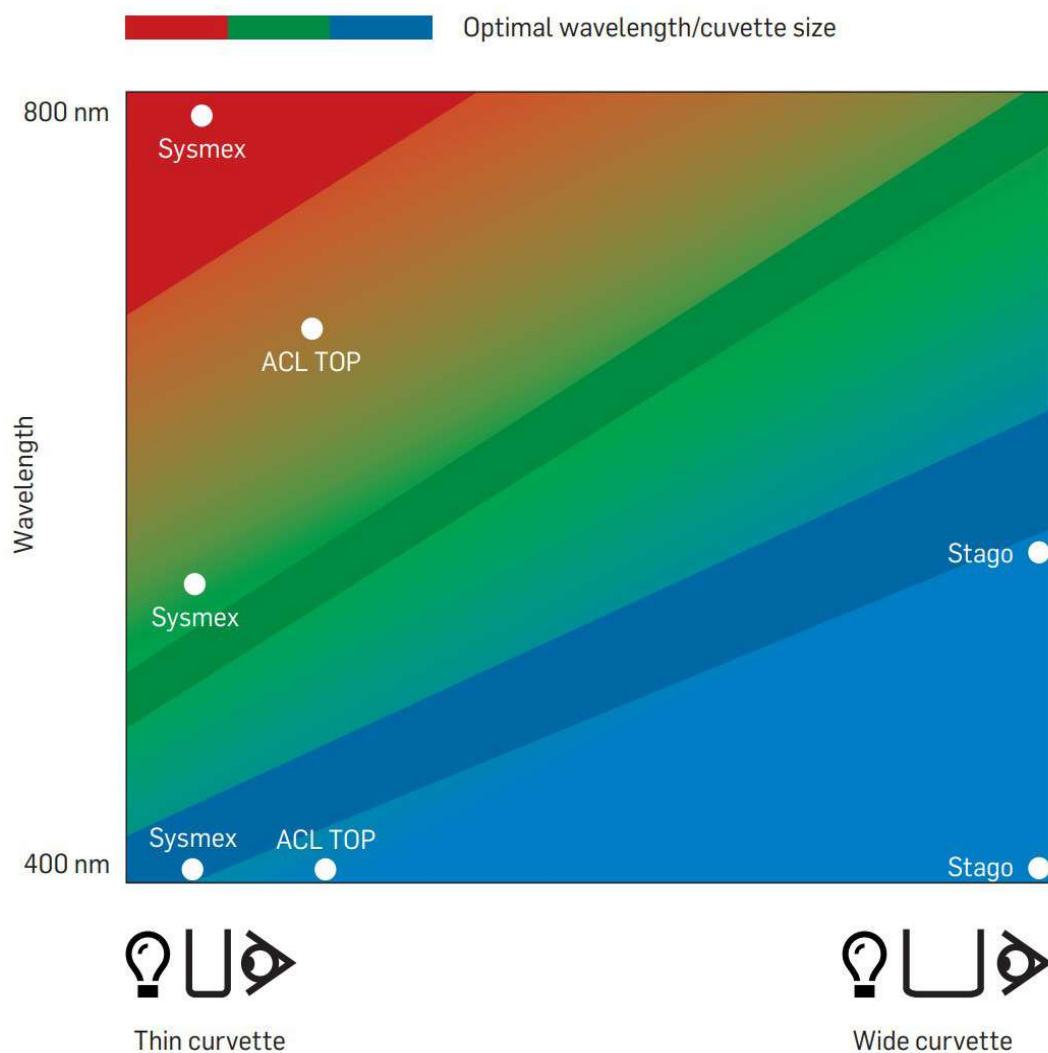
Our wide range of reagents are known for their high quality and cover the needs for both routine and specialty coagulation diagnostics. The reagents, together with our calibrators and control kits and their associated products, form a complete solution for the coagulation laboratory.

Routine assays

- ▶ PT
- ▶ APTT
- ▶ Fib Clauss
- ▶ Thrombin Time
- ▶ Antithrombin
- ▶ D-dimer

Specialty assays

- ▶ Free Protein S
- ▶ Protein C
- ▶ vWF Antigen
- ▶ FDP
- ▶ PT DOAC (RUO)



One reagent line – many different instruments

Our Latex immunoassays (LIAs) are designed for compatibility with most instruments. We label them with colors to indicate their corresponding optimal wavelength ranges: blue variants for 400–600 nm, green variants for 500–700 nm, and red variants for 600–800 nm.

All products within the same line use the same antibody, ensuring standardized and comparable results regardless of instrument.

So, if all instruments operate at 400 nm, why not always use the blue products? Optical interference in hemolytic, icteric or lipemic

samples is much lower at higher wavelengths. By offering products that can be used at higher wavelengths, we ensure you get the best performance from your instrument.

Our LIA products include:

- ▶ D-Dimer
- ▶ FDP
- ▶ Free Protein S
- ▶ vWF Antigen

Our controls

The use of controls is critical in coagulation testing, as they help verify the accuracy and precision of test results, ensuring that patients receive reliable diagnostic information.

We offer controls focusing on including multiple parameters in a single control. This approach not only reduces cost and work time but also unifies the quality assessment program for laboratories.

Our flexibility and developing capabilities extend to our control offerings. If you are seeking a control with customized specifications or would like us to develop a control tailored to your needs, we are here to help!



TYPICAL LEVELS

Parameter	Normal	Abnormal	Severe abnormal
PT Owren (INR)	0.9 – 1.2	2.3 – 2.9	3.2 - 4.1
PT Quick (INR)	0.9 – 1.2	1.9 – 2.9	2.8 - 4.1
Thrombin Time (sec)	13.6 – 17.4	-	-
APTT (sec)	28 – 32	54 – 66	65 - 105
Fibrinogen (g/L)	2.2 – 3.5	1.0 – 1.5	0.9 - 1.4
Antithrombin (IU/mL)	0.80 – 1.20	0.35 – 0.55	0.21 - 0.33
D-dimer DDU (ng/mL)	300 – 500	800 – 1200	1300 - 1600
D-dimer FEU (ng/mL)	750 – 1250	2000 – 3000	3250 - 4000
Free Protein S (%)	80 – 110	35 – 55	-
Protein C (%)	85 – 110	35 – 55	-
vWF Antigen (%)	90 – 140	20 – 50	-

Routine Multicontrol

Included parameters:

- ▶ PT
 - ▶ APTT
 - ▶ Fibrinogen
 - ▶ Thrombin Time
 - ▶ Antithrombin
 - ▶ D-dimer
-

Specialty Multicontrol

Included parameters:

- ▶ PT
- ▶ APTT
- ▶ Fibrinogen
- ▶ Thrombin Time
- ▶ Antithrombin
- ▶ D-dimer
- ▶ Free Protein S
- ▶ Protein C
- ▶ vWF Antigen
- ▶ Factors*

*Can be added upon request.

Additional controls

Point of Care Testing (POCT) Controls

- ▶ INR Control
- ▶ D-dimer Control

Plasma Free Controls

- ▶ FDP Controls
- ▶ Custom plasma free controls on request

Our services

We aim to be more than just a supplier. In our most successful partnerships, we bring valuable knowledge directly into your business. When you choose Nordic Biomarker for your products, you receive more than just a kit with reagents. Learn how we can assist with instrument applications, regulatory documents, and product development.

Application Support

Our team of product specialists is ready to help you quickly integrate your reagents on any platform. We maintain a growing library of fully validated application sheets for popular instruments. If you need an application not yet available, we're happy to assist, either remotely or on-site.

Application Development

Developing an application that meets your quality standards requires precision and knowledge. Even though all coagulation instruments share common functions, differences in key components can significantly impact performance.

Factors such as the optical pathlength of the cuvette, software settings, and available wavelengths all play a role. Together with your desired cost-performance balance, we're here to guide you in setting up the ideal application. Our

team can assist you remotely if you prefer to handle the lab work independently, or we can send a product specialist to work alongside you directly on the instrument.

Registration

We develop all our products from scratch and can provide the necessary documentation for registrations. Whether you're purchasing our CE-marked kits for market registration or buying as OEM and need support for your branded products, we'll assist you every step of the way.

Product development

Our standard products offer flexibility and high performance across a wide range of instruments. We also provide options for custom reagent development, whether you need modified formulations or entirely new products. Additionally, we offer customized filling volumes to suit your specific requirements.



CE-marked Kits

ROUTINE REAGENTS

Product no	Product name	Kit composition	Shelf life at 2-8°C (months)	Open vial stability*	Product form
K5024	MRX PT Quick	10x5 mL	24	5 days	Lyophilised
K5026	MRX PT Owren	10x10 mL	30	4 or 6 days	Lyophilised
K5029	MRX APTT	10x5 mL	24	4 weeks	Liquid
K5030	MRX APTT	10x10 mL	24	4 weeks	Liquid
K5031	MRX Fib Clauss	10x5 mL	24	7 days	Lyophilised
K5032	MRX Thrombin Time	6x2 mL	24	7 days	Lyophilised
K5033	MRX Antithrombin	3x6 mL FXa 3x4.5 mL Substrate	24	4 weeks	Liquid
K5035	MRX Blue D-dimer	5x6 mL Latex reagent 5x7 mL Reaction buffer	18	8 weeks	Liquid
K5034	MRX Red D-dimer	5x4 mL Latex reagent 5x7 mL Reaction buffer	18	8 weeks	Liquid
K5011	MRX Green D-dimer	5x3.5 mL Latex reagent 5x7 mL Reaction buffer	18	8 weeks	Liquid

SPECIALTY REAGENTS

Product no	Product name	Kit composition	Shelf life at 2-8°C (months)	Open vial stability*	Product form
K5010	MRX Blue Free Protein S	3x2.5 mL Latex reagent 3x4 mL Reaction buffer	18	8 weeks	Liquid
K5009	MRX Red Free Protein S	3x2.5 mL Latex reagent 3x4 mL Reaction buffer	18	4 weeks	Liquid
K5020	MRX Protein C	3x2.5 mL Activator 3x2.5 mL Substrate	18	8 weeks	Liquid
K5052	MRX Green vWF Antigen	3x3.5 mL Latex reagent 3x3.5 mL Reaction buffer	18	10 weeks	Liquid
K5016	MRX Green FDP	3x3.5 mL Latex reagent 3x5 mL Reaction buffer	18	8 weeks	Liquid

CONTROLS

Product no	Product name	Kit composition	Shelf life at 2-8°C (months)	Open vial stability*	Product form
K5039	MRX Routine Normal Control	10x1 mL	30	24 hours	Lyophilised
K5040	MRX Routine Abnormal Control	10x1 mL	30	24 hours	Lyophilised
K5021	MRX Specialty Normal Control	10x1 mL	30	24 hours	Lyophilised
K5022	MRX Specialty Abnormal Control	10x1 mL	30	24 hours	Lyophilised
K5018	MRX FDP Clear Low Control	10x1 mL	30	24 hours	Lyophilised
K5019	MRX FDP Clear High Control	10x1 mL	30	24 hours	Lyophilised

CALIBRATORS, BUFFERS AND SOLUTIONS

Product no	Product name	Kit composition	Shelf life at 2-8°C (months)	Open vial stability*	Product form
K5041	MRX Antithrombin Calibrator	4x1 mL	24	8 hours	Lyophilised
K5042	MRX Fib Clauss Calibrator	4x1 mL	24	12 hours	Lyophilised
K5043	MRX PT Quick (INR) Calibrator Set	6x1 mL (1 for each level)	24	8 hours	Lyophilised
K5044	MRX Free Protein S Calibrator	4x1 mL	30	24 hours	Lyophilised
K5012	MRX D-dimer DDU Calibrator	4x1 mL	30	24 hours	Lyophilised
K5045	MRX D-dimer FEU Calibrator	4x1 mL	30	24 hours	Lyophilised
K5023	MRX Protein C Calibrator	4x1 mL	30	24 hours	Lyophilised
K5053	MRX vWF Antigen Calibrator	4x1 mL	30	24 hours	Lyophilised
K5017	MRX FDP Clear Calibrator Set	5x1 mL (1 for each level)	30	24 hours	Lyophilised
K5036	MRX Laboratory Water	10x5 mL	36	4 weeks	Liquid
K5037	MRX PT Buffer	10x5 mL	30	8 weeks	Liquid
K5046	MRX Sodium Chloride Diluent	10x5 mL	36	4 weeks	Liquid
K5047	MRX PBS Diluent	10x5 mL	36	4 weeks	Liquid
K5050	MRX Calcium Chloride	10x5 mL	36	8 weeks	Liquid
K5051	MRX Calcium Chloride	10x10 mL	36	8 weeks	Liquid

*The temperature specification may vary. Please refer to each product's individual sheet for details.

Unlabeled Vials

ROUTINE REAGENTS

Product no	Product name	Vial size	Shelf life at 2-8°C (months)	Open vial stability*	Product form
C3093	PT Quick 5 mL	5 mL	24	5 days	Lyophilised
C3100	APTT 5 mL	5 mL	24	4 weeks	Liquid
C3101	APTT 10 mL	10 mL	24	4 weeks	Liquid
C3103	Fib Clauss 5 mL	5 mL	24	7 days	Lyophilised
C3104	Thrombin Time 2 mL	2 mL	24	7 days	Lyophilised
C3105	Bovine Factor Xa 6 mL	6 mL Bovine FXa	24	4 weeks	Liquid
C3106	Factor Xa Substrate 3 mL	3 mL FXa Substrate	24	4 weeks	Liquid
C3235	Factor Xa Substrate 4.5 mL	4.5 mL FXa Substrate	24	4 weeks	Liquid
P4036	Blue D-dimer 6 mL + 7 mL	6 mL Latex reagent 7 mL Reaction buffer	18	8 weeks	Liquid
P4002	Red D-dimer 4 mL	4 mL Latex reagent 7 mL Reaction buffer	18	8 weeks	Liquid
P4030	Green D-dimer HC 3.5 mL	3.5 mL Latex reagent 7 mL Reaction buffer	18	8 weeks	Liquid

SPECIALTY REAGENTS

Product no	Product name	Vial size	Shelf life at 2-8°C (months)	Open vial stability*	Product form
P4011	Blue Free Protein S 2.5 mL	2.5 mL Latex reagent 4 mL Reaction buffer	18	8 weeks	Liquid
P4010	Red Free Protein S 2.5 mL	2.5 mL Latex reagent 4 mL Reaction buffer	18	4 weeks	Liquid
P4032	Protein C 2.5 mL	2.5 mL Activator 2.5 mL Substrate	18	8 weeks	Liquid
P4033	Green vWF Antigen 3.5 mL + 3.5 mL	3.5 mL Latex reagent 3.5 mL Reaction buffer	18	10 weeks	Liquid
P4026	Green FDP 3.5 mL	3.5 mL Latex reagent 5 mL Reaction buffer	18	8 weeks	Liquid

CONTROLS

Product no	Product name	Vial size	Shelf life at 2-8°C (months)	Open vial stability*	Product form
C3109	Routine Normal Control	1 mL	30	24 hours	Lyophilised
C3110	Routine Abnormal Control	1 mL	30	24 hours	Lyophilised
C3111	Routine Level 3 Control	1 mL	28	24 hours	Lyophilised
C3112	Specialty Normal Control	1 mL	30	24 hours	Lyophilised
C3113	Specialty Abnormal Control	1 mL	30	24 hours	Lyophilised
C3057	FDP Clear Low Control	1 mL	30	24 hours	Lyophilised
C3058	FDP Clear High Control	1 mL	30	24 hours	Lyophilised
C3193-C3197	POCT INR Control L1-L5	Ready to use plastic vial	1	5 days	Liquid
C3198-C3200	POCT D-dimer Control L1-L5	Cryo tubes	1	5 days	Liquid
C3201-C3203	POCT D-dimer Control L1-L3 Bulk	Bulk container	1	5 days	Liquid

CALIBRATORS, BUFFERS AND SOLUTIONS

Product no	Product name	Vial size	Shelf life at 2-8°C (months)	Open vial stability*	Product form
C3122	Antithrombin Calibrator	1 mL	24	8 hours	Lyophilised
C3123	Fib Clauss Calibrator	1 mL	24	12 hours	Lyophilised
P4038	PT Quick (INR) Calibrator Set	6x1 mL (1 for each level)	24	8 hours	Lyophilised
C3025	Free Protein S Calibrator	1 mL	30	24 hours	Lyophilised
C3131	D-dimer Calibrator	1 mL	30	24 hours	Lyophilised
C3083	Protein C Calibrator	1 mL	30	24 hours	Lyophilised
C3088	vWF Antigen Calibrator	1 mL	30	24 hours	Lyophilised
P4025	FDP Clear Calibrator Set	5x1 mL (1 for each level)	30	24 hours	Lyophilised
C3137	Laboratory Water 5 mL	5 mL	36	4 weeks	Liquid
C3138	PT Buffer 5 mL	5 mL	30	8 weeks	Liquid
C3135	Sodium Chloride Diluent 5 mL	5 mL	36	4 weeks	Liquid
C3136	PBS Diluent 5 mL	5 mL	36	4 weeks	Liquid
C3142	Calcium Chloride 5 mL	5 mL	36	8 weeks	Liquid
C3143	Calcium Chloride 10 mL	10 mL	36	8 weeks	Liquid

*The temperature specification may vary. Please refer to each product's individual sheet for details.

Bulk Products

Product no	Product name	Kits	Unlabeled vials
C3102	APTT Bulk	K5029	C3100
P4029	Antithrombin FXa Bulk	K5033	C3105, C3106
P4008	D-dimer 400 Bulk	K5035	P4036
P4006	D-dimer 700 Bulk	K5034	P4002
P4027	D-dimer 550 HC Bulk	K5011	P4030
P4028	FPS 400 Bulk	K5010	P4011
P4016	FPS 700 Bulk	K5009	P4010
P4031	Protein C Bulk	K5020	P4032
P4034	Green vWF Antigen Bulk	K5052	P4033
P4014	FDP 550 Bulk	K5016	P4026
C3144	Calcium Chloride Bulk	K5050, K5051	C3142, C3143
C3224	Factor II Deficient Plasma Bulk		
C3225	Factor V Deficient Plasma Bulk		
C3226	Factor VII Deficient Plasma Bulk		
C3227	Factor VIII Deficient Plasma Bulk		
C3228	Factor IX Deficient Plasma Bulk		
C3229	Factor X Deficient Plasma Bulk		
C3230	Factor XI Deficient Plasma Bulk		
C3231	Factor XII Deficient Plasma Bulk		

Raw Material Components (RMC)

Product no	Product name	Kits	OEM Vials	OEM Bulk
C3089-C3092	FPS 700 Raw Material Components	K5009	P4010	P4016
C3178-C3181	vWF Ag 550 Raw Material Components	K5052	P4033	P4034
P4052, P4053	D-dimer 700 Raw Material Components	K5034	P4002	P4006

More products are under development for inclusion in our RMC offer.

Table of Associated Products

	PT Quick	PT Owren	APTT	Fib Clauss	Thrombin Time	Anti-thrombin	D-dimer Reagents	FPS Reagents	FDP	Protein C	vWF Antigen
Routine Normal Control	x	x	x	x	x	x	x				
Routine Abnormal Control	x	x	x	x		x	x				
Specialty Normal Control	x	x	x	x	x	x	x	x		x	x
Specialty Abnormal Control	x	x	x	x		x	x	x		x	x
FDP Clear Low Control									x		
FDP Clear High Control									x		
PT Quick (INR) Calibrator Set	x										
Fib Clauss Calibrator				x							
Antithrombin Calibrator						x					
D-dimer Calibrator							x				
Free Protein S Calibrator								x			
FDP Clear Calibrator Set									x		
Protein C Calibrator										x	
vWF Antigen Calibrator											x
Sodium Chloride Diluent				x		x					
PBS Diluent							x	x	x	x	x
Laboratory Water	x	x	x	x	x	x	x	x	x	x	x
PT Buffer		x									
Calcium Chloride		x	x								

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