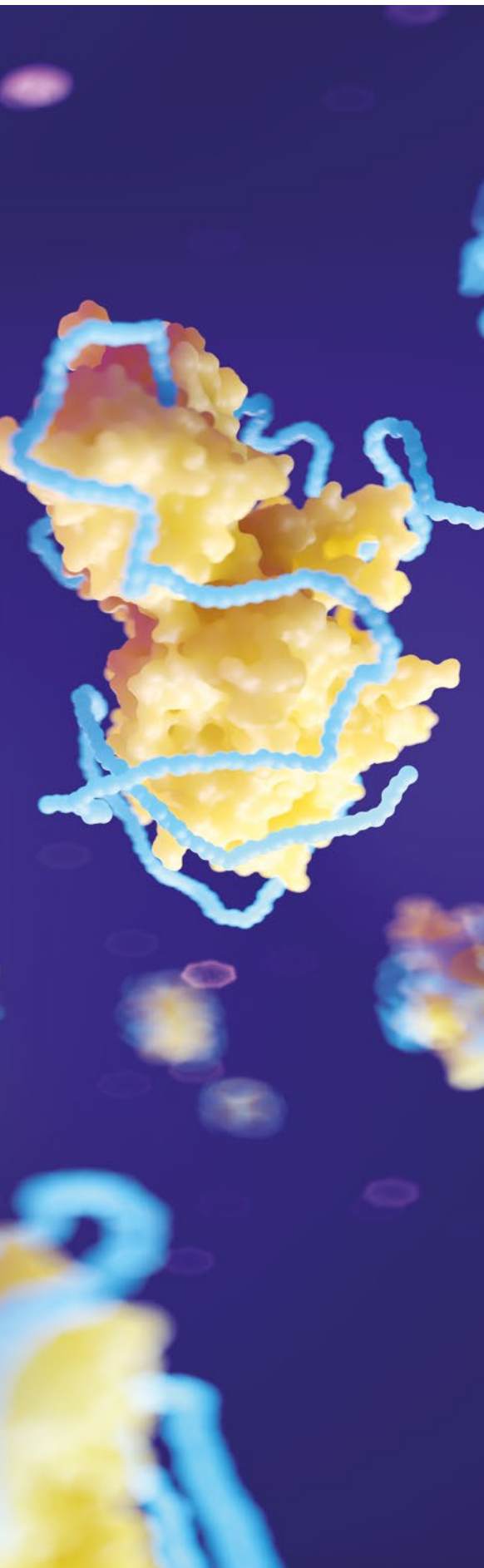


# Haemostasis reagent catalogue

Exhaustive, innovative and  
high-performing haemostasis  
reagent portfolio





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# Elevating haemostasis diagnostics, empowering healthcare

Welcome to the Sysmex haemostasis reagents catalogue, compiled to empower your laboratory with the tools necessary for reliable and efficient haemostasis testing. For over 30 years, Sysmex has been at the forefront of instrument development, algorithm design, and analytical logic. This deep knowledge, combined with extensive customer service and support experience, allows us to create optimal assay application settings and parameterisations for even the most challenging patient samples.

At Sysmex, we understand the critical role of reliable haemostasis testing in patient care. That's why we offer a complete solution: A top-class reagent portfolio, advanced analysers, and expertly designed application protocols. This powerful combination delivers robust and dependable results you can trust, every time.

Whether you require routine assays for bleeding risk management or specialised tests for thrombophilia and anticoagulant therapy management, our extensive portfolio caters to your diverse needs. This catalogue serves as your guide to a world-class selection of reagents, including:

**Routine assays:** Find essential reagents such as Prothrombin Time (PT) and Activated Partial Thromboplastin Time (APTT) assays, forming the cornerstone of your haemostasis testing.

**Specialised assays:** Explore a comprehensive range of reagents for specialised testing, encompassing parameters like single coagulation factor, von Willebrand Factor activity and fibrinolysis evaluation. Throughout this catalogue, you'll find detailed descriptions of each reagent, including its REF code, material number, packaging, and compatibility with Sysmex coagulation analysers. We understand the critical role that quality reagents play in ensuring accurate and timely results. Our commitment to excellence extends beyond product offerings, providing technical support and resources to optimise your laboratory workflow.

With Sysmex, you gain more than just high-quality reagents. You gain a trusted partner dedicated to providing the tools and support you need to deliver exceptional patient care.

## Prothrombin Time

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>Innovin</b>	Prepared from purified recombinant human tissue factor. High sensitivity to extrinsic factor deficiencies and oral anticoagulant-treated patient plasma samples. Ideal for monitoring oral anticoagulant therapy with vitamin K-antagonists.		✓	B4212-40 B4212-50 B4212-100	10873825 10873826 10873824	10 × for 4 mL 10 × for 10 mL 12 × for 20 mL
<b>Thromborel S</b>	Prepared from human placental tissue factor. Suitable for monitoring oral anticoagulant therapy with vitamin K-antagonists. Good correlation with the WHO international reference thrombo-plastin preparation.			OUHP29 OUHP49	10873886 10873887	10 × for 4 mL 10 × for 10 mL
<b>PT-Multi Calibrator</b>	A set of six plasmas intended for the direct calibration of prothrombin time (PT) in INR and % of norm. The calibrators are also suitable for the determination of a local ISI value. The single plasma levels have calibrated values for each PT reagent on each instrument.			OPAT03	10873847	6 level × for 1 mL

## Activate Partial Thromboplastin Time

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>Actin Activated Cephaloplastin</b>	Moderate sensitivity to factor deficiencies (VIII, IX, XI, and XII). Ideal for moderate screening APTT reagent for routine testing. Low heparin sensitivity and moderate sensitivity to lupus anticoagulants.	💧	✓	B4218-1 B4218-2	10873827 10873829	10 × 2 mL 10 × 10 mL
<b>Actin FS Activated PTT</b>	High sensitivity for the detection of factor deficiencies (VIII, IX, XI and XII). Low sensitivity to lupus anticoagulants and high sensitivity to heparin. Suitable for the determination of single-factor activities in combination with corresponding deficient plasmas (VIII, IX, XI and XII).	💧	✓	B4218-20 B4218-100	10873830 10873828	10 × 2 mL 10 × 10 mL
<b>Actin FSL Activated PTT</b>	High sensitivity to lupus anticoagulants and moderate heparin sensitivity. The reagent shows good factor sensitivity to detect clinically significant deficiencies. Suitable for screening testing. Suitable for the determination of single-factor activities in combination with corresponding deficient plasmas (VIII, IX, XI and XII).	💧	✓	B4219-1 B4219-2	10873831 10873832	10 × 2 mL 10 × 10 mL
<b>Pathromtin SL</b>	High sensitivity to lupus anticoagulants, factor deficiencies, and heparin. Suitable for the determination of single-factor activities in combination with corresponding deficient plasmas (VIII, IX, XI and XII). Longer open vial stability.	💧		OQGS29 OQGS35 10873816 <sup>2</sup>	10873862 10873863 10873816 <sup>2</sup>	10 × 5 mL 20 × 5 mL 10 × 10 mL

<sup>1</sup> May vary depending on countries. Please check with your local Sysmex representatives.<sup>2</sup> Specific country only.**LIQ:** Liquid formulation, no reconstitution required. **MSTR:** No to Minimal Standing Time Required (0-5 min).

## Fibrinogen

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>Thrombin reagent</b>	This reagent is used for the determination (Clauss method) of fibrinogen for the detection of hereditary or acquired hypo- and hyperfibrinogenemia, dysfibrinogenemia, and afibrinogenemia. Long stability after reconstitution.		✓	B4233-25 B4233-27	10873837 10873838	10 × for 1 mL 10 × for 5 mL
<b>Fibrinogen Determination Reagents</b>	This kit consists of Thrombin reagent, Fibrinogen Standard, and Owren's Veronal Buffer for use in the determination of fibrinogen (Clauss method) as described above.		✓	B4233-15SY	10873835	Kit
<b>Data-Fi Abnormal Fibrinogen Control Plasma</b>	This is derived from human plasma. It is used to assess the accuracy and precision of Fibrinogen Determination reagents and Thrombin in the lower range.			B4233-22	10873836	10 × for 1 mL
<b>Multifibren U</b>	This reagent is a bovine thrombin reagent used in the modified Clauss determination of fibrinogen for the detection of hereditary or acquired hypo- and hyperfibrinogenemia and dysfibrinogenemia. The reagent has a wide measuring range of 0.80–12.00 g/L. (Depending on the instrument)			OWZG19 OWZG23	10873900 10873901	10 × for 2 mL 10 × for 5 mL
<b>Kaolin Suspension</b>	It is used as a supplementary reagent for Multifibren U for the CA-101/104.	💧	✓	OQAB45	10873859	1 × 50 mL
<b>Fibrinogen Calibrator kit</b>	Contains a set of six plasmas used to prepare reference curves for the fibrinogen assay by the modified Clauss method using Multifibren U reagent. (Fibrinogen levels 1–6 have a range of approximately 0.6–9.0 g/L.)			OQVK11	10873868	6 level × 1 × for 1 mL

## Thrombin Time/Batroxobin Time

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>Thromboclotin</b>	For the determination of thrombin time. Suitable for monitoring of fibrinolytic therapy, screening for disorders of fibrin formation, in suspected cases of severe fibrinogen deficiency states, and for differentiation between heparin-induced prolongation of the thrombin time and disorders of fibrinogen formation.		✓	281007	10873820	10 × for 10 mL
<b>Test Thrombin</b>	For the determination of thrombin time. This reagent is suitable for monitoring fibrinolytic therapy, screening for disorders of fibrin formation, in suspected cases of severe fibrinogen deficiency states, and for differentiation between heparin-induced prolongation of thrombin time and disorders of fibrinogen formation.		✓	OWHM13	10873894	10 × for 5 mL
<b>Batroxobin Reagent</b>	For the determination of the batroxobin time. This reagent is ideal for monitoring fibrinolytic therapy by determination of fibrinogen/ fibrin degradation products, diagnosis of afibrinogenemia and dysfibrinogenemia, and elucidation of prolonged thrombin times in cases of suspected presence of heparin.			OUOV21	10873889	2 × for 5 mL

## Deficient Plasma

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>Coagulation Factor II Deficient Plasma</b>	Human plasma-based reagent for the detection of hereditary or acquired deficiencies of factor II. Contains a residual factor activity of < 1% factor II activity.			OSGR13	10873878	3 × for 1 mL
<b>Coagulation Factor V Deficient Plasma</b>	Human plasma-based reagent for the detection of hereditary or acquired deficiencies of factor V. Contains a residual factor activity of < 1% factor V activity.			ORSM19	10873875	8 × for 1 mL
<b>Coagulation Factor VII Deficient Plasma</b>	Human plasma-based reagent for the detection of hereditary or acquired deficiencies of factor VII. Contains a residual factor activity of < 1% factor VII activity.			OTXV13	10873879	3 × for 1 mL
<b>Coagulation Factor VIII Deficient Plasma</b>	Human plasma-based reagent for the detection of hereditary or acquired deficiencies of factor VIII. Contains a residual factor activity of < 1% factor VIII activity.			OTXW17	10873880	8 × for 1 mL
<b>Coagulation Factor IX Deficient Plasma</b>	Human plasma-based reagent for the detection of hereditary or acquired deficiencies of factor IX. Contains a residual factor activity of < 1% factor IX activity.			OTXX17	10873881	8 × for 1 mL
<b>Coagulation Factor X Deficient Plasma</b>	Human plasma-based reagent for the detection of hereditary or acquired deficiencies of factor X. Contains a residual factor activity of < 1% factor X activity.			OTXY13	10873882	3 × for 1 mL
<b>Coagulation Factor XI Deficient Plasma</b>	Human plasma-based reagent for the detection of hereditary or acquired deficiencies of factor XI. Contains a residual factor activity of < 1% factor XI activity.			OSDF13	10873883	3 × for 1 mL
<b>Coagulation Factor XII Deficient Plasma</b>	Human plasma-based reagent for the detection of hereditary or acquired deficiencies of factor XII. Contains a residual factor activity of < 1% factor XII activity.			OSDG13	10873877	3 × for 1 mL

## Chromogenic Assays





Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>Factor VIII Chromogenic Assay</b>	Recommended for factor FVIII determination in therapeutic factor FVIII preparations and the detection of hereditary or acquired factor VIII deficiencies.			B4238-40	10873840	Kit
<b>Berichrom F XIII</b>	Chromogenic, quantitative assay for the detection of hereditary acquired factor XIII deficiencies. This is also used for the monitoring of patients undergoing factor XIII substitution therapy.			OWSU11	10873897	Kit

<sup>1</sup> May vary depending on countries. Please check with your local Sysmex representatives.


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## Anticoagulant monitoring

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>Revohem Anti-Xa LRT</b>	Chromogenic assay for the quantitative determination of Factor Xa (FXa) inhibitors. This method is for monitoring patients on Heparin (UFH/LMWH) therapy and to monitor anticoagulant status for patients on oral anticoagulant therapy (Apixaban, Rivaroxaban and Edoxaban).			CG217097 AL064127 BU634799	CG217097 AL064127 BU634799	3 x 3 mL 4 x 5 mL 4 x 7.5 mL
<b>Revohem Anti-Xa Diluent</b>	Sample diluent for Revohem Anti-Xa assay			AF018369 CW518576	AF018369 CW518576	4 x 20 mL 10 x 20 mL
<b>Revohem Heparin Hybrid Calibrator</b>	For calibration of LMWH and UFH assays using Revohem Anti-Xa LRT.			BQ221064	BQ221064	5 levels x 4 x 1mL
<b>Revohem UFH Control Plasma</b>	For quality control of Unfractionated Heparin (UFH) assays using Revohem Anti-Xa assay. Includes two levels of UFH controls, C1 ~ 0.20 IU/mL and C2 ~ 0.5 IU/mL. Controls are traceable to WHO International Standard of reference for UFH.			AZ296682	AZ296682	2 levels x 6 x 1 mL
<b>Revohem LMWH Control Plasma</b>	For quality control of Low-molecular-weight heparin (LMWH) assays using Revohem Anti-Xa assay. Includes two levels of LMWH controls, C1 ~ 0.50 IU/mL and C2 ~ 1.20 IU/mL. Controls are traceable to WHO International Standard of reference for LMWH.			CE227688	CE227688	2 levels x 6 x 1 mL
<b>Revohem Apixaban Control</b>	For quality control of Apixaban assays using Revohem Anti-Xa assay. Includes two levels of Apixaban controls, C1 ~ 80 ng/mL and C2 ~ 200 ng/mL.			AY519357	AY519357	2 levels x 6 x 1 mL
<b>Revohem Apixaban Calibrator</b>	For calibration of Apixaban assays using Revohem Anti-Xa LRT. Calibrators are traceable to US Pharmacopoeia (USP) Reference Standard for Apixaban.			AP675507	AP675507	3 levels x 3 x 1 mL
<b>Revohem Edoxaban Control</b>	For quality control of Edoxaban assays using Revohem Anti-Xa assay. Includes two levels of Edoxaban controls, C1 ~ 80 ng/mL and C2 ~ 300 ng/mL.			AD713277	AD713277	2 levels x 6 x 1 mL
<b>Revohem Edoxaban Calibrator</b>	For calibration of Edoxaban assays using Revohem Anti-Xa LRT. Calibrators are traceable to internal standard of reference using the LC-MS/MS reference measurement procedure for Edoxaban.			CE077977	CE077977	3 levels x 3 x 1 mL
<b>Revohem Rivaroxaban Control</b>	For quality control of Rivaroxaban assays using Revohem Anti-Xa assay. Includes two levels of Rivaroxaban controls, C1 ~ 80 ng/mL and C2 ~ 300 ng/mL.			BB808578	BB808578	2 levels x 6 x 1 mL
<b>Revohem Rivaroxaban Calibrator</b>	For calibration of Rivaroxaban assays using Revohem Anti-Xa LRT. Calibrators are traceable to European Pharmacopoeia (Ph. Eur.) Certified Reference Standard for Rivaroxaban.			AC222492	AC222492	3 levels x 3 x 1 mL
<b>Revohem Fondaparinux Control</b>	For quality control of Fondaparinux sodium assays. Includes two levels of Fondaparinux controls, C1 ~ 0.4 µg/mL and C2 ~ 1.2 µg/mL.			BT830756	BT830756	2 levels x 6 x 1 mL
<b>Revohem Fondaparinux Calibrator</b>	For Calibration of Fondaparinux sodium assays using Revohem Anti-Xa LRT. Calibrators are traceable to US Pharmacopoeia (USP) Reference Standard for Fondaparinux sodium.			CW731055	CW731055	4 levels x 3 x 1 mL
<b>Revohem Danaparoid Control</b>	For quality control of Danaparoid sodium assays. Includes two levels of Danaparoid controls, C1 ~ 0.5 U/mL and C2 ~ 1.0 U/mL.			CJ744965	CJ744965	2 levels x 6 x 1 mL
<b>Revohem Danaparoid Calibrator</b>	For Calibration of Danaparoid sodium assays using Revohem Anti-Xa LRT. Calibrators are traceable to European Pharmacopoeia (Ph. Eur.) Reference Standard for Danaparoid Sodium.			CE707939	CE707939	5 levels x 4 x 1 mL

## Anticoagulant monitoring


Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>INNOVANCE Heparin</b>	Chromogenic assay for the quantitative determination of the activity of unfractionated heparin (UFH) and low-molecular-weight heparin (LMWH). Ready-to-use liquid reagents and a single hybrid calibration curve for LMWH and UFH.			OPOA03	10873916	Kit
<b>INNOVANCE Anti-Xa</b>	Chromogenic assay for the quantitative determination of unfractionated heparin (UFH) and low molecular weight heparin (LMWH) activity for monitoring patients under UFH or LMWH therapy. Ready-to-use liquid reagents and a single hybrid calibration curve for LMWH and UFH. This reagent is also used for the quantitative determination of the direct factor Xa inhibitors rivaroxaban and apixaban as an aid in diagnosis to detect the anticoagulant status in patients under therapy with these factor Xa inhibitors.			OPPU05	10873942	Kit
<b>INNOVANCE DTI Assay</b>	Chromogenic assay for quantitative measurement of the direct thrombin inhibitor Dabigatran. Ready-to-use reagent can be used with standards and controls for Dabigatran testing.			OPOH03	10873922	Kit
<b>INNOVANCE Heparin Calibrator</b>	For calibration of the INNOVANCE Heparin/INNOVANCE Anti-Xa assays for the quantitative determination of the activity of unfractionated heparin (UFH) and low-molecular-weight heparin (LMWH) using a hybrid calibration curve. The calibrators are traceable to the WHO Standards for LMWH and UFH.			OPOB03	10873867	5 Level × 1 × 1 mL
<b>INNOVANCE Heparin UF Control 1</b>	For quality control of the INNOVANCE Heparin/ INNOVANCE Anti-Xa assays for the quantitative determination of unfractionated heparin (UFH). Concentration of heparin ~0.3 IU/mL.			OPOC03	10873920	5 × for 1 mL
<b>INNOVANCE Heparin UF Control 2</b>	For quality control of the INNOVANCE Heparin/ INNOVANCE Anti-Xa assays for the quantitative determination of unfractionated heparin (UFH). Concentration of heparin ~0.7 IU/mL.			OPOD03	10873919	5 × for 1 mL
<b>INNOVANCE Heparin LMW Control 1</b>	For quality control of the INNOVANCE Heparin/ INNOVANCE Anti-Xa assays for the quantitative determination of low-molecular-weight heparin (LMWH). Concentration of heparin ~0.4 IU/mL.			OPOE03	10873917	5 × for 1 mL
<b>INNOVANCE Heparin LMW Control 2</b>	For quality control of the INNOVANCE Heparin/ INNOVANCE Anti-Xa assays for the quantitative determination of low-molecular-weight heparin (LMWH)]. Concentration of heparin ~1.0 IU/mL.			OPOF03	10873918	5 × for 1 mL
<b>Dabigatran Controls</b>	For the INNOVANCE DTI Assay for the quantification of Dabigatran Concentration of Dabigatran: Control L ~65 ng/mL and Control H ~250 ng/mL.			OPOK03	10873923	2 level × 5 × for 1 mL
<b>Dabigatran Standards</b>	For the calibration of the INNOVANCE DTI Assay for the quantification of Dabigatran. The Standards set consists of a Dabigatran Standard 0 and Dabigatran Standard 1 with a concentration of dabigatran > 500 ng/mL.			OPOL03	10873924	2 level × 3 × for 1 mL



## Anticoagulant monitoring

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>INNOVANCE Rivaroxaban Controls</b>	For quality control of the INNOVANCE Anti-Xa assay for the quantitative determination of rivaroxaban. Including two levels of rivaroxaban controls, Control 1 ~70 ng/mL; Control 2 ~250 ng/mL.			OPPS03	10873940	2 Level × 5 × for 1 mL
<b>INNOVANCE Rivaroxaban Standards</b>	For calibration of the INNOVANCE Anti-Xa assay for the quantitative determination of the concentration of rivaroxaban. The Standards set consists of a Standard 0 without rivaroxaban and a Standard 1 with ~420 ng/mL rivaroxaban.			OPPT03	10873941	2 Level × 2 × for 1 mL
<b>INNOVANCE Apixaban Controls</b>	For quality control of the INNOVANCE Anti-Xa assay for the quantitative determination of apixaban. Including two levels of apixaban controls, Control 1 ~70 ng/mL; Control 2 ~250 ng/mL.			OPPV03	10873938	2 Level × 5 × for 1 mL
<b>INNOVANCE Apixaban Standards</b>	For calibration of the INNOVANCE Anti-Xa assay for the quantitative determination of the concentration of apixaban. The Standards set consists of a Standard 0 without apixaban and a Standard 1 with ~420 ng/mL apixaban.			OPPW03	10873939	2 Level × 2 × for 1 mL

## Antithrombin

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>INNOVANCE Antithrombin</b>	Chromogenic assay for the quantitative determination of functional antithrombin. The human factor Xa-based reagent has minimal interference with heparin cofactor II and thrombin inhibitors such as hirudin. Ready-to-use liquid reagents.		✓	OPFH03 OPFH11 OPFH05	10873856 10873911 10873857	Small Kit Medium Kit Large Kit
<b>Berichrom Antithrombin III</b>	Chromogenic assay for the detection of hereditary or acquired antithrombin deficiency and monitoring of patients undergoing substitution therapy. The heparin co-factor-independent lyophilised reagent uses bovine thrombin and exhibits no interference with anti-FXa anticoagulants (e.g., rivaroxaban).			OWWR17 OWWR15	10873899 10873898	Small Kit Large Kit


## Protein C

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>Protein C Reagent</b>	Coagulometric reagent used for the quantitative determination of protein C activity. The reagent is suitable for the detection of hereditary or acquired protein C deficiencies.			OQYG11	10873871	Kit
<b>Berichrom Protein C</b>	Chromogenic activity assay. This is used for the detection of hereditary or acquired protein C deficiency types. The assay is also used for the monitoring of substitution therapy with protein C concentrates in congenital protein C deficiency. This assay is less susceptible to interfering substances than a clotting assay.		✓	OUVV15 OUVV17	10873892 10873893	Large Kit Small Kit

\* May vary depending on countries. Please check with your local Sysmex representatives.

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## Protein S

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>Protein S Ac</b>	Coagulometric activity reagent. This is used for the detection of hereditary or acquired protein S deficiencies.			OPAP03	10873846	Kit
<b>INNOVANCE Free PS Ag</b>	This is for the quantitative detection of free protein S. It is a latex-particle enhanced immunoassay utilising two monoclonal antibodies that have high specificity for free protein S and do not bind to protein S/C4b-binding protein complexes. The high specificity also shows no major interferences, including interferences commonly incurred from rheumatoid factors and heterophilic antibodies. Ready-to-use liquid reagent.		✓	OPGL03	10873858	Kit

## Activated Protein C resistance / Factor V Leiden



Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>ProC Global</b>	This reagent is a coagulometric screening reagent for the protein C pathway. It provides a determination of the anticoagulatory capacity of the protein C system. This is a heparin insensitive reagent and is useful for screening individuals affected by thrombophilia. This kit is sensitive to deficiencies of factor V Leiden and proteins C and S, certain lupus anticoagulants, and high factor VIII levels. Used in conjunction with Coagulation Factor V Deficient Plasma, ProC Global is a suitable test for the determination of Factor V Leiden.			OQLS13	10873866	Kit
<b>ProC Ac R</b>	This is a dilute Russell's viper venom test with a sensitivity and specificity of > 99%, which screens for APC resistance due to the presence of factor V Leiden mutation in patient samples. This reagent is insensitive to heparin and is not influenced by high levels of factor VIII.			OPBC03	10873848	Kit
<b>ProC Control Plasma</b>	Assayed control to estimate precision and analytical deviation of the ProC line of tests in the pathological range.			OQKE17	10873864	6 x 1 mL

## Lupus anticoagulant


Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>LA 1 Screening Reagent<sup>3</sup></b>	This reagent contains dilute Russell's viper venom and low phospholipids for use in the simplified DRVVT as a screening test for the presence of lupus anticoagulants.		✓	OQGP17	OQGP17 (10446063)	10 x for 2 mL
<b>LA 2 Confirmation Reagent<sup>3</sup></b>	This reagent is a simplified dilute Russell's viper venom time rich in phospholipids, aimed for the confirmation of the presence of lupus anticoagulants		✓	OQGR13	OQGR13 (10446064)	10 x for 2 mL
<b>LA Control High<sup>3</sup></b>	Low-positive control for lupus anticoagulant clotting assays using LA 1 Screening and LA 2 Confirmation reagents.			OQWD11	OQWD11 (10446153)	6 x for 1 mL
<b>LA Control Low<sup>3</sup></b>	High-positive control for lupus anticoagulant clotting assays using LA 1 Screening and LA 2 Confirmation reagents.			OQWE11	OQWE11 (10446154)	6 x for 1 mL

<sup>1</sup> May vary depending on countries. Please check with your local Sysmex representatives.<sup>3</sup> Available under Siemens brand.**LIQ:** Liquid formulation, no reconstitution required. **MSTR:** No to Minimal Standing Time Required (0-5 min).

## von Willebrand disease

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>vWF Ag<sup>3</sup></b>	Quantitative, automated immunoassay used to determine the differentiation of quantitative versus qualitative von Willebrand factor deficiencies. It is sensitive to type 1 and 3 VWF deficiencies and offers a wide measuring range of 2–600% of the norm.			OPAB03	OPAB03 10445967	Kit
<b>INNOVANCE VWF Ac</b>	This kit is used for direct determination of VWF activity. It employs an advanced new technology allowing the assay to mimic the binding of VWF to glycoprotein Ib (GPIb), the major VWF receptor protein on platelets. Latex particles are coated with an antibody against GPIb, to which recombinant GPIb is added. The addition of patient plasma induces a VWF-dependent agglutination, which is detected turbidimetrically. Because the recombinant receptor protein includes two gain-of-function mutations, the assay does not require ristocetin.		✓	OPHL03	10873906	Kit
<b>BC von Willebrand Reagent</b>	This is for the determination of the ristocetin cofactor activity of von Willebrand factor. The reagent is sensitive to types 1, 2, and 3 of von Willebrand disease (except VWD 2N) and is the recommended screening method for von Willebrand disease.			OUBD37	10873912	5 × for 4 mL

## D-Dimer

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>INNOVANCE D-Dimer</b>	This kit is a rapid, highly precise, and sensitive latex-enhanced immunoassay for the determination of D-dimer. It offers a high diagnostic sensitivity of > 98% for exclusion of VTE (venous thromboembolism). With its extended assay range, D-dimer levels can be used for the diagnosis and monitoring of patients with disseminated intravascular coagulopathy (DIC), as well as for the monitoring of anticoagulation treatment and pregnancy-related coagulopathies (e.g., preeclampsia and HELLP syndrome).			OPBP03 OPBP07	10873850 10873851	Small Kit Large Kit
<b>INNOVANCE D-Dimer Sample Diluent</b>	For dilution of samples with elevated D-dimer concentrations when running the INNOVANCE D-Dimer Assay.		✓	OPBR03	10873905	10 × 5 mL
<b>INNOVANCE D-Dimer Controls</b>	Assayed controls for the assessment of precision and analytical bias in the normal and pathological range for the determination of D-dimer with the INNOVANCE D-Dimer Assay.			OPDY03	10873854	2 Level × 5 × 1 mL

## Coagulation/Fibrinolytic function

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>Berichrom α2-Antiplasmin</b>	For the determination of α2-Antiplasmin and the detection of hereditary or acquired α2-Antiplasmin deficiencies. This is also applicable to the monitoring of fibrinolytic therapy.			OUBU15	10873884	Kit
<b>Berichrom Plasminogen</b>	For the determination of plasminogen and the detection of hereditary or acquired plasminogen deficiencies.		✓	OUCA17	10873885	Kit
<b>Berichrom C1-Inhibitor</b>	Human C1 esterase-based assay determining the activity of C1 inhibitor in patient samples. This chromogenic activity assay is used for the diagnosis of diminished C1-inhibitor synthesis, increased consumption, and for monitoring substitution therapy as well as androgen therapy.			OUIA15	10873888	Kit

## Platelet aggregation

Product	Description	LIQ	MSTR	REF code	Material no.	Packaging
<b>Revohem ADP</b>	Measurement of ADP-induced platelet aggregation			AP200422	AP200422	3 × for 0.625 mL
<b>Revohem Collagen</b>	Measurement of Collagen-induced platelet aggregation			AW993826	AW993826	3 × for 0.625 mL
<b>Revohem Epinephrine</b>	Measurement of Epinephrine-induced platelet aggregation			BJ882610	BJ882610	3 × for 0.625 mL
<b>Revohem Arachidonic Acid</b>	Measurement of Arachidonic acid-induced platelet aggregation			BV413997	BV413997	3 × for 0.625 mL
<b>Revohem Ristocetin</b>	Measurement of Ristocetin-induced platelet aggregation			BC444030	BC444030	3 × for 0.625 mL

## Calibrator







Product	Description	LIQ	MSTR	REF code	Material no. (SMN no. <sup>1</sup> )	Packaging
<b>Standard Human Plasma</b>	Citrated normal human pooled plasma intended for the calibration of various coagulation and fibrinolysis assays. This plasma is calibrated against the respective WHO standard, where available.			ORKL17	10873908	10 × for 1 mL

<sup>1</sup> May vary depending on countries. Please check with your local Sysmex representatives.**LIQ:** Liquid formulation, no reconstitution required. **MSTR:** No to Minimal Standing Time Required (0-5 min).

## Controls

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>Control Plasma N</b>	Citrated normal human pooled plasma. This control is used for the assessment of the precision and analytical deviation of various analytes in the normal range. This control provides assigned values for Sysmex analysers.			ORKE41	10873873	10 × for 1 mL
<b>Control Plasma P</b>	Citrated human plasma. This control is used for the assessment of the precision and analytical deviation of various analytes in the pathological range. This control provides assigned values for Sysmex analysers.			OUPZ17	10873890	10 × for 1 mL
<b>Ci-Trol 1 Ci-Trol 2 Ci-Trol 3</b>	Citrated human plasma. This control is used for the assessment of the precision and analytical deviation of various analytes in the pathological range. This control provides assigned values for Sysmex analysers.			291070 291071 291072	10873821 10873822 10873823	10 × for 1 mL 10 × for 1 mL 10 × for 1 mL
<b>Ci-Trol Coagulation Control Level 1, 2 and 3</b>	Citrated human pooled plasma. These controls are intended for use as unassigned controls in the normal, mid, and upper therapeutic ranges.			B4244-10 B4244-20 B4244-30	10873842 10873843 10873844	20 × for 1 mL 20 × for 1 mL 20 × for 1 mL
<b>Ci-Trol Heparin Control Low</b>	Low-level control using the activated partial thromboplastin time (APTT).			B4224-50	10873833	10 × for 1 mL
<b>Ci-Trol Heparin Control High</b>	High-level control using the activated partial thromboplastin time (APTT).			B4224-60	10873834	10 × for 1 mL

## Auxiliary reagents

Product	Description	LIQ	MSTR	REF code	Material no. (SMN no.)	Packaging
<b>Owren's Veronal Buffer</b>	Dilution buffer for coagulation testing.		✓	B4234-25	10873839	10 × 15 mL
<b>CA System Buffer</b>	Dilution buffer for coagulation testing.		✓	B4265-37	10873915	8 × 250 mL
<b>Calcium Chloride Solution</b>	It is used as a supplementary reagent for APTT testing as well as other specialty testing.		✓	ORHO37	10873872	10 × 15 mL
<b>CN Coagwasher</b>	A cleaning agent used to clean the pipettes in the Sysmex fully automated blood coagulation analysers.		✓	AZ700649	AZ700649	2 L
<b>CA Clean I</b>	A detergent used for cleaning the pipettes used for Sysmex fully automated blood coagulation analysers.		✓	96406313	96406313	50 mL
<b>CA Clean II</b>	A detergent used for cleaning the pipettes used for Sysmex fully automated blood coagulation analysers.		✓	BT565104 96406136 97405810	BT565104 96406136 97405810	45 mL 500 mL 5 L
<b>Hepzyme</b>	Heparin neutraliser in plasma to rule out heparin contamination in coagulation testing.			B4240-10	10873841	10 × for 1 mL

## INSTRUMENT COMPATIBILITY

Assay	Product name	Instrument compatibility						
		CN-Series	CS-5100 CS-2500	CS-1600	CA-660	CA-620	CA-104*	CA-101*
PT	Innovin	✓	✓	✓	✓	✓	✓	✓
	Thromborel S	✓	✓	✓	✓	✓	✓	✓
	PT-Multi Calibrator	✓	✓	✓	✓	✓	✓	✓
APTT	Actin Activated Cephaloplastin		✓		✓	✓	✓	✓
	Actin FS Activated PTT	✓	✓	✓	✓	✓	✓	✓
	Actin FSL Activated PTT	✓	✓	✓	✓	✓	✓	✓
	Pathromtin SL	✓	✓	✓	✓	✓	✓	✓
Fibrinogen	Thrombin Reagent	✓	✓	✓	✓	✓		
	Fibrinogen Determination Reagents	✓	✓	✓	✓	✓		
	Data-Fi Abnormal Fibrinogen Control Plasma	✓	✓	✓	✓	✓		
	Multifibren U				✓	✓	✓	✓
	Kaolin Suspension						✓	✓
	Fibrinogen Calibrator kit				✓	✓	✓	✓
Thrombin Time/ Batroxobin Time	Thromboclotin	✓	✓	✓	✓	✓		
	Test Thrombin	✓	✓	✓	✓	✓		
	Batroxobin Reagent	✓	✓		✓	✓		
Factor Assays (Deficient Plasma)	Coagulation Factor II Deficient Plasma	✓	✓					
	Coagulation Factor V Deficient Plasma	✓	✓					
	Coagulation Factor VII Deficient Plasma	✓	✓	✓	✓	✓		
	Coagulation Factor VIII Deficient Plasma	✓	✓	✓	✓	✓		
	Coagulation Factor IX Deficient Plasma	✓	✓	✓				
	Coagulation Factor X Deficient Plasma	✓	✓					
	Coagulation Factor XI Deficient Plasma	✓	✓					
	Coagulation Factor XII Deficient Plasma	✓	✓					
Factor Chromogenic Assays	Factor VIII Chromogenic Assay	✓	✓	✓				
	Berichrom F XIII	✓	✓					
Anticoagulant Monitoring	Revohem Anti-Xa LRT	✓	✓	✓				
	Revohem Anti-Xa Diluent	✓	✓	✓				
	Revohem Heparin Hybrid Calibrator	✓	✓	✓				
	Revohem UFH Control Plasma	✓	✓	✓				
	Revohem LMWH Control Plasma	✓	✓	✓				
	Revohem Apixaban Calibrator and Control Plasma	✓	✓	✓				
	Revohem Rivaroxaban Calibrator and Control Plasma	✓	✓	✓				
	Revohem Edoxaban Calibrator and Control Plasma	✓	✓	✓				
	Revohem Fondaparinux Calibrator and Control	✓	✓	✓				
	Revohem Danaparoid Calibrator and Control	✓	✓	✓				
	INNOVANCE Heparin	✓	✓		✓			
	INNOVANCE Anti-Xa	✓	✓		✓			
	INNOVANCE DTI Assay	✓	✓					
	INNOVANCE Heparin Calibrator	✓	✓		✓			
	INNOVANCE Heparin UF Control 1	✓	✓		✓			
	INNOVANCE Heparin UF Control 2	✓	✓		✓			
	INNOVANCE Heparin LMW Control 1	✓	✓		✓			
	INNOVANCE Heparin LMW Control 2	✓	✓		✓			
	Dabigatran Controls	✓	✓					
	Dabigatran Standards	✓	✓					
	INNOVANCE Rivaroxaban Controls	✓	✓					
	INNOVANCE Rivaroxaban Standards	✓	✓					



Assay	Product name	Instrument compatibility						
		CN-Series	CS-5100 CS-2500	CS-1600	CA-660	CA-620	CA-104*	CA-101*
Anticoagulant Monitoring	INNOVANCE Apixaban Controls	✓	✓					
	INNOVANCE Apixaban Standards	✓	✓					
Antithrombin	INNOVANCE Antithrombin	✓	✓	✓	✓			
	Berichrom Antithrombin III (A)	✓	✓	✓	✓			
Protein C	Protein C Reagent	✓	✓		✓	✓		
	Berichrom Protein C	✓	✓	✓	✓			
Protein S	Protein S Ac	✓	✓					
	INNOVANCE Free PS Ag	✓	✓	✓				
Activated Protein C Resistance / FV Leiden*	ProC Global*	✓	✓					
	ProC Ac R	✓	✓					
	ProC Control Plasma*	✓	✓					
Lupus anticoagulant	LA 1 Screening Reagent	✓	✓	✓	✓	✓		
	LA 2 Confirmation Reagent	✓	✓	✓	✓	✓		
	LA Control High	✓	✓	✓	✓	✓		
	LA Control Low	✓	✓	✓	✓	✓		
von Willebrand Disease	vWF Ag	✓	✓	✓	✓			
	INNOVANCE VWF Ac	✓	✓	✓	✓			
	BC von Willebrand Reagent	✓	✓					
D-Dimer	INNOVANCE D-Dimer	✓	✓	✓	✓			
	INNOVANCE D-Dimer Sample Diluent	✓	✓	✓	✓			
	INNOVANCE D-Dimer Controls	✓	✓	✓	✓			
Coagulation/ Fibrinolytic function	Berichrom α2-Antiplasmin	✓	✓					
	Berichrom Plasminogen	✓	✓					
	Berichrom C1-Inhibitor	✓	✓					
Platelet Aggregation	Revohem ADP	✓	✓					
	Revohem Collagen	✓	✓					
	Revohem Epinephrine	✓	✓					
	Revohem Arachidonic Acid	✓	✓					
	Revohem Ristocetin	✓	✓					
General purpose calibrator and controls	Standard Human Plasma	✓	✓	✓	✓	✓	✓	✓
	Control Plasma N	✓	✓	✓	✓	✓	✓	✓
	Control Plasma P	✓	✓	✓	✓	✓	✓	✓
	Ci-Trol 1	✓	✓	✓	✓	✓	✓	✓
	Ci-Trol 2	✓	✓	✓	✓	✓	✓	✓
	Ci-Trol 3	✓	✓	✓	✓	✓	✓	✓
	Ci-Trol Coagulation Control Level 1	✓	✓	✓	✓	✓	✓	✓
	Ci-Trol Coagulation Control Level 2	✓	✓	✓	✓	✓	✓	✓
	Ci-Trol Coagulation Control Level 3	✓	✓	✓	✓	✓	✓	✓
	Ci-Trol Heparin Control Low				✓	✓		
	Ci-Trol Heparin Control High				✓	✓		
Auxiliary Reagents	Owren's Veronal Buffer	✓	✓	✓	✓	✓	✓	✓
	CA System Buffer	✓	✓	✓	✓	✓	✓	✓
	Calcium Chloride Solution	✓	✓	✓	✓	✓	✓	✓
	CN Coagwasher	✓						
	CA Clean I		✓	✓	✓	✓		
	CA Clean II**	✓**	✓**	✓**	✓**	✓**		
	Hepzyme	✓	✓	✓	✓	✓	✓	✓

\* Not for sale in the EU.

\*\* Not all product variants are applicable.

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