Hemostasis Innovation is Here













Hemostasis Product Line Catalog

2024–2025

werfen



Innovation is here.

We're pleased to present our newest product catalog for Hemostasis testing. You'll find proof of our passion and our commitment to you and your patients on every page.

Werfen offers industry-leading ACL TOP Family 50 Series and 70 Series analyzers, ACL AcuStar, HemosIL assays, HemoHub Intelligent Data Manager, ProDx Remote Support Suite, AccuTrak 2.0 and HemoCell Specialized Lab Automation. If your goals include improving quality, efficiency and patient care while reducing costs, there's a Werfen Hemostasis testing solution for you.

For more information, contact your local Werfen sales representative or distributor, or visit werfen.com.

Abbreviations

aß$_2$GPI	Anti-ß$_2$ Glycoprotein-I
aCL	Anti-Cardiolipin
ADAMTS13	A Disintegrin and Metalloproteinase with a Thrombospondin Type 1 Motif, Member 13
APC	Activated Protein C
APC-R V	Activated Protein C Resistance caused by Factor V Leiden Mutation
aPL	Antiphospholipid
APS	Antiphospholipid Syndrome
APTT	Activated Partial Thromboplastin Time
AT	Antithrombin
C4BP	C4b-Binding Protein
CLSI	Clinical and Laboratory Standards Institute
DDU	D-Dimer Units
dRVVT	Dilute Russell's Viper Venom Timet
DVT	Deep Venous Thrombosis
EDTA	Ethylenediaminetetraacetic Acid
FII, FV, FVII, FVIII, FIX, FXI, FXII, FXIII	Factors II, V, VII, VIII, IX, X, XI, XII, XIII
FDP	Fibrin/Fibrinogen Degradation Products
FEU	Fibrinogen Equivalent Units
FIB	Fibrinogen
FM	Fibrin Monomer
HIT	Heparin-Induced Thrombocytopenia
IgA	Immunoglobulin A
IgG	Immunoglobulin G
IgM	Immunoglobulin M
INR	International Normalized Ratio
ISI	International Sensitivity Index
ISTH	International Society on Thrombosis and Haemostasis
LAC	Lupus Anticoagulant
liq	Liquid
LIS	Laboratory Information System
LMWH	Low Molecular Weight Heparin
lyo	Lyophilized
mAb	Monoclonal Antibodies
NIBSC	National Institute for Biological Standards and Controls
PC	Protein C
PCR	Polymerase Chain Reaction
PE	Pulmonary Embolism
PF4	Platelet Factor 4
PF4-H	Platelet Factor 4-Heparin
PI	Plasmin Inhibitor
PIVKA	Protein Induced by Vitamin K Antagonists
PLG	Plasminogen
PS	Protein S
PT	Prothrombin Time
PTP	Pretest Probability
Q.F.A.	Quantitative Fibrinogen Assay
RCo	Ristocetin Cofactor
SCT	Silica Clotting Time
SFMC	Soluble Fibrin Monomer Complex
TT	Thrombin Time
TTP	Thrombotic Thrombocytopenic Purpura
UFH	Unfractionated Heparin
VKA	Vitamin K Antagonist
VTE	Venous Thromboembolism
VWD	von Willebrand Disease
VWF:Act	von Willebrand Factor Activity
VWF:Ag	von Willebrand Factor Antigen
VWF:CB	von Willebrand Factor Collagen Binding Activity
VWF:RCo	von Willebrand Factor Ristocetin Cofactor Activity
WHO	World Health Organization

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General Screening and Anticoagulant Testing

HemosIL®

Prothrombin Time (PT)

Product	Description	Kit Configuration
ReadiPlasTin *(p/n 0020301400 - 20 mL)*	For the quantitative determination in human citrated plasma of PT and Fibrinogen on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL ReadiPlasTin Reagent (liq) 5 x 19 mL ReadiPlasTin Diluent (liq)
RecombiPlasTin 2G *(p/n 0020002950 - 8 mL)* *(p/n 0020003050 - 20 mL)*	For the quantitative determination in human citrated plasma of PT and Fibrinogen on Werfen Hemostasis Testing Systems.	5 x 8 mL RecombiPlasTin 2G (lyo) 5 x 8 mL RecombiPlasTin 2G Diluent (liq) 5 x 20 mL RecombiPlasTin 2G (lyo) 5 x 20 mL RecombiPlasTin 2G Diluent (liq)
PT-Fibrinogen HS PLUS *(p/n 0008469810)*	For simultaneous determination of PT and Fibrinogen, in human citrated plasma on Werfen Hemostasis Testing Systems.	5 x 8.5 mL Rabbit Thromboplastin (lyo) 5 x 8.5 mL Buffer (liq)
PT-Fibrinogen *(p/n 0009756710)*	For simultaneous determination of PT and Fibrinogen, in human plasma on Werfen Hemostasis Testing Systems.	10 x 8 mL Rabbit Thromboplastin (lyo)

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PT

Product	Description	Kit Configuration
INR Validate *(p/n 0020010500)*	A tri-level quality control for monitoring the accuracy of INR reporting with designated HemosIL PT reagents on Werfen Hemostasis Testing Systems, in conjunction with ISIweb software.	Level 1: 1 x 1 mL (lyo) of human VKA plasma with an INR range of 1.6–2.4 Level 2: 1 x 1 mL (lyo) of human VKA plasma with an INR range of 2.5–3.5 Level 3: 1 x 1 mL (lyo) of human VKA plasma with an INR range of 3.8–5.0
ISI Calibrate *(p/n 0020010600)*	A set of four certified plasmas to establish instrument-/reagent-specific local ISI and Mean Normal PT with designated HemosIL PT reagents on Werfen Hemostasis Testing Systems in conjunction with ISIweb software.	Level A: 1 x 1 mL (lyo) of human plasma with an INR range of 0.9–1.1 Level B: 1 x 1 mL (lyo) of human VKA plasma with an INR range of 1.6–2.4 Level C: 1 x 1 mL (lyo) of human VKA plasma with an INR range of 2.5–3.5 Level D: 1 x 1 mL (lyo) of human VKA plasma with an INR range of 3.8–5.0
ISIweb Software	A web-based ISIweb software tool for calculating PT seconds and INR results using HemosIL INR Validate, HemosIL ISI Calibrate and designated HemosIL PT reagents on Werfen Hemostasis Testing Systems.	

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APTT

Product	Description	Kit Configuration
SynthASil *(p/n 0020006800)*	For the determination of APTT in human citrated plasma on Werfen Hemostasis Testing Systems.	5 x 10 mL APTT Reagent (liq) 5 x 10 mL Calcium Chloride (liq)
SynthAFax *(p/n 0020007400)*	For the determination of APTT in human citrated plasma on Werfen Hemostasis Testing Systems.	5 x 10 mL APTT Reagent (liq) 5 x 10 mL Calcium Chloride (liq)
APTT-SP (liquid) *(p/n 0020006300)*	For the determination of APTT in citrated plasma on Werfen Hemostasis Testing Systems.	5 x 9 mL APTT Reagent (liq) 5 x 8 mL Calcium Chloride (liq)

Fibrinogen Clauss

Product	Description	Kit Configuration
Fibrinogen-C *(p/n 0020301100)* *(p/n 0020003900 - XL)*	For the quantitative determination of Fibrinogen in human citrated plasma, based on the Clauss method, on Werfen Hemostasis Testing Systems.	10 x 2 mL Bovine Thrombin (lyo) 10 x 5 mL Bovine Thrombin (lyo)
Q.F.A. Thrombin (bovine) *(p/n 0020301800 - 2 mL)* *(p/n 0020301700 - 5 mL)*	For the quantitative determination of Fibrinogen in human citrated plasma, based on the Clauss method, on Werfen Hemostasis Testing Systems.	10 x 2 mL Bovine Thrombin (lyo) 10 x 5 mL Bovine Thrombin (lyo)

TT

Product	Description	Kit Configuration
Thrombin Time *(p/n 0009758515)*	For the quantitative determination of Thrombin Time in human citrated plasma on Werfen Hemostasis Testing Systems.	4 x 2, 5 or 8 mL Bovine Thrombin (lyo) 1 x 9 mL Buffer (liq)

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Heparin

Product	Description	Kit Configuration
Liquid Anti-Xa *(p/n 0020302600)* *(p/n 0020302601)* *(p/n 0020302602)* NEW *(p/n 0020303600 - large format)*	For the quantitative determination of UFH and LMWH activity in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 2.5 mL Factor Xa Reagent (liq) 5 x 3 mL Chromogenic Substrate (liq) 5 x 5 mL Factor Xa Reagent (liq) 5 x 6 mL Chromogenic Substrate (liq)
Heparin *(p/n 0020009400)*	For the quantitative determination of UFH and LMWH activity in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	1 x 5 mL Factor Xa Reagent (lyo) 1 x 4 mL Chromogenic Substrate (S-2765) (lyo) 1 x 3 mL Antithrombin (lyo) 1 x 8 mL Buffer
UF Heparin Controls *(p/n 0020300300)*	For quality control of HemosIL Liquid Heparin assay when testing for UFH on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL Low UF Heparin (lyo) 5 x 1 mL High UF Heparin Control (lyo)
LMW Heparin Controls *(p/n 0020300200)*	For quality control of HemosIL Liquid Heparin assay when testing for LMWH on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL Low LMW Heparin (lyo) 5 x 1 mL High LMW Heparin Control (lyo)
Heparin Calibrators *(p/n 0020300600)*	For calibration of the HemosIL Liquid Heparin assay on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	3 x 1 mL Calibrator 1–3 (lyo)

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DOACs

Product	Description	Kit Configuration
Liquid Anti-Xa *(p/n 0020302601)** *(p/n 0020302602)*** NEW *(p/n 0020303600 – large format)***	For the quantitative determination of UFH and LMWH activity in human citrated plasma when used in conjunction with HemosIL Heparin Calibrators. Also intended for the measurement of direct FXa inhibitor concentrations (e.g., rivaroxaban, apixaban) in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems when used with HemosIL Rivaroxaban Calibrators and/or HemosIL Apixaban Calibrators.	5 x 2.5 mL Factor Xa Reagent (liq) 5 x 3 mL Chromogenic Substrate (liq) 5 x 5 mL Factor Xa Reagent (liq) 5 x 6 mL Chromogenic Substrate (liq)
Apixaban Calibrators *(p/n 0020014200)** *(p/n 0020015200)***	For calibration of the HemosIL Liquid Anti-Xa assay when testing for apixaban on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL Apixaban Calibrator 1 (lyo) 5 x 1 mL Apixaban Calibrator 2 (lyo)
Apixaban Controls *(p/n 0020014300)** *(p/n 0020015300)***	For quality control of the HemosIL Liquid Anti-Xa assay when testing for apixaban on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL Apixaban Low Control (lyo) 5 x 1 mL Apixaban High Control (lyo)
Rivaroxaban Calibrators NEW *(p/n 0020013600)** *(p/n 0020015400)***	For calibration of the HemosIL Liquid Anti-Xa assay when testing for rivaroxaban on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL Rivaroxaban Calibrator 1 (lyo) 5 x 1 mL Rivaroxaban Calibrator 2 (lyo)
Rivaroxaban Controls NEW *(p/n 0020013700)** *(p/n 0020015500)***	For quality control of the HemosIL Liquid Anti-Xa assay when testing for rivaroxaban on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL Rivaroxaban Low Control (lyo) 5 x 1 mL Rivaroxaban High Control (lyo)

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DOACs

Product	Description	Kit Configuration
Direct Thrombin Inhibitor Assay *(p/n 0020302800)**	For the quantitative determination of the direct thrombin inhibitor dabigatran in citrated human plasma on the ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	3 x 2 mL DTI Thrombin Reagent (lyo) 3 x 2.2 mL DTI Thrombin Diluent (liq) 3 x 2 mL DTI Plasma Diluent (lyo)
Dabigatran Calibrators *(p/n 0020013400)**	For calibration of the HemosIL Direct Thrombin Inhibitor Assay on the ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 2 mL Dabigatran Calibrator 1 (lyo) 5 x 1 mL Dabigatran Calibrator 2 (lyo)
Dabigatran Controls *(p/n 0020013500)**	For quality control of the HemosIL Direct Thrombin Inhibitor Assay on the ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL Dabigatran Low Control (lyo) 5 x 1 mL Dabigatran High Control

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Fibrin Formation and Degradation

D-Dimer

HemosIL®

Product	Description	Kit Configuration
D-Dimer HS 500 *(p/n 0020500100)* *(p/n 0020500300 – large format)**	For the quantitative determination of D-Dimer in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems. For use in conjunction with a clinical PTP assessment model to exclude VTE in outpatients suspected of DVT and PE.	3 x 4 mL Latex Reagent (liq) 3 x 6 mL Reaction Buffer (liq) 2 x 1 mL D-Dimer Calibrator (lyo) 4 x 13.5 mL Latex Reagent (liq) 4 x 16 mL Reaction Buffer (liq) 1 x 1 mL D-Dimer Calibrator (lyo)
D-Dimer HS 500 Controls *(p/n 0022550030)** *(p/n 0020013100)***	For the quality control of D-Dimer HS 500 assay performed on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems	5 x 1 mL Level 1 D-Dimer HS 500 Control (liq) 5 x 1 mL Level 2 D-Dimer HS 500 Control (liq)
D-Dimer HS 500 Controls *(p/n 0020500200)*	For the quality control of D-Dimer HS 500 assay performed on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	5 x 1 mL High Control (lyo) 5 x 1 mL Low Control (lyo)

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D-Dimer

Product	Description	Kit Configuration
D-Dimer HS *(p/n 0020007700)*	For the quantitative determination of D-Dimer in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems. For use in conjunction with a clinical PTP assessment model to exclude VTE in outpatients suspected of DVT and PE.	3 x 2 mL Latex Reagent (lyo) 3 x 8 mL Reaction Buffer (liq) 2 x 1 mL D-Dimer Calibrator (lyo)
D-Dimer *(p/n 0020008500)*	For the quantitative determination of D-Dimer in human citrated plasma on Werfen Hemostasis Testing Systems. For use in conjunction with a clinical PTP assessment model to exclude VTE in outpatients suspected of DVT and PE.	4 x 3 mL Latex Reagent (lyo) 4 x 9 mL Reaction Buffer (liq) 2 x 1 mL D-Dimer Calibrator (lyo)
D-Dimer 500 *(p/n 0020301000)***	For the quantitative determination of D-Dimer in human citrated plasma on Werfen Hemostasis Testing Systems. For use in conjunction with a clinical PTP assessment model to exclude VTE in outpatients suspected of DVT and PE.	4 x 3 mL Latex Reagent (lyo) 4 x 9 mL Reaction Buffer (liq) 2 x 1 mL D-Dimer Calibrator (lyo)
D-Dimer Controls *(p/n 0020013000)***	For the quality control of D-Dimer, D-Dimer 500 and D-Dimer HS assays on Werfen Hemostasis Testing Systems.	5 x 1 mL Level 1 D-Dimer Control (liq) 5 x 1 mL Level 2 D-Dimer Control (liq)
D-Dimer Controls *(p/n 0022660030)**	For the quality control of D-Dimer and D-Dimer HS assays on Werfen Hemostasis Testing Systems.	5 x 1 mL Level 1 D-Dimer Control (liq) 5 x 1 mL Level 2 D-Dimer Control (liq)
D-Dimer Controls *(p/n 0020008610)*	For the quality control of D-Dimer, D-Dimer 500 and D-Dimer HS assays on Werfen Hemostasis Testing Systems.	5 x 1 mL High Control (lyo) 5 x 1 mL Low Control (lyo)

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D-Dimer

Product	Description	Kit Configuration
AcuStar D-Dimer *(p/n 0009802000)*	Fully automated chemiluminescent immunoassay for the quantitative determination of D-Dimer in human citrated plasma on the ACL AcuStar system as an aid in the diagnosis of VTE (DVT and PE).	1 D-Dimer Cartridge for 100 Tests (liq) 1 x 1 mL D-Dimer Calibrator 1 (lyo) 1 x 1 mL D-Dimer Calibrator 2 (lyo) 1 D-Dimer Calibrator 1 Barcoded Tube 1 D-Dimer Calibrator 2 Barcoded Tube
AcuStar D-Dimer Controls *(p/n 0009802100)*	For the quality control of D-Dimer assays performed on the ACL AcuStar system.	3 x 1 mL Low D-Dimer Control (lyo) 3 x 1 mL High D-Dimer Control (lyo) 3 x 1 mL Very High D-Dimer Control (lyo) 3 D-Dimer Low Control Barcoded Tubes 3 D-Dimer High Control Barcoded Tubes 3 D-Dimer Very High Control Barcoded Tubes
D-Dimer HS 2000 *(p/n 0020014400)†*	For the quantitative determination of D-Dimer in human citrated plasma on ACL TOP Family Hemostasis Testing Systems	3 x 4 mL Latex Reagent (liq) 3 x 6 mL Reaction Buffer (liq) 2 x 1 mL D-Dimer Calibrator (lyo)
D-Dimer HS 2000 Controls *(p/n 0020014500)†*	For the quality control of D-Dimer HS 2000 assay on ACL TOP Family Hemostasis Testing Systems	5 x 1 mL High Control (lyo) 5 x 1 mL Low Control (lyo)

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Chemiluminescent technology. For use on ACL AcuStar Hemostasis Testing System.

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Fibrin Formation

Product	Description	Kit Configuration
FM *(p/n 0022511820)**	For the quantitative detection of soluble fibrin monomer complex (SFMC) in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	2 x 6.5 mL Latex Reagent (liq) 2 x 2.2 mL Reaction Buffer (liq)
FM Calibrators *(p/n 0022511830)**	For the calibration of the HemosIL FM assay on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	1 vial x 1 mL FM Calibrator 1 (lyo) 1 vial x 1 mL FM Calibrator 2 (lyo) 1 vial x 1 mL FM Calibrator 3 (lyo) 1 vial x 1 mL FM Calibrator 4 (lyo) 1 vial x 1 mL FM Calibrator 5 (lyo)
FM Controls *(p/n 0022511840)**	For the quality control of the HemosIL FM assay performed on the ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	3 x 1 mL Low FM Control (lyo) 3 x 1 mL High FM Control (lyo)
Factor XIII Antigen *(p/n 0020201300)*	For the quantitative determination of FXIII Antigen in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	2 x 2.5 mL Latex Reagent (liq) 2 x 5 mL Buffer (liq) 2 x 6 mL Diluent (liq)

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Fibrin Degradation

Product	Description	Kit Configuration
FDP *(p/n 0020009900)**	For the quantitative determination of FDP in human citrated plasma on ACL TOP Family/50 Series Hemostasis Testing Systems.	3 x 4 mL FDP Latex Reagent (liq) 3 x 4 mL FDP Reaction Buffer (liq)
FDP Calibrator *(p/n 0020009910)**	For the calibration of FDP on ACL TOP Family/50 Series Hemostasis Testing Systems.	1 x 1 mL FDP Calibrator 1 (lyo) 1 x 1 mL FDP Calibrator 2 (lyo) 1 x 1 mL FDP Calibrator 3 (lyo) 1 x 1 mL FDP Calibrator 4 (lyo) 1 x 1 mL FDP Calibrator 5 (lyo) 1 x 1 mL FDP Calibrator 0 Barcode Label
FDP Controls *(p/n 0020009920)**	For the quality control of FDP on ACL TOP Family/50 Series Hemostasis Testing Systems.	3 x 1 mL Low FDP Control (lyo) 3 x 1 mL High FDP Control (lyo)
Plasminogen *(p/n 0020009000)*	For the quantitative determination of Plasminogen in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	2 x 2.5 mL Streptokinase Reagent (lyo) 2 x 2 mL Chromogenic Substrate S-2403 (lyo)
Plasmin Inhibitor *(p/n 0020009200)*	For the quantitative determination of Plasmin Inhibitor in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	2 x 2.5 mL Plasmin Reagent (lyo) 1 x 4 mL Chromogenic Substrate S-2403 (lyo) 2 x 9 mL Buffer (liq)

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Bleeding Disorders
Coagulation Factors

HemosIL®

Product	Description	Kit Configuration
Factor Deficient Plasma **FII** *(p/n 0020012200)* **FV** *(p/n 0020011500)* **FVII** *(p/n 0020011700)* **FX** *(p/n 0020010000)*	For use in combination with PT reagents to determine specific Factor activity in citrated plasma on Werfen Hemostasis Testing Systems.	10 x 1 mL Factor Deficient Plasma (lyo)
Factor Deficient Plasma **FVIII** *(p/n 0020011800)* **FIX** *(p/n 0020011900)* **FXI** *(p/n 0020011300)* **FXII** *(p/n 0020011200)*	For use in combination with APTT reagents to determine specific Factor activity in citrated plasma on Werfen Hemostasis Testing Systems.	10 x 1 mL Factor Deficient Plasma (lyo)
FVIII Deficient Plasma *(p/n 0020012800)*	For use in combination with APTT reagents to determine specific Factor activity in citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	10 x 1 mL Factor Deficient Plasma (lyo)
ELECTRACHROME Factor VIII *(p/n 49730503)*	For the quantitative determination of FVIII on ACL Elite/Elite Pro.	1 x 6 or 7 mL Chromogenic Substrate (lyo) 2 x 3 or 3.5 mL Factor Reagent (lyo) 2 x 24 mL Buffer (liq)
Chromogenic Factor IX *(p/n 0020001900)*	For the photometric, quantitative determination of factor IX activity in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	2 x 1.4 mL Reagent A (lyo) 2 x 8 mL Reagent B (lyo) 1 x 6 mL Chromogenic Substrate (liq) 1 x 20 mL Buffer (liq) 2 x 30 mL Diluted Buffer Barcode Labeled Vials

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von Willebrand Disease

Product	Description	Kit Configuration
von Willebrand Factor Antigen *(p/n 0020002300)*	For the quantitative determination of VWF antigen in human citrated plasma on ACL TOP Family/ 50 Series/ 70 Series Hemostasis Testing Systems.	2 x 3 mL Latex Reagent (liq) 2 x 4 mL Reaction Buffer (liq)
von Willebrand Factor Activity *(p/n 0020004700)*	For the quantitative determination of VWF activity in human citrated plasma on ACL TOP Family/ 50 Series/ 70 Series Hemostasis Testing Systems.	2 x 4.5 mL Latex Reagent (lyo) 2 x 4.5 mL Buffer (liq)
von Willebrand Factor Ristocetin Cofactor Activity *(p/n 0020300900)**	For the quantitative determination of VWF:RCo activity in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	2 x 2 mL Latex Reagent (liq) 2 x 1.6 mL Ristocetin (liq) 2 x 4 mL Reaction Buffer (liq) 2 x 3.6 mL Diluent (liq)

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von Willebrand Disease

Product	Description	Kit Configuration
AcuStar von Willebrand Factor Antigen ✳ *(p/n 0009802020)**	For the quantitative determination of VWF antigen in human citrated plasma on the ACL AcuStar system.	1 VWF:Ag Cartridge for 25 tests (liq) 1 x 1 mL VWF:Ag Calibrator 1 (liq) 1 x 1 mL VWF:Ag Calibrator 2 (lyo) 1 VWF:Ag Calibrator 2 Barcoded Tube
AcuStar von Willebrand Factor Ristocetin Cofactor Activity ✳ *(p/n 0009802024)**	For the quantitative determination of VWF:RCo activity in human citrated plasma on the ACL AcuStar system.	1 VWF:RCo Cartridge for 25 tests (liq) 1 x 1 mL VWF:RCo Calibrator 1 (liq) 1 x 1 mL VWF:RCo Calibrator 2 (lyo) 1 VWF:RCo Calibrator 2 Barcoded Tube
AcuStar von Willebrand Factor Collagen Binding Activity ✳ *(p/n 0009802044)**	For the quantitative determination of VWF:CB activity in human citrated plasma on the ACL AcuStar system.	1 VWF:CB Cartridge for 25 tests (liq) 1 x 1 mL VWF:CB Calibrator 1 (liq) 1 x 1 mL VWF:CB Calibrator 2 (lyo) 1 VWF:CB Calibrator 2 Barcoded Tube
AcuStar von Willebrand Factor Controls ✳ *(p/n 0009802119)**	For the quality control of HemosIL AcuStar VWF panel and HemosIL AcuStar ADAMTS13 Activity assay performed on the ACL AcuStar system.	3 x 1 mL Low VWF Control (lyo) 3 x 1 mL Normal VWF Control (lyo) 3 Low VWF Control Barcoded Tubes 3 Normal VWF Control Barcoded Tubes

✳ *Chemiluminescent technology. For use on ACL AcuStar Hemostasis Testing System.*
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Heparin-Induced Thrombocytopenia (HIT)

HemosIL®

Product	Description	Kit Configuration
HIT-Ab$_{(PF4-H)}$ *(p/n 0020302700)**	For the semi-quantitative detection of total immunoglobulin in human citrated plasma against PF4/H complexes on ACL TOP Family/50 Series Hemostasis Testing Systems. Anti-PF4/H antibodies are commonly found in patients with HIT.	2 x 1.8 mL Latex Reagent (liq) 2 x 3.2 mL Stabilizer (liq) 2 x 0.8 mL Complex (liq) 2 x 1 mL Calibrator (lyo)
HIT-Ab$_{(PF4-H)}$ Controls *(p/n 0020013300)**	For the quality control of HIT-Ab$_{(PF4-H)}$ assay *(p/n 0020302700)*.	3 x 1 mL High Control (liq) 3 x 1 mL Low Control (liq)
HIT-Ab$_{(PF4-H)}$ *(p/n 0020014600)*	For the qualitative detection of anti-PF4/H antibodies in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems. Anti-PF4/H antibodies are commonly found in patients with HIT.	2 x 1.8 mL Latex Reagent (liq) 2 x 3.2 mL Stabilizer (liq) 2 x 0.8 mL Complex (liq) 2 x 1 mL Calibrator (lyo)
HIT-Ab$_{(PF4-H)}$ Controls *(p/n 0020014700)*	For the quality control of HIT-Ab$_{(PF4-H)}$ assay *(p/n 0020014600)*.	3 x 1 mL High Control (liq) 3 x 1 mL Low Control (liq)

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Product	Description	Kit Configuration
AcuStar HIT-IgG$_{(PF4-H)}$ ✳ *(p/n 0009802028)**	For the detection of IgG antibodies in human citrated plasma and serum that react with PF4/H complexes on the ACL AcuStar system. Anti-PF4/H antibodies are commonly found in patients with HIT.	1 HIT-IgG$_{(PF4-H)}$ Cartridge for 25 Tests (liq) 1 x 1 mL HIT-IgG$_{(PF4-H)}$ Calibrator 1 (liq) 1 x 1 mL HIT-IgG$_{(PF4-H)}$ Calibrator 2 (liq)
AcuStar HIT Controls ✳ *(p/n 0009802122)***	For use with AcuStar HIT-IgG$_{(PF4-H)}$ *(p/n 0009802028)* performed on the ACL AcuStar system.	3 x 1 mL Low HIT Control (liq) 3 x 1 mL High HIT Control (liq)
AcuStar Multi-Ab Controls ✳ *(p/n 00009800003)***	For the quality control of the HemosIL AcuStar Anti-Cardiolipin IgG/IgM, Anti-β_2 Glycoprotein-I IgG/IgM and HIT-IgG$_{(PF4-H)}$ *(p/n 0009802028)* as performed on the ACL AcuStar system.	3 x 2 mL Low Multi-Ab Control (liq) 3 x 2 mL High Multi-Ab Control (liq)
AcuStar HIT-IgG$_{(PF4-H)}$ ✳ *(p/n 0009800127)*	For the qualitative detection of IgG antibodies in human serum or plasma that react with Platelet Factor 4 (PF4) when complexed to heparin on the ACL AcuStar system. PF4/H antibodies are commonly found in patients with HIT.	1 HIT-IgG$_{(PF4-H)}$ Cartridge for 25 Tests (liq) 1 x 1 mL HIT-IgG$_{(PF4-H)}$ Calibrator 1 (liq) 1 x 1 mL HIT-IgG$_{(PF4-H)}$ Calibrator 2 (liq)
AcuStar HIT Controls ✳ *(p/n 0009800131)*	For use with AcuStar HIT-IgG$_{PF4-H}$ (p/n 00098001127) performed on the ACL AcuStar system.	3 x 1 mL Low HIT Control (liq) 3 x 1 mL High HIT Control (liq)

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***Not for sale in the US and Canada.*

✳ *Chemiluminescent technology. For use on ACL AcuStar Hemostasis Testing System.*

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Thrombophilia

HemosIL®

Product	Description	Kit Configuration
Liquid Antithrombin *(p/n 0020002500)* *(p/n 0020030100)* *(p/n 0020300400)* *(p/n 0020300440)*	For the quantitative determination of AT in human citrated plasma on Werfen Hemostasis Testing Systems.	*ACL Elite/Elite Pro* 4 x 4 mL FXa Reagent (liq) 2 x 2 mL Chromogenic Substrate S-2765 (liq) *ACL TOP Family, ACL TOP Family 50 Series* 4 x 4.5 mL FXa Reagent (liq) 4 x 4.5 mL Chromogenic Substrate S-2765 (liq) *ACL TOP Family, ACL TOP Family 50 Series* 2 x 2 mL FXa Reagent (liq) 2 x 2 mL Chromogenic Substrate S-2765 (liq) *ACL TOP Family, ACL TOP Family 50 Series* 4 x 2mL FXa Reagent (liq) 4 x 2mL Chromogenic Substrate s-2765 (liq)
Protein C *(p/n 0020300500)*	For the quantitative determination of PC in human citrated plasma on Werfen Hemostasis Testing Systems.	2 x 2.5 mL Protein C Activator (lyo) 2 x 2.5 mL Chromogenic Substrate S-2366 (lyo) 1 x 8 mL Diluent (liq)
ProClot *(p/n 0008468310)*	For the quantitative determination of PC in human citrated plasma on the ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	4 x 1.5 mL Protein C Activator (lyo) 4 x 1 mL Protein C Deficient Plasma (lyo) 2 x 1 mL Protein C Control Plasma (lyo)
ProClot Diluent *(p/n 0008468600)*	For the calibration and analysis of ProClot.	1 x 100 mL

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Thrombophilia

Product	Description	Kit Configuration
Free Protein S *(p/n 0020002700)*	For the quantitative determination of free PS in human citrated plasma on Werfen Hemostasis Testing Systems.	3 x 4 mL C4BP Buffer (liq) 3 x 4 mL C4BP Latex (lyo) 3 x 2 mL Anti PS mAb Latex (lyo)
Protein S Activity *(p/n 0020302000)*	For the quantitative determination of PS in human citrated plasma on Werfen Hemostasis Testing Systems.	3 x 2 mL Protein S Reagent (lyo) 3 x 6 mL Calcium Reagent (liq) 3 x 2 mL Protein S Deficient Plasma (lyo)
Factor V Leiden *(p/n 0020008700)*	For determination of resistance to activated PC, caused by the FV Leiden mutation, in plasma on Werfen Hemostasis Testing Systems.	2 x 4 mL APTT Reagent (liq) 2 x 4 mL Factor V Reagent Plasma (lyo) 2 x 2 mL APC/$CaCl_2$ (lyo) 2 x 2 mL $CaCl_2$ (liq) 2 x 1 mL APC Control Plasma Level 1 (lyo) 2 x 1 mL APC Control Plasma Level 2 (lyo)
Homocysteine *(p/n 0020007800)*	For the quantitative determination of total L-homocysteine in human citrated plasma on ACL TOP Family/50 Series/70 Series Hemostasis Testing Systems.	2 x 2 mL a-SAH Latex Reagent (lyo) 2 x 2 mL Reductant (liq) 2 x 2 mL Enzyme (liq) 2 x 2.5 mL Conjugate (liq) 2 x 9 mL Buffer (liq) 2 x 1 mL Calibrator (liq)
Homocysteine Controls *(p/n 0020007900)*	For the quality control of total L-homocysteine assays.	3 x 1 mL Homocysteine Control Level 1 (lyo) 3 x 1 mL Homocysteine Control Level 2 (lyo)

Antiphospholipid Syndrome (APS)

HemosIL®

Product	Description	Kit Configuration
Silica Clotting Time *(p/n 0020004800)*	For the detection of LAC in human citrated plasma on ACL TOP Family/ 50 Series Hemostasis Testing Systems.	3 x 5 mL SCT Screen (liq) 3 x 5 mL SCT Confirm (liq) 3 x 10 mL SCT $CaCl_2$ (liq)
dRVVT Screen *(p/n 0020301500)* **dRVVT Confirm** *(p/n 0020301600)*	For the detection of LAC in human citrated plasma on Werfen Hemostasis Testing Systems.	10 x 2 mL dRVVT Screen (lyo) 10 x 2 mL dRVVT Confirm (lyo)
LA Positive Control *(p/n 0020012500)*	For use as an LAC Positive Quality Control of LAC assays on Werfen Hemostasis Testing Systems.	10 x 1 mL LA Positive Control (lyo)
LA Negative Control *(p/n 0020012600)*	For use as an LAC Negative Quality Control of LAC assays on Werfen Hemostasis Testing Systems.	10 x 1 mL LA Negative Control (lyo)
AcuStar Anti-Cardiolipin (aCL) **IgG** *(p/n 0009802004)* **IgM** *(p/n 0009802008)*	For the semi-quantitative measurement of aCL IgG or IgM antibodies in human citrated plasma or serum, on the ACL AcuStar system, as an aid in the diagnosis of thrombotic disorders related to primary and secondary APS when used in conjunction with other laboratory and clinical findings.	1 aCL IgG Cartridge for 50 Tests (liq) 1 x 1 mL aCL IgG Calibrator 1 (liq) 1 x 1 mL aCL IgG Calibrator 2 (liq) 1 aCL IgM Cartridge for 50 Tests (liq) 1 x 1 mL aCL IgM Calibrator 1 (liq) 1 x 1 mL aCL IgM Calibrator 2 (liq)

Chemiluminescent technology. For use on ACL AcuStar Hemostasis Testing System.

APS

Product	Description	Kit Configuration
AcuStar Anti-Cardiolipin Controls **IgG** *(p/n 0009802104)* **IgM** *(p/n 0009802108)*	For the quality control of AcuStar aCL IgG or IgM assays performed on the ACL AcuStar system.	3 x 1 mL Low aCL IgG Control (liq) 3 x 1 mL High aCL IgG Control (liq) 3 x 1 mL Low aCL IgM Control (liq) 3 x 1 mL High aCL IgM Control (liq)
AcuStar Anti-β_2 Glycoprotein-I **IgG** *(p/n 0009802012)* **IgM** *(p/n 0009802016)*	For the semi-quantitative measurement of aβ_2GPI IgG or IgM antibodies in human citrated plasma or serum on the ACL AcuStar system, as an aid in the diagnosis of thrombotic disorders related to APS when used in conjunction with other laboratory and clinical findings.	1 aβ_2GPI IgG Cartridge for 50 Tests (liq) 1 x 1 mL aβ_2GPI IgG Calibrator 1 (liq) 1 x 1 mL aβ_2GPI IgG Calibrator 2 (liq) 1 aβ_2GPI IgM Cartridge for 50 Tests (liq) 1 x 1 mL aβ_2GPI IgM Calibrator 1 (liq) 1 x 1 mL aβ_2GPI IgM Calibrator 2 (liq)
AcuStar Anti-β_2 Glycoprotein-I Controls **IgG** *(p/n 0009802112)* **IgM** *(p/n 0009802116)*	For the quality control of AcuStar aβ_2GPI IgG or IgM assays performed on the ACL AcuStar system.	3 x 1 mL Low aβ_2GPI IgG Control (liq) 3 x 1 mL High aβ_2GPI IgG Control (liq) 3 x 1 mL Low aβ_2GPI IgM Control (liq) 3 x 1 mL High aβ_2GPI IgM Control (liq)
AcuStar Anti-β_2GPI Domain 1 *(p/n 00009800015)*	For the semi-quantitative determination of IgG auto-antibodies to β_2GPI Domain 1 in human serum or citrated plasma on the ACL AcuStar system used in conjunction with clinical and other laboratory findings as an aid in the diagnosis of APS.	1 Anti-β_2GPI Domain 1 Cartridge for 50 tests (lyo) 1 Resuspension Buffer (liq) 1 x 1 mL Anti-β_2GPI Domain 1 Calibrator 1 (liq) 1 x 1 mL Anti-β_2GPI Domain 1 Calibrator 2 (lit)
AcuStar Anti-β_2GPI Domain 1 Controls *(p/n 00009800022)*	For the quality control of AcuStar Anti-β_2GPI Domain 1 assay performed on the ACL AcuStar system.	3 x 1 mL Anti-β_2GPI Domain 1 Low Control (liq) 3 x 1 mL Anti-β_2GPI Domain 1 High Control (liq)
AcuStar Multi-Ab Controls *(p/n 00009800003)**	For the quality control of the HemosIL AcuStar Anti-Cardiolipin IgG/IgM, Anti-ß2 Glycoprotein-I IgG/IgM and HIT-IgG(PF4-H) (p/n 0009802028) as performed on the ACL AcuStar system.	3 x 2 mL Low Multi-Ab Control (liq) 3 x 2 mL High Multi-Ab Control (liq)

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Chemiluminescent technology. For use on ACL AcuStar Hemostasis Testing System.

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Thrombotic Thrombocytopenic Purpura (TTP)

HemosIL®

Product	Description	Kit Configuration
AcuStar ADAMTS13 Activity *(p/n 0009802048)**	For the quantitative measurement of ADAMTS13 activity in citrated plasma on the ACL AcuStar system to aid in the diagnosis and monitoring of TTP.	1 ADAMTS13 Activity Cartridge for 25 Tests (lyo) 1 x 1.8 mL Resuspension Buffer 1 x 1 mL ADAMTS13 Calibrator 0 (liq) 1 x 1 mL ADAMTS13 Calibrator 1 (lyo) 1 x 1 mL ADAMTS13 Calibrator 2 (lyo)
AcuStar von Willebrand Factor Controls *(p/n 0009802119)***	For the quality control of AcuStar VWF panel and ADAMTS13 Activity assay performed on the ACL AcuStar system.	3 x 1 mL Low VWF Control (lyo) 3 x 1 mL Normal VWF Control (lyo) 3 Low VWF Control Barcoded Tubes 3 Normal VWF Control Barcoded Tubes

Chemiluminescent technology. For use on ACL AcuStar Hemostasis Testing System.
**Not 510(k)-cleared and not Health Canada licensed.*
***Not for sale in the US and Canada.*

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Plasma Calibrators and Controls

HemosIL®

Product	Description	Kit Configuration
Calibration Plasma *(p/n 0020003700)*	For the calibration of assays on Werfen Hemostasis Testing Systems.	10 x 1 mL Calibration Plasma (lyo)
Normal Control Assayed *(p/n 0020003110)*	For the quality control of assays in the normal range on Werfen Hemostasis Testing Systems.	10 x 1 mL Normal Control (lyo)
Low Abnormal Control Assayed *(p/n 0020003210)*	For the quality control of assays in the low abnormal range on Werfen Hemostasis Testing Systems.	10 x 1 mL Low Abnormal Control (lyo)
High Abnormal Control Assayed *(p/n 0020003310)*	For the quality control of assays in the high abnormal range on Werfen Hemostasis Testing Systems.	10 x 1 mL High Abnormal Control (lyo)
Special Test Control Level 1 *(p/n 0020011000)*	For quality control in the low abnormal range for the chromogenic tests: AT, PLG, PI, PC and FVIII; quality control of free PS assay in the range of 50–60% activity; and quality control of VWF assays (Antigen, Activity and RCo) in the normal range on Werfen Hemostasis Testing Systems.	10 x 1 mL Special Test Level 1 (lyo)
Special Test Control Level 2 *(p/n 0020012000)*	For quality control in the high abnormal range for the chromogenic tests: AT, PLG, PI, PC and FVIII; quality control of free PS and Factor (clotting) assays (II, V, VII, VIII, IX, XI, XII, and FXIII Ag) in the range of 20–40% activity; and quality control of VWF assays (Antigen and RCo) in the low abnormal range on Werfen Hemostasis Testing Systems.	10 x 1 mL Special Test Level 2 (lyo)

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Plasma Calibrators and Controls

Product	Description	Kit Configuration
Low Fibrinogen Control *(p/n 0020004200)*	For a complete quality control program in the abnormal range of FIB tests on Werfen Hemostasis Testing Systems.	10 x 1 mL Low Fibrinogen Control (lyo)
Routine Control Level 1 *(p/n 0020005600)**	For quality control of Hemostasis assays in the normal range, to assess precision and accuracy of PT, APTT and FIB tests on ACL Elite and ACL Elite Pro Systems.	10 x 1 mL Routine Control Level 1 (lyo)
Routine Control Level 2 *(p/n 0020005700)**	For quality control of Hemostasis assays in the low abnormal range, to assess precision and accuracy of PT and APTT tests on ACL Elite and ACL Elite Pro Systems.	10 x 1 mL Routine Control Level 2 (lyo)
Routine Control Level 3 *(p/n 0020005800)**	For quality control of Hemostasis assays in the high abnormal range, to assess the precision and accuracy of PT and APTT tests on ACL Elite and ACL Elite Pro Systems.	10 x 1 mL Routine Control Level 3 (lyo)
QC Plasma Coagulation Control Level I *(p/n 0020010700)†*	Normal human plasma used as a normal control in routine Hemostasis assays such as PT, APTT, FIB, AT and PC to detect significant changes in certain variables inherent in Hemostasis testing.	10 x 1 mL QC Plasma Level I (lyo)
QC Plasma Coagulation Control Level II *(p/n 0020010800)†*	Abnormal human plasma used as a mid-range abnormal control in routine Hemostasis assays such as the one-stage PT, APTT, FIB, AT and PC, to detect significant changes in certain variables inherent in Hemostasis testing.	10 x 1 mL QC Plasma Level II (lyo)
Normal Control 1 *(p/n 0020013900)**	For the quality control of assays in the normal range Werfen Hemostasis Testing Systems.	10 x 1 mL Normal Control 1 (lyo)
Abnormal Control 2 *(p/n 0020014000)**	For the quality control of assays in the low abnormal range on Werfen Hemostasis Testing Systems.	10 x 1 mL Abnormal Control 2 (lyo)
Abnormal Control 3 *(p/n 0020014100)**	For the quality control of assays in the high abnormal range on Werfen Hemostasis Testing Systems.	10 x 1 mL Abnormal Control 3 (lyo)

**Not available in all countries.*
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Controls								
Reagent	**Normal Control Assayed**	**Low Abnormal Control Assayed**	**High Abnormal Control Assayed**	**Special Test Control Level 1**	**Special Test Control Level 2**	**Normal Control 1***	**Abnormal Control 2***	**Abnormal Control 3***
PT	•	•	•			•	•	•
APTT	•	•	•			•	•	•
Fibrinogen	•	•				•	•	
Thrombin Time	•	•				•	•	
Antithrombin	•	•		•	•	•	•	
Protein C	•	•		•	•			
Protein S	•	•		•	•			
VWF Antigen	•			•	•			
VWF Activity	•			•				
VWF:RCo†	•			•	•			
FII, V, VII, X	•				•			
FVIII, IX§, XI, XII	•				•			
FXIII Antigen‡	•				•			
Plasminogen	•			•	•			
Plasmin Inhibitor	•			•	•			

**Not available in all countries.*
†Not 510(k)-cleared or Health Canada licensed. Not saleable in US and Canada.
‡FXIII antigen assays are exempt from 510(k)-clearance. Not available in all countries.
§ Includes both clotting and chromogenic assays.

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Plasma Calibrators and Controls

Calibration Plasma		
Reagent	**ACL TOP Family/ 50 Series/70 Series****	**ACL Elite/Elite Pro**
PT	•	•
APTT	•	•
Fibrinogen	•	•
Thrombin Time (2 mL)	•	•
Thrombin Time (5 mL)	•	•
Thrombin Time (8 mL)	•	•
Antithrombin	•	•
ProClot	•	
Protein C	•	•
Protein S Activity	•	•
Free Protein S	•	•
VWF Antigen	•	•
VWF Activity	•	•
VWF:Ristocetin Cofactor*	•	
FII, V, VII, X	•	•
FVIII, IX[§], XI, XII	•	•
FXIII Antigen†	•	
Plasminogen	•	
Plasmin Inhibitor	•	

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***Not available in all countries.*
†FXIII assays are exempt from 510(k)-clearance.

Solutions

HemosIL®

Product	Description	Kit Configuration
Factor diluent *(p/n 0009757600)*	For use to dilute samples, calibrators and controls where applicable.	1 x 100 mL
Wash-R Emulsion *(p/n 0020002400)*	Optical reference for nephelometric analysis and washing solution on ACL Elite/Elite Pro systems.	1 x 1000 mL
Cleaning Solution *(p/n 0009831700)*	Cleaning solution for Werfen Hemostasis Testing Systems.	1 x 500 mL
Cleaning Agent *(p/n 0009832700)*	Cleaning solution and decontaminant for Werfen Hemostasis Testing Systems.	1 x 80 mL
Rinse Solution *(p/n 0020302400)*	Rinsing solution for Werfen Hemostasis Testing Systems.	1 x 4000 mL
AcuStar Triggers *(p/n 0009802201)*	Catalyst and oxidizer solutions for triggering chemiluminescent reaction on the ACL AcuStar systems.	2 x 250 mL
AcuStar System Rinse *(p/n 0009802200)*	For magnetic wash cycles and as a rinsing solution on the ACL AcuStar systems.	1 x 5000 mL
AcuStar Cleaning Solution *(p/n 0009802204)*	Cleaning solution for the ACL AcuStar systems.	6 x 4 mL



*Not available in all regions.

Hemostasis Testing Systems

Introduction

Easy, comprehensive solutions

Werfen was the first to automate clotting assays, and we are now the market leader in Hemostasis testing. Our testing systems use advanced optical technology and set a new standard for precision and operational simplicity, while our HemosIL reagents comprise a comprehensive panel. Together, they are a complete disease-state management solution. Working with the specific volume and demand in your lab, Werfen can build a complete testing solution that meets your needs and helps deliver quality care.





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ACL TOP® Family 70 Series

Advancing Hemostasis testing for improved efficiency and standardization

New ACL TOP Family 70 Series

The next generation of Hemostasis systems, offering automated performance verification tools, enhanced connectivity, centralized data management, and control across an entire laboratory network.

Enhanced standardization with flexibility

- Broadest portfolio of standardized Hemostasis systems, designed to accommodate a range of testing volume needs, now enhanced with chemiluminescence technology.

Elevated performance and quality

- Automated pre-analytical sample integrity checks detect underfilled sample tubes, clogs, and hemolysis, icterus, and lipemia (HIL)

Automation and connectivity for greater efficiency

- Automated performance verification tools
- Advanced connectivity for centralized quality control and results management with HemoHub Intelligent Data Manager
- Security and privacy-by-design with automated updates

For high-volume labs
ACL TOP 770/770S/LAS

For highly specialized testing labs
ACL TOP 970 CL

For medium- to-high-volume labs
ACL TOP 570

For medium-volume labs
ACL TOP 370



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ACL TOP® 770 / 770S / 770LAS

Elevating standardization across the network

The ACL TOP 770 system is ideal in any high-volume lab environment.

- Offers automated pre-analytical sample checks and advanced automated quality management
- Reduces risk of errors and enhances efficiency* for improved patient care
- Maximizes simplicity, speed, and productivity, elevating testing automation and quality to the highest level



ACL TOP 770 LAS

Connects to laboratory automation tracks for maximum flexibility and efficiency.

ACL TOP 770 S

Runs more tests in less time—our fastest analyzer for routine and specialty analysis in laboratories with the heaviest workloads.

ACL TOP 770

User-friendly with closed-tube sampling and high throughput—for routine analysis in laboratories with the heaviest workloads.

	ACL TOP 770 S	ACL TOP 770
Throughput (PT/hr)	360	270
Samples on-board	120	120
Reagents on-board	60	60

ACL TOP 770 LAS

As an integral part of the HemoCell solution, the system saves time and resources to support better patient care – test after test.

Connects to HemoCell and additional LAS tracks:
- Thermo Fisher
- Beckman Coulter
- Abbott
- Siemens
- Inpeco
- IDS
- GLP
- Roche
- Ortho



*Data on file

ACL TOP 970 CL

Elevating standardization across the network

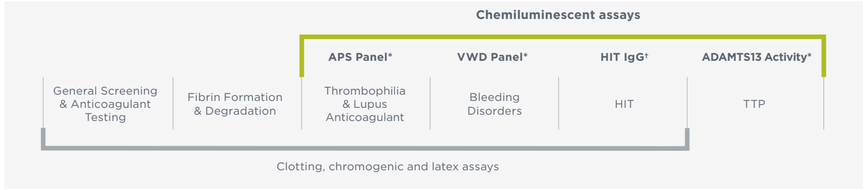
The ACL TOP 970 CL system is a breakthrough Hemostasis analyzer.

Combines world-leading Hemostasis technology with the analytical performance of chemiluminescence for on-demand availability of Hemostasis test panels.

- Enhanced with chemiluminescent technology
- Provides on-demand availability of the most comprehensive Hemostasis test panels for screening, diagnosis and monitoring of bleeding and thrombotic disorders
- Enables the consolidation of multiple platforms and manual technologies to improve quality, efficiency, and patient care*



	ACL TOP 970 CL
Throughput (PT/hr)	240
Throughput (CL/hr)	30
Samples on-board	80
Reagents on-board	54 (40 vials + 14 cartridges)



*Data on file, Werfen. **In development, not currently saleable. †Not available in all countries

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ACL TOP 570

Elevating standardization across the network for medium-to-high volume labs

The ACL TOP 570 systems combines unique testing capabilities with end-to-end automation for simplicity and maximum operator productivity.

- Comprehensive menu of routine and specialty reagents is ideal for broad-spectrum lab needs and testing volumes
- Enhances efficiency with automated pre-analytical sample checks, advanced automated quality management, and laboratory accreditation support tools
- A complete solution delivering testing automation and efficiency for medium-to-high volume specialty labs



	ACL TOP 570
Throughput (PT/hr)	240
Samples on-board	80
Reagents on-board	40

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ACL TOP 370

Elevating standardization across the network for medium-volume labs

Compact in size yet robust in features, the ACL TOP 370 systems is fully automated for fast and accurate results.

- Perfect companion to ACL TOP 770 and 570 systems
- Simplifies testing for routine or specialty assays
- Reduces risk of errors and enhances efficiency* with automated pre-analytical sample checks, advanced automated quality management, and laboratory accreditation support tools



	ACL TOP 370
Throughput (PT/hr)	110
Samples on-board	40
Reagents on-board	26

*Data on file

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ACL TOP Family 50 series

A breakthrough in Hemostasis testing

New ACL TOP Family 50 Series

Offering the most advanced automation and quality management, from routine to specialty assays. Standardized across all ACL TOP systems—for superior performance across your entire testing process.*

- **Same** quality results
- **Same** comprehensive reagent portfolio
- **Same** powerful and intuitive software
- **Same** features and usability
- **Same** pre-analytical sample checks with assay-specific thresholds
- **Same** advanced lab accreditation support
- **Same** advanced quality management

For high-volume labs

ACL TOP 750/CTS/LAS

Run more tests in less time—user-friendly and high-throughput for routine analysis in laboratories with the heaviest workloads.

For medium- to-high-volume labs

ACL TOP 550 CTS

Highly automated testing processes in routine, medium- to-high-volume and specialty labs.

For medium-volume labs

ACL TOP 350 CTS

Smallest ACL TOP system for routine or specialty assays in medium-volume labs. Perfect companion to ACL TOP 750 CTS or ACL TOP 550 CTS systems.



*Data on file

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ACL TOP 750 / 750 CTS / 750 LAS

Advanced testing automation and quality management for high-volume labs



Maximum speed, intelligence and simplicity

Delivers the highest level of performance for the best possible results—in any lab environment. Every ACL TOP 750 system maximizes simplicity, speed and productivity, elevating testing automation and quality to the highest level. Provides true standardization across all applications—whether used in routine, high-volume specialty labs or as part of a fully integrated Laboratory Automation System.

Various configurations offer greater flexibility

- **ACL TOP 750** (Open-Tube Sampling)
- **ACL TOP 750 CTS** (Closed-Tube Sampling)
- **ACL TOP 750 LAS** (Laboratory Automation System)

ACL TOP 750 LAS

- Follows CLSI Guidelines AUTO01-A, and AUTO05-A for Point of Reference Sampling (POR)
- Open system compatible with most laboratory automation track systems
- Eliminates need for costly and slow robotic interface

Connects to CLSI POR-Compliant Automation

- HemoCell
- Thermo Fisher
- Abbott
- Inpeco
- Beckman Coulter
- Siemens
- IDS
- GLP
- Roche



Analyzer automation

- Barcoded reagents
- Continuous on-board reagent stability monitoring
- Automatic QC frequency execution
- Rerun and reflex testing capabilities
- Fully automated reporting of factor assays with Parallelism
- Auto-verification and uploading of results
- Closed-Tube Sampling via cap-piercing (CTS models only)

Continuous operation

- Continual loading and unloading of samples and reagents via racks, with no system interruption
- Uninterrupted cuvette loading
- Uninterrupted waste disposal

Simple maintenance

- Daily maintenance, ordered by user and performed by system, in <5 minutes
- "Maintenance overdue" notifications alert user
- Remote instrument diagnostics and troubleshooting via web interface in real time (optional)

Fast turnaround

- Up to 360 PT/hour
- PT from standby in <3 minutes
- Samples loaded on any rack, in any position, at any time, including STAT

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ACL TOP 550 CTS

Advanced testing automation and quality management for medium- to high-volume labs

Superior functionality at the right size—now with automated assay-specific pre-analytical sample checks

Combines unique testing capabilities with end-to-end automation for simplicity and maximum operator productivity. Its comprehensive menu for routine and specialty assays is ideal for broad-spectrum lab needs and testing volumes. Automated pre-analytical sample checks, advanced automated quality management and accreditation tools support efficiency and patient care



Analyzer automation

- Barcoded reagents
- Continuous on-board reagent stability monitoring
- Automatic QC frequency execution
- Rerun and reflex testing capabilities
- Fully automated reporting of factor assays with Parallelism
- Auto-verification and uploading of results
- Closed-Tube Sampling via cap-piercing

Continuous operation

- Continual loading and unloading of samples and reagents via racks, with no system interruption
- Uninterrupted cuvette loading
- Uninterrupted waste disposal

Simple maintenance

- Daily maintenance, ordered by user and performed by system, in <5 minutes
- "Maintenance overdue" notifications to alert user
- Remote instrument diagnostics and troubleshooting via web interface in real time* (optional)

Fast turnaround

- Up to 240 PT/hour
- PT from standby in ~3 minutes
- Samples loaded on any rack, in any position, at any time, including STAT
- High capacity: 800 cuvettes, 80 samples, 40 reagents

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ACL TOP 350 CTS

Advanced testing automation and quality management for medium-volume labs

Small footprint, same user-friendly features—now with automated assay-specific pre-analytical sample checks

Compact in size yet robust in features, and fully automated for fast and accurate results. Testing for routine or specialty assays is simple. New automated pre-analytical sample checks, advanced automated quality management and accreditation support tools minimize the risk of errors and enhance efficiency. The ideal solution for medium-volume labs and a perfect complement to the ACL TOP 750 or ACL TOP 550 CTS systems for a fully integrated testing environment.



Analyzer automation

- Barcoded reagents
- Continuous on-board reagent stability monitoring
- Automatic QC frequency execution
- Rerun and reflex testing capabilities
- Fully automated reporting of factor assays with Parallelism
- Auto-verification and uploading of results
- Closed-Tube Sampling via cap-piercing

Continuous operation

- Continual loading and unloading of samples and reagents via racks, with no system interruption
- Uninterrupted cuvette loading
- Uninterrupted waste disposal

Simple maintenance

- Daily maintenance, ordered by user and performed by system, in <5 minutes
- "Maintenance overdue" notifications to alert user
- Remote instrument diagnostics and troubleshooting via web interface in real time* (optional)

Fast turnaround

- Up to 110 PT/hour
- PT from standby in ~3 minutes
- Samples loaded on any rack, in any position, at any time, including STAT
- High capacity: 800 cuvettes, 40 samples, 26 reagents

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ACL AcuStar

Automating and standardizing highly specialized assays while enhancing assay performance of routine tests. Advanced assay technology, complemented with end-to-end automation, provides a quantum leap in simplicity and throughput.

A true breakthrough in specialty testing. It's about time. And accuracy.

Test panel

- ADAMTS13 Activity*
- HIT-IgG$_{(PF4-H)}$
- VWF:Ag*
- VWF:RCo*
- VWF:CB*
- D-Dimer
- aCL IgG
- aCL IgM
- aß$_2$GPI IgG
- aß$_2$GPI IgM
- aß$_2$GPI Domain 1

Simple to use

- Reagent cartridges eliminate reagent handling
- Integrated barcode reader automatically tracks cartridges and samples
- Easy rack loading accommodates up to 30 samples on-board

Highly accurate

- Automated chemiluminescent technology enhances accuracy and sensitivity
- Immunoglobulin isotype differentiation improves specificity
- High sensitivity and broad working range with one- or two-stage immunoassays

Fast and efficient

- Efficiency for key specialty assays
- Up to 20 different assays on-board and available 24 hours/day, 7 days/week
- 60 tests/hour throughput
- Results in ~30 minutes
- STAT or batch sample processing
- Up to 12-week on-board stability



**Not 510(k)-cleared and not Health Canada licensed. Not for sale in the US and Canada.*

ACL elite Family

ACL Elite Pro

Simple, comprehensive solutions for the Hemostasis Laboratory

Enable routine, specialty and STAT testing on compact, convenient and easy-to-use systems. Whether your volume needs are low or high, a host of innovative and valuable performance features include:

- **Random-access processing** for minimized turnaround time
- **STAT PT and APTT available** in as little as 8 minutes
- **Barcoded reader for reagents** (standard on ACL Elite Pro system)
- **Superior walk-away capacity** for 40 samples and up to 260 cuvettes onboard
- **STAT interrupt and continuous sample loading** for uninterrupted testing capability
- **Integrated** color touchscreen
- **Intuitive software** streamlines system operation
- **Proven and reliable mechanics** for robust operation with minimal maintenance
- **Comprehensive test menu** makes specialty testing as simple as routine testing







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Digital Solutions and Laboratory Automation

Solutions for Hemostasis testing

Werfen continues to innovate Hemostasis testing to advance patient care and enhance laboratory efficiency. HemoHub Intelligent Data Manager centralizes the entire Hemostasis testing operation from a single workstation, while ProDx Remote Support Suite provides automated remote monitoring and technical support to ensure continuous peak efficiency. AccuTrak 2.0 provides laboratory quality control management, including peer group comparison reports with system specific performance data. HemoCell Specialized Lab Automation is the world's first workcell solution exclusively for Hemostasis testing. It supports quality of care, while reducing costs and keeping Hemostasis expertise where it belongs—in your lab.



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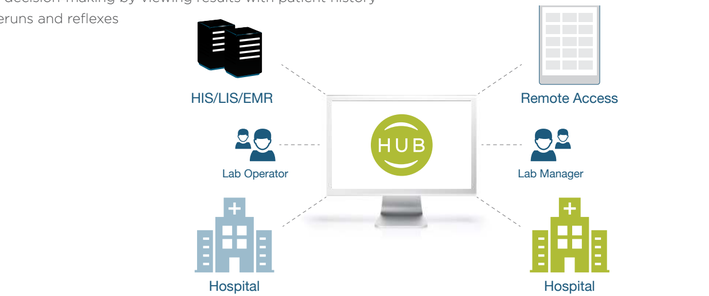
HEMOHUB
INTELLIGENT DATA MANAGER

Centralized management for Hemostasis testing

Unmatched operational performance from a single workstation. Today's Hemostasis testing labs are challenged to do more with less. HemoHub Intelligent Data Manager enhances the efficiency of the entire Hemostasis testing operation, improving workflow, supporting laboratory decision-making and ultimately patient care.

Connects all ACL testing systems and allows users to centrally:

- View critical results and analyzer status in real time
- Minimize workflow interruptions with flagged sample alerts
- Manage quality control simply and efficiently
- Support laboratory decision-making by viewing results with patient history
- Set up automatic reruns and reflexes
- Optimize operations and facilitate accreditation
- Run customized reports and track key performance indicators





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ProDx™
REMOTE SUPPORT SUITE

Specialized support through advanced connectivity and central management

For Optimal Performance and Support

Ensuring maximum operation and faster time to issue resolution

- **Seamless remote desktop support** to aid in troubleshooting
- **Remote software delivery** of security patches allow for convenient patching, minimizing disruptions and enhancing security
- **Data-driven support** through consistent performance monitoring enables timely notification of issues in critical areas and/or instrument connectivity
- **Automatic-Upload of Quality Control (QC) Data** to AccuTrak™ 2.0 Quality Control (QC) Peer Comparison Platform

Cloud-based
Minimizing vulnerabilities, strengthening security

Robust data privacy
No patient health information (PHI) ever stored

One solution
Spans Werfen product lines (Hemostasis, Acute Care and Autoimmunity) to simplify management of solutions across the hospital network

Hemostasis Connectivity

ACLTOP® 70 Series Family

ACL AcuStar®

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AccuTrak™ 2.0

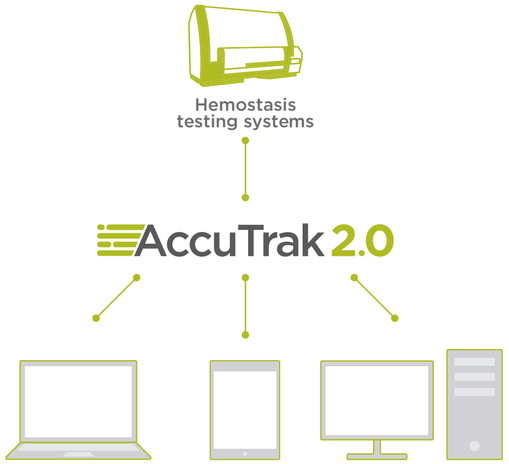
Quality control peer group comparison software program

Assists Werfen customers with laboratory quality control management.

- Peer group comparison reports providing system specific performance data
- Integral tool for fulfilling laboratory accreditation requirements

Available for all Werfen Hemostasis Testing Systems with HemosIL and HemosIL AcuStar controls

- Monthly comparison reports for monitoring laboratory quality control performance (mean, SD, CV)
- Control lot based data with customizable peer groups to meet specific comparison performance requirements

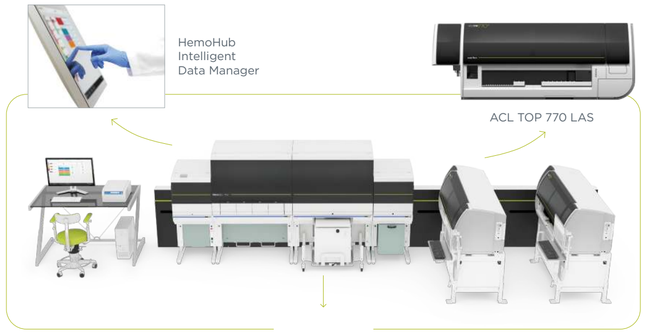


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HemoCELL
SPECIALIZED
LAB AUTOMATION

Integrating the leading Hemostasis testing system with the efficiency of lab automation

HemoCell Specialized Lab Automation is a workcell solution designed to meet the unique requirements of your Hemostasis laboratory. Advanced automation of the pre-analytical, analytical and post-analytical phases of Hemostasis testing. Supports productivity, improves quality and reduces operating cost.



ACL TOP 770 LAS

- Continuous-access reagent and cuvette loading for nonstop operation

HemosIL assay portfolio

- The most comprehensive panel of fully automated Hemostasis reagents available

HemoHub Intelligent Data Manager

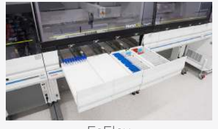
- Intelligent sample routing, centralized information and status management for real-time automatic workflow adjustments

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Advanced automation for superior performance

Werfen Hemostasis Workflow experts are prepared to partner with your laboratory, offering a customized solution designed to achieve your goals; including improvements to productivity and efficiency which allow your technologists to focus on value-added activities enhancing patient care.

Flexible sample loading and management



EsFlex

- Shared Input and Output module to minimize footprint while optimizing sample flow and decreasing turnaround time.

Tailored solutions



Online Centrifuge

- On-board, fully automated centrifugation for the most standardized process.



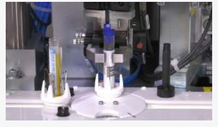
Es Centrifuge

- Custom, automation-ready racks for improved standardization vs conventional tabletop centrifuges.

Fully automated sample management



Decapper



Recapper

- Eliminates manual steps enabling lab staff to focus on value-added activities

Our workflow specialists will collaborate with your lab to:

- Apply lean practices to optimize workflows
- Design a customized automation solution that will positively impact current and future key performance indicators and meet space requirements
- Virtual Reality technology provides a guided tour of your proposed lab layout for real-life experience*

**Virtual Reality technology is not available in all countries.*

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Consumables

Product	P/N	ACL TOP Family/ 50 Series/70 Series	ACL Elite/Elite Pro	ACL AcuStar
Cuvettes (2400 cuvettes)	0029400100	•		
Clean B pre-labeled 10 mL vials	00009832701	•		
Clean B diluted pre-labeled 20 mL vials	00009832720	•		
CTS filters (12/pkg)	0029403501	•		
Rotors (100 pcs/2000 wells)	0006800000		•	
Sample tray converter (3.5 mL)	0019058600		•	
Sample tray (5 mL)	00018110898		•	
Sample tray (S 11.5)	00018181285		•	
ACL AcuStar cuvettes (1400 pcs)	0009801100			•
ACL AcuStar cuvette waste bin	0009801030			•

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Accessories

Product	P/N	ACL TOP 970 CL	ACL TOP 750, 750 LAS, 770 S, 770 LAS	ACL TOP 750 CTS, 770	ACL TOP 550 CTS, 570	ACL TOP 350 CTS, 370	ACL Elite/ Elite Pro	ACL AcuStar
Magnetic stirrers	0009746606	•	•	•	•	•	•	
Sample cups 0.5 mL (polystyrene 1000 pcs)	0006799200						•	
Sample cups 2 mL (polystyrene 1000 pcs)	0005575100	•	•	•	•	•	•	•
Sample cups 4 mL (polystyrene 100 pcs + labels)	0006799400						•	
T-connector	0007406800						•	
Sample/reagent tubing	0007328901						•	
Air filter moulded	0018181271						•	
Waste reservoir	0018181272						•	
Needles block	0018110843						•	
Needles adjustment tool	0018103941						•	
Waste tube	0009909503						•	
Waste bottle	0018105769						•	
Waste bottle 10 L	0018901300	•	•	•	•	•		
Glass vials 20 mL (8 pcs)	0019085463	•	•	•	•	•		
Glass vials 10 mL (10 pcs)	0018924100	•	•	•	•	•	•	
Glass vials 4 mL (10 pcs)	0018924104	•	•	•	•	•	•	
Plastic bottle 30 mL	0018902000	•	•	•	•	•		
Tubing extractor kit	0018108065						•	
Aliquot tube adapter (10 pcs)	0028533400	•	•	•	•	•		
Pediatric tube adapter (10 pcs)	0028533500	•	•	•	•	•		
Micro tube adapter (10 pcs)	0028533700	•	•	•	•	•		
CTS sample tube adapter (10 pcs)	0028533600	•		•	•	•		
CTS rack adapter blue (48/pkg)	0027500148	•		•	•	•		
CTS rack adapter blue (96/pkg)	0027500149	•		•	•	•		
Sample racks (12 pcs)	0009801012							•
High capacity rinse accessory	00009800030							•
CTS piercer	0029403601	•		•	•	•		
CTS probe	0029403701	•		•	•	•		
CTS sample rack set, 01–12	0029400901	•		•	•	•		

Sarstedt CTS racks and sample adapters may be used on any ACL TOP system with CTS (software version 4.0 or higher). Rack numbering and rack counts vary by set.

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Product	P/N	ACL TOP 970 CL	ACL TOP 750, 750 LAS, 770 S, 770 LAS	ACL TOP 750 CTS, 770	ACL TOP 550 CTS, 570	ACL TOP 350 CTS, 370	ACL Elite/ Elite Pro	ACL AcuStar
CTS sample rack set, 13–24	0029400902	•		•	•	•		
CTS sample rack set, 25–36	0029400903	•		•	•	•		
CTS sample rack set, 37–48	0029400904	•		•	•	•		
CTS sample rack set, 49–60	0029400905	•		•	•	•		
CTS sample rack set, 61–72	0029400906	•		•	•	•		
CTS sample rack set, 73–84	0029400907	•		•	•	•		
CTS sample rack set, 85–96	0029400908	•		•	•	•		
CTS filter replacement tool	0028386300	•		•	•	•		
CTS sample rack set, 01–08	0029400941	•		•	•	•		
CTS sample rack set, 09–16	0029400942	•		•	•	•		
CTS sample rack set, 17–24	0029400943	•		•	•	•		
CTS sample rack set, 25–32	0029400944	•		•	•	•		
CTS sample rack set, 33–40	0029400945	•		•	•	•		
CTS sample rack set, 41–48	0029400946	•		•	•	•		
CTS sample rack set, 49–56	0029400947	•		•	•	•		
CTS sample rack set, 57–64	0029400948	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 01–08	0000051301	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 09–16	0000051302	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 17–24	0000051303	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 25–32	0000051304	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 33–40	0000051305	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 41–48	0000051306	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 49–56	0000051307	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 57–64	0000051308	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 65–72	0000051309	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 73–80	0000051310	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 81–88	0000051311	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 89–96	0000051312	•		•	•	•		
CTS Sarstedt rack set, 14 mm 01–08	0000051401	•		•	•	•		
CTS Sarstedt rack set, 14 mm 09–16	0000051402	•		•	•	•		
CTS Sarstedt rack set, 14 mm 17–24	0000051403	•		•	•	•		

Sarstedt CTS racks and sample adapters may be used on any ACL TOP system with CTS (software version 4.0 or higher). Rack numbering and rack counts vary by set.

Product	P/N	ACL TOP 970 CL	ACL TOP 750, 750 LAS, 770 S, 770 LAS	ACL TOP 750 CTS, 770	ACL TOP 550 CTS, 570	ACL TOP 350 CTS, 370	ACL Elite/ Elite Pro	ACL AcuStar
CTS Sarstedt rack set, 14 mm 25–32	0000051404	•		•	•	•		
CTS Sarstedt rack set, 14 mm 33–40	0000051405	•		•	•	•		
CTS Sarstedt rack set, 14 mm 41–48	0000051406	•		•	•	•		
CTS Sarstedt rack set, 14 mm 49–56	0000051407	•		•	•	•		
CTS Sarstedt rack set, 14 mm 57–64	0000051408	•		•	•	•		
CTS Sarstedt rack set, 14 mm 65–72	0000051409	•		•	•	•		
CTS Sarstedt rack set, 14 mm 73–80	0000051410	•		•	•	•		
CTS Sarstedt rack set, 14 mm 81–88	0000051411	•		•	•	•		
CTS Sarstedt rack set, 14 mm 89–96	0000051412	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 01–12	0000051501	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 13–24	0000051502	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 25–36	0000051503	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 37–48	0000051504	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 49–60	0000051505	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 61–72	0000051506	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 73–84	0000051507	•		•	•	•		
CTS Sarstedt rack set, 16.3 mm 85–96	0000051508	•		•	•	•		
CTS Sarstedt rack set, 14 mm 01–12	0000051601	•		•	•	•		
CTS Sarstedt rack set, 14 mm 13–24	0000051602	•		•	•	•		
CTS Sarstedt rack set, 14 mm 25–36	0000051603	•		•	•	•		
CTS Sarstedt rack set, 14 mm 37–48	0000051604	•		•	•	•		
CTS Sarstedt rack set, 14 mm 49–60	0000051605	•		•	•	•		
CTS Sarstedt rack set, 14 mm 61–72	0000051606	•		•	•	•		
CTS Sarstedt rack set, 14 mm 73–84	0000051607	•		•	•	•		
CTS Sarstedt rack set, 14 mm 85–96	0000051608	•		•	•	•		
ACL AcuStar sample rack (6 pcs)	0009801006							•
ACL AcuStar sample rack adapters (30 pcs)	0009801020							•
ACL AcuStar narrow tube adapters (30 pcs)	0009801025							•
Sample racks	0019007000			•				
Sample rack set, 01–08*	0029400541	•	•	•	•	•		
Sample rack set, 09–16*	0029400542	•	•	•	•	•		
Sample rack set, 17–24*	0029400543	•	•	•	•	•		
Sample rack set, 25–32*	0029400544	•	•	•	•	•		
Sample rack set, 33–40*	0029400545	•	•	•	•	•		
Sample rack set, 41–48*	0029400546	•	•	•	•	•		
Sample rack set, 49–56*	0029400547	•	•	•	•	•		
Sample rack set, 57–64*	0029400548	•	•	•	•	•		
4 mL diluent bottle adapter (2 pcs)	0028526001	•	•	•	•	•		
10 mL diluent bottle adapter (2 pcs)	0028526101	•	•	•	•	•		

Sarstedt CTS racks and sample adapters may be used on any ACL TOP system with CTS (software version 4.0 or higher). Rack numbering and rack counts vary by set.
**Open tubes or cup. Rack sets compatible with all ACL TOP Family systems. Rack numbering and rack counts vary by set.*

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Product	P/N	ACL TOP 970 CL	ACL TOP 750, 750 LAS, 770 S, 770 LAS	ACL TOP 750 CTS, 770	ACL TOP 550 CTS, 570	ACL TOP 350 CTS, 370	ACL Elite/ Elite Pro	ACL AcuStar
20 mL diluent bottle adapter (2 pcs)	0028526201	•	•	•	•	•		
Rotor insertion tool	0018181277						•	
Reagent adapters 10 mL vial (stirred)	0018181265						•	
Reagent adapters 10 mL vial (not stirred)	0019076200						•	
Reagent adapters 4 mL vial (not stirred)	0019076100						•	
Sample tray cup adapters	0019076400						•	
Sample tray 4 mL vial adapters	0019076300						•	
4 mL reagent bottle adapters	0028520500	•	•	•	•	•		
10 mL reagent bottle adapters	0028520900	•	•	•	•	•		
Reagent rack set, RA-RF	0029400601	•	•	•	•	•		
Reagent rack set, RG-RM	0029400602	•	•	•	•	•		
Rack set reagent, RA-RD ACL TOP	0029400641	•	•	•	•	•		
Rack set reagent, RE-RH ACL TOP	0029400642	•	•	•	•	•		
ACL TOP diluent rack set, DA-DB	0029400741	•	•	•	•	•		
ACL TOP diluent rack set, DC-DD	0029400742	•	•	•	•	•		
Diluent rack DA-DC	0029400701	•	•	•	•	•		
Diluent rack DD-DF	0029400702	•	•	•	•	•		
Sample rack set, 01–12*	0029400501	•	•	•	•	•		
Sample rack set, 13–24*	0029400502	•	•	•	•	•		
Sample rack set, 25–36*	0029400503	•	•	•	•	•		
Sample rack set, 37–48*	0029400504	•	•	•	•	•		
Sample rack set, 49–60*	0029400505	•	•	•	•	•		
Sample rack set, 61–72*	0029400506	•	•	•	•	•		
Sample rack set, 73–84*	0029400507	•	•	•	•	•		
Sample rack set, 85–96*	0029400508	•	•	•	•	•		
Cuvette waste liner, 10 pack (ACL TOP 970 CL, 550)	0029506900	•			•			
Cuvette waste liner, 10 pack (ACL TOP 750)	0029401100		•	•				
Cuvette waste bin, 10 pack (ACL TOP 350)	0027344900					•		
Curvette waste liner (ACL TOP 770, 770 S, 770 LAS)	00097004500		•	•				
Curvette waste liner (ACL TOP 370, 570)	00097004501				•	•		
Tray, 6-sample racks	0028780200	•	•	•	•	•		
ACL TOP Status Indicator Light	00000013187	•	•	•	•	•		
Bulk rinse manifold for ACL TOP	00000011857	•	•	•	•			

**Open tubes or cup. Rack sets compatible with all ACL TOP Family systems. Rack numbering and rack counts vary by set.*

Product	P/N	ACL TOP 970 CL	ACL TOP 750, 750 LAS, 770 S, 770 LAS	ACL TOP 750 CTS, 770	ACL TOP 550 CTS, 570	ACL TOP 350 CTS, 370	ACL Elite/ Elite Pro	ACL AcuStar
HemosIL Clean A Cleaning Solution 500 mL (4 pcs)	00009831700	•	•	•	•	•		
HemosIL Clean B Cleaning Solution 80 mL (1 pc)	00009832700	•	•	•	•	•		
HemosIL Factor Diluent 100 mL (1 pc)	00009757600	•	•	•	•	•		
HemosIL Rinse Solution 4 L	00020302400	•						
HemosIL CL Rinse Solution 4 L	00029781038	•						
HemosIL CL Triggers	00029781030	•						
HemosIL Probe Conditioner 1 mL (10 pcs)	0009850000	•						
Bar Code Label Kit	00000009199	•	•	•	•	•		
Bottles, Plastic 30 mL (with cap)(10 pcs)	00018902000	•	•	•	•	•		
Bottles, Glass 20 mL (8 pcs)	00019085463	•	•	•	•	•		
Bottles, Glass 10 mL (10 pcs)	00018924100	•	•	•	•	•		
Bottles, Glass 4 mL (10 pcs)	00018924104	•	•	•	•	•		
Cups 2 mL Sample (1000 pcs)	00005575100	•	•	•	•	•		
Cuvettes 2400 cuvettes - 600 strips (4 cuvettes/strip)	00029400100	•	•	•	•	•		
2D Bar Code Reader Upgrade Kit	00028210500	•						
ACL TOP 970 CL Operator Manual V 1.1	00027505678	•						
ACL TOP 970 CL Cybersecurity and Privacy Manual	00000015329	•						
Adapter Set Micro Tube	00028529300	•	•	•	•	•		
CTS Tube Adapter	00028529400	•		•	•	•		
Clean Aspirator Assembly	00028713200		•	•	•	•		
CTS Filter Replacement Tool	00028386300	•		•	•	•		
Kit Replacement Piercing Probe CTS	00028600006	•	•	•	•	•		
Printer/Cable/Printer Consumables	Contact service	•	•	•	•	•		
Pump/Probe Tubing Assembly	00028741600							
Rinse Aspirator Assembly 4 L	00028713400	•						
S/S CRU Sample Probe and Seal	00028660141							
Start Up, Aliquot Set	00028525100							
Syringe, 250 µL PE, PSD4	00028753201							
Syringes and plunger Assy 250 uL	00028754001	•						
Tray, 6 Sample Racks (1 pc)	00028780201	•	•	•	•	•		
10 L Waste Bottle Container	00097002610	•	•	•	•	•		
CL Rinse Aspirator Assemply, 4L	00029781616	•						
Waste Sensor Assembly, ACL TOP 970 CL	00029781767	•						

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Instrument Specifications/Tests

Specifications	ACL TOP 970 CL	ACL TOP 750, 750 LAS, 770 S, 770 LAS	ACL TOP 750 CTS, 770	ACL TOP 550 CTS, 570	ACL TOP 350 CTS, 370	ACL Elite Pro	ACL AcuStar
Turbidimetric (clotting) channel	•	•	•	•	•	•	
Absorbance (chromogenic) channel	•	•	•	•	•	•	
Immunological tests	•	•	•	•	•	•	•†
Samples onboard (maximum)	80	120	90	80	40	40	30
Reagents onboard (maximum)		44 (+16)	44 (+16)	40	26	22	20
Cuvettes onboard (maximum)	800	800	800	800	800	240	280
Sample predilution	•	•	•	•	•	•	•
Calibration curve predilution	•	•	•	•	•	•	
STAT capability	•	•	•	•	•	•	•
Quality control	•	•	•	•	•	•	•
Patient data storage	•	•	•	•	•	•	•
Reaction curves availability	•	•	•	•	•	•	
Liquid (sample/reagent) sensor	•	•	•	•	•	•	•
Primary tube capability	•	•	•	•	•	•	•
External barcode reader		*	•	*	*	*	•
Internal barcode reader	•	•	•	•	•	•	•
Throughput up to___ PT/hour	240	360/270		240	110	150	‡
APTT/hour	180	320/270		180	110	100	‡
Automatic downloading	•	•	•	•	•	•	•
Automatic validation		*	*	*	*		•
Automatic uploading		*	*	*	*	•	•
Automatic printing on internal printer						•	•
Automatic printing on external printer	•	•	•	•	•	•	•
Interface to host computer	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Sample ID	•	•	•	•	•	•	•
Preheating	•	•	•	•	•	•	
Open applications	•	•	•	•	•	•	
Cap-piercing	•	•		•	•		

**Optional. †Chemiluminescent technology. ‡ACL AcuStar throughput is 60 tests/hour. PT/APTT are not applicable. For supported assays, refer to page 56.*

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Instrument Specifications/Tests

Tests	ACL TOP Family/50 Series/70 Series**	ACL Elite/Elite Pro	ACL AcuStar
PT	•	•	
PT-FIB based	•	•	
APTT	•	•	
TT	•	•	
Fibrinogen-C	•	•	
Heparin	•	•	
Liquid Anti-Xa	•		
D-Dimer	•	•	•
D-Dimer 500*	•	•	
D-Dimer HS	•		
D-Dimer HS 2000*	•		
D-Dimer HS 500	•		
FDP*	•		
FM*	•		
HIT-Ab$_{(PF4-H)}$	•		
HIT-IgG$_{(PF4-H)}$			•
Antithrombin	•	•	
Protein C (chromogenic)	•	•	
ProClot (clotting)	•		
Protein S Activity	•	•	
Free Protein S	•	•	
Factor V Leiden (APC-R V)	•	•	
Homocysteine	•		
dRVVT Screen & Confirm	•	•	
Silica Clotting Time		•	
Anti-Cardiolipin IgG			•
Anti-Cardiolipin IgM			•
Anti-$ß_2$ GPI Domain 1			•
Anti-$ß_2$ Glycoprotein-I IgM			•
Anti-$ß_2$ Glycoprotein-I IgG			•
Factor II (clotting)	•	•	
Factor V (clotting)	•	•	
Factor VII (clotting)	•	•	
Factor VIII (clotting)	•	•	
Factor IX (clotting)	•	•	
Factor X (clotting)	•	•	
Factor XI (clotting)	•	•	
Factor XII (clotting)	•	•	
Factor VIII (chromogenic)		•	
Factor XIII Antigen†	•		
von Willebrand Factor Antigen	•		•
von Willebrand Factor Activity	•		
von Willebrand Factor Ristocetin Cofactor Activity*	•		•
von Willebrand Factor Collagen Binding Activity*			•
Plasminogen	•		
Plasmin Inhibitor	•		
ADAMTS13 Activity*			•

**Not 510(k)-cleared or Health Canada licensed. Not saleable in US and Canada.*
***Not available in all countries.*
†FXIII assays are exempt from 510(k)-clearance.

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