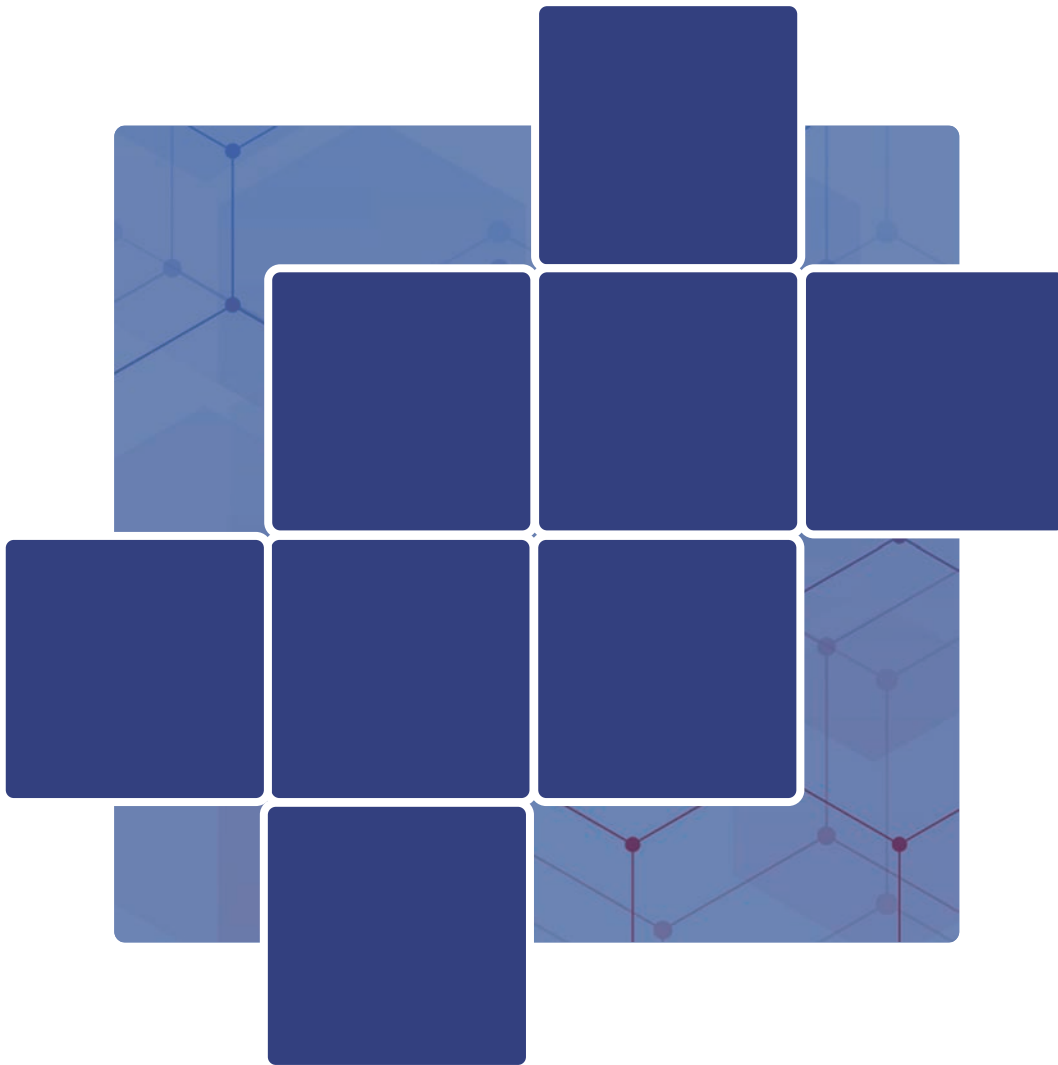


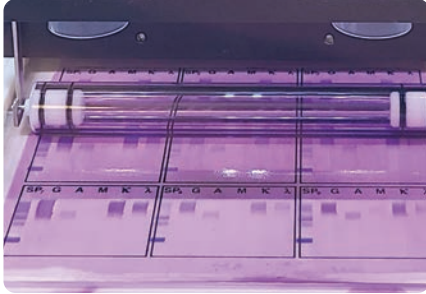
HELENA

2026 PRODUCT HIGHLIGHTS





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QUICKGEL

Manual electrophoresis



2026 PRODUCT HIGHLIGHTS



Sixty years ago, Helena transformed electrophoresis when we introduced supported cellulose acetate media, launching a legacy of innovation that I'm pleased to say continues today.

We are excited about the anticipated release of the **V8 UltraCE analyzer** for clinical use. A validation study by Delanghe et al.[†] found UltraCE to be 25x more sensitive for IgM monoclonals, 10x for IgA, and 5x for IgG. In a separate head-to-head comparison of 739 patient samples confirmed by IFE, a competing CE system missed 60 monoclonals. UltraCE's unique capillary array delivers an exceptional balance of speed, precision, and sensitivity.

SPIFE Nexus continues to gain traction in laboratories for automated, highly sensitive urine and serum protein and IFE testing. With unmatched IFE sensitivity of 1-5 mg/dL and reduced hands-on time, it streamlines workflow while expanding capabilities to include CK, LD, alkaline phosphatase isoenzymes, and acid and alkaline hemoglobins. In 2026, we aim to increase throughput by up to 40% for select assays. We've also just released new **QuickScan Touch Plus version 3.0 software** to improve editing and review workflow as well as strengthening cybersecurity.

This year also marks a major advancement in cardiovascular care. New 2026 ACC/AHA guidelines recommend universal screening for **lipoprotein(a)** to assess genetic risk for ASCVD, with immediate implications for current treatment practices. Helena's direct Cholesterol Profile assay, including HDL-c, LDL-c, VLDL-c, and Lp(a)-c, provides a powerful tool for identifying high-risk patients and monitoring therapy.

There is a lot happening at **Helena Laboratories**, and we are eager to share it with you. Your insights are invaluable as we continue to support today's laboratories and shape tomorrow's possibilities.

Best personal regards,

A handwritten signature in blue ink that reads "Tipton Golias".

Tipton Golias
Chairman and Founder



WWW.HELENA.COM

[†]Delanghe JR, Godefroid M, Maenhout T. Validation Study of the Helena V8 UltraCE Capillary Electrophoresis Analyser. *Clinical Chemistry and Laboratory Medicine (CCLM)*. Published online January 5, 2026. doi 10.1515/cclm-2025-1523.

PRODUCT HIGHLIGHTS

NEW! V8 ULTRA CE

New CE with next-gen optics system provides superior results and stunning reproducibility.

PAGE 12

SPIFE NEXUS AUTO GEL ELP

Walkaway processing of full-sized gels with auto everything - from sampling to antisera application to scanning - with crystal clear results.

PAGE 5

Lp(a) IS HERE!

New guidelines for Lp(a) testing and treatment are here now with new Lp(a) drugs on the way. Are you ready? SPIFE Lp(a)-c is the superior assay.

PAGE 10

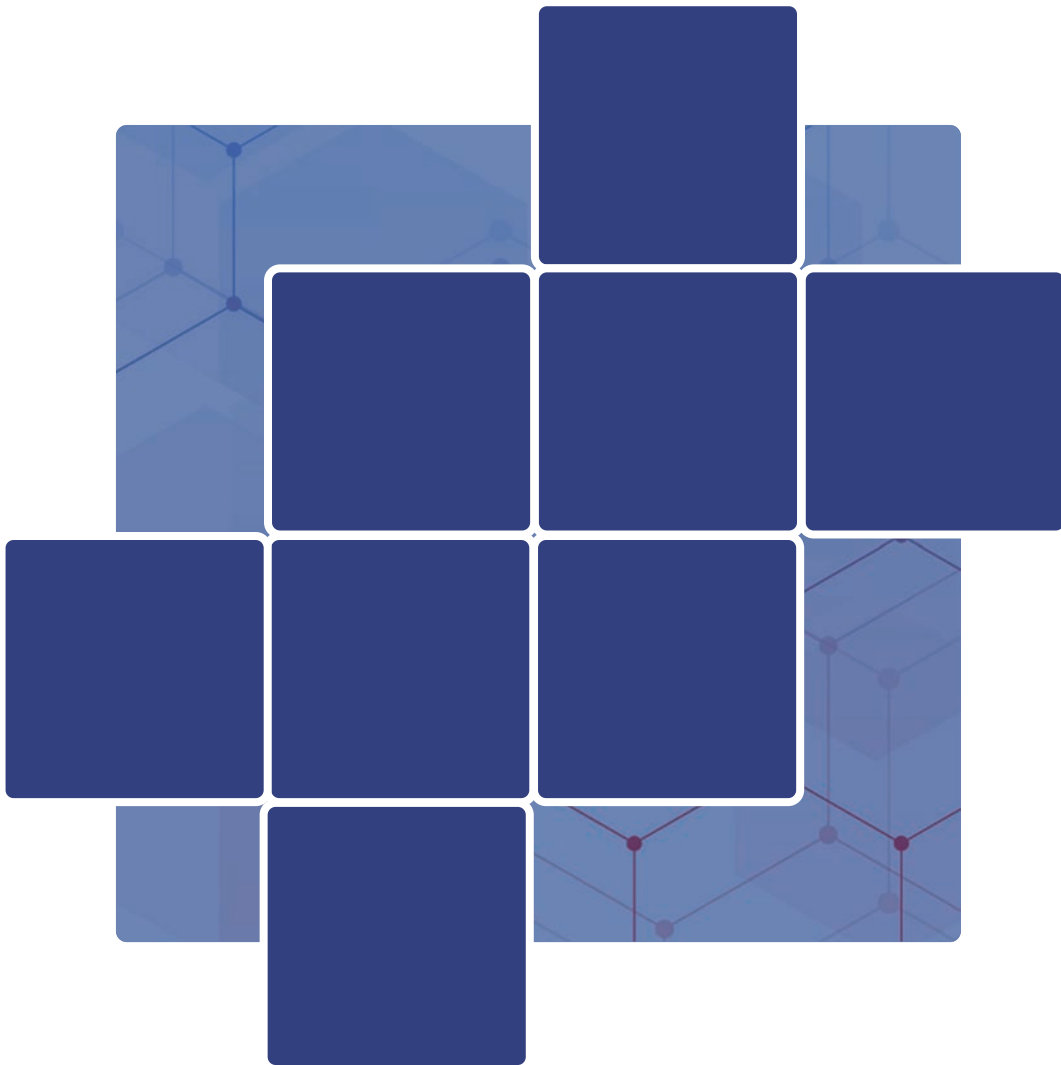
PLATELETWORKS RAPID SCREEN

Screen for anything that impacts platelet function with just an impedance cell counter.

PAGE 29

SPIFE NEXUS

AUTO GEL ELECTROPHORESIS





SPIFE NEXUS

Do more with less. That's the mandate for most laboratories today and Helena is ahead of the curve in providing solutions. The SPIFE Nexus totally automates ELP, providing all the sensitivity with no added time or labor.

SPIFE NEXUS

FULLY AUTOMATED GEL ELECTROPHORESIS



SCAN TO
EXPLORE THE
SPIFE NEXUS
OR SCHEDULE A
VIRTUAL DEMO.

The **SPIFE Nexus** is transformative technology for gel electrophoresis. Based on our full-sized SPIFE agarose gel platform, SPIFE Nexus reimagines all processing steps from sample handling to final results, with linking to capillary results as well.

SPIFE NEXUS FAST FACTS

100

One to 100
SPEs per gel

15

IFE profiles
in 90 minutes

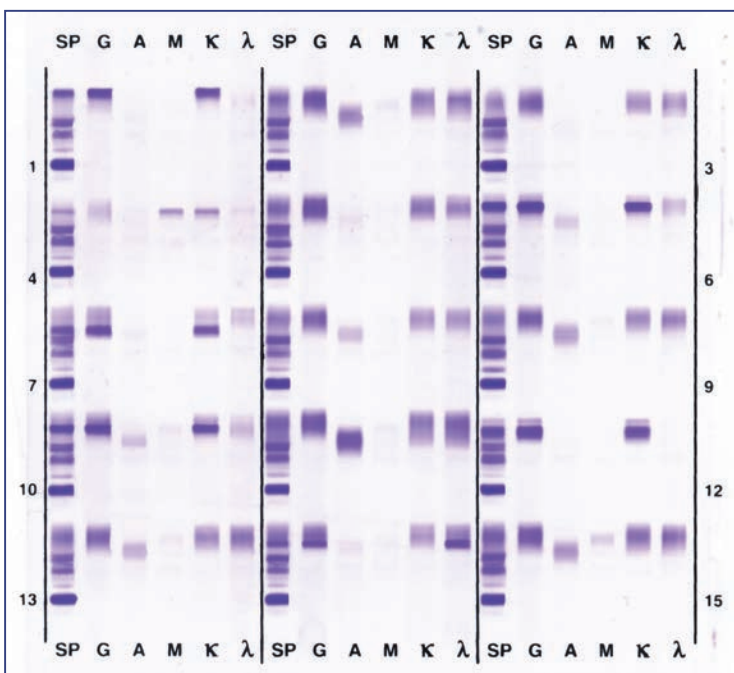
500

SPEs in
8 hours

5

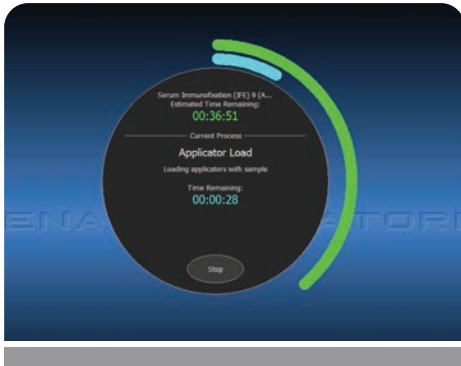
Minute setup
per run

ALL THE SENSITIVITY OF IMMUNOFIXATION WITHOUT ALL THE LABOR



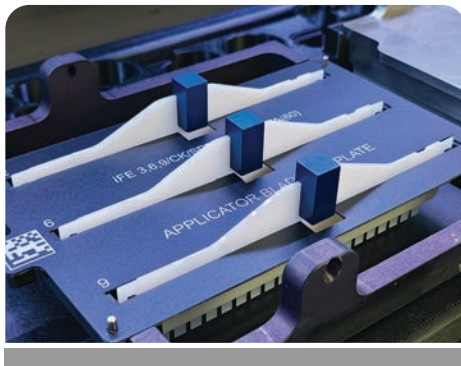
Why choose SPIFE Nexus ImmunoFix?

SPIFE Nexus fully advances immunofixation into a totally automated assay. What does that mean? You get the full 1-5 mg/dL sensitivity of gel electrophoresis (vs 25 mg/dL with CE) AND reduced labor costs. Just load samples and supplies, press start and return later for a finished gel. SPIFE Nexus provides auto sampling, customizable dilution schemes, automated antisera application, staining, destaining and drying. Testing can also be customized to include IgD, IgE, free K and free λ antisera. Trivalent antisera is in development. Full-sized gels accommodate up to 15 profiles per gel with smaller sizes available to suit any workload.



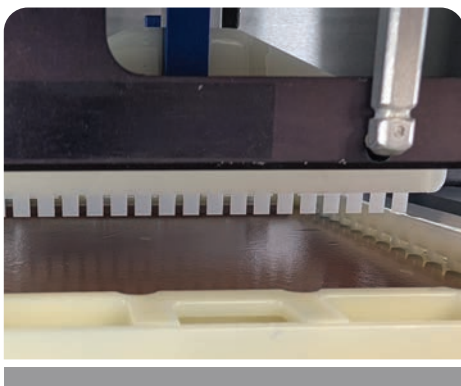
Full Automation for Walkaway Processing and Analysis

- Load reagents and samples and walk away
- All gel processing and scanning are automated
- Visual status updates for monitoring at a glance



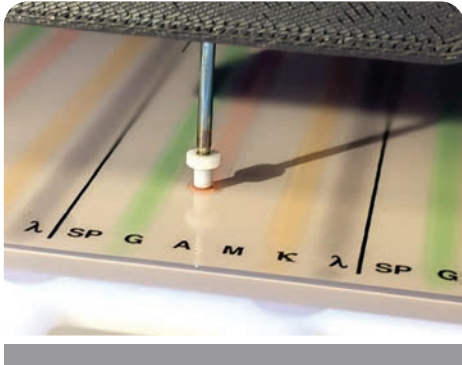
User-Friendly with Error Checking

- Ready Run Tray for easy, five-minute benchtop setup
- Assay-specific 2-D barcodes with system check to prevent operator errors in setup
- Intuitive and flexible software interface



Auto Sampling, Dilutions and Application

- Auto sampling from primary tubes or prepared sample trays
- Auto dilutions for immunofixation
- Automatic application of samples to gels
- Application system unaffected by triglycerides or large proteins



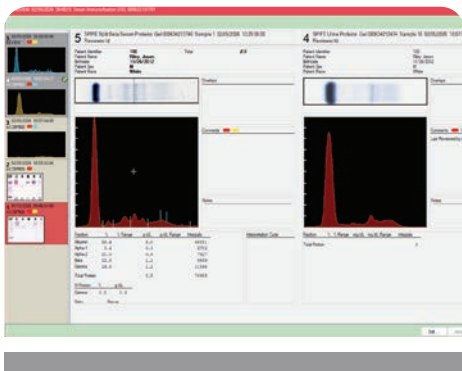
Revolutionary Antisera Application System

- Ready-to-use, color-coded antisera in temperature controlled on-board storage
- Antisera for up to 15 profiles applied directly to gel
- Optional IgD, IgE, Free Kappa and Free Lambda antisera also available
- Trivalent antisera is under development.



Ready-To-Use Pre-Packaged Stains

- Liquid stain, ready to be aliquoted for use
- Stain is evenly distributed with roller bar
- Reduces waste and increases efficiency



Integrated Reporting With Myeloma Module

- QuickScan Touch Plus on-board for precise quantitation
- Integrated reporting of full report profile for rapid reporting with remote review
- Links to V8 UltraCE Serum Protein data

SPIFE Nexus Dimensions:

41" (104.1 cm) W
31" (78.8 cm) D
29" (53.3 cm) H
Monitor and Keyboard:
14" (35.6 cm) W
16" (40.6 cm) D
23" (58.4 cm) H

Total Weight: ~250 lbs (113.4 kg)

Environment: 15° to 27° C (59° to 80.6° F)
Operating System: Microsoft®
Windows® 10
Input Power:
100 - 120 VAC at 16 Amps Max
240 VAC at 10 Amps Max

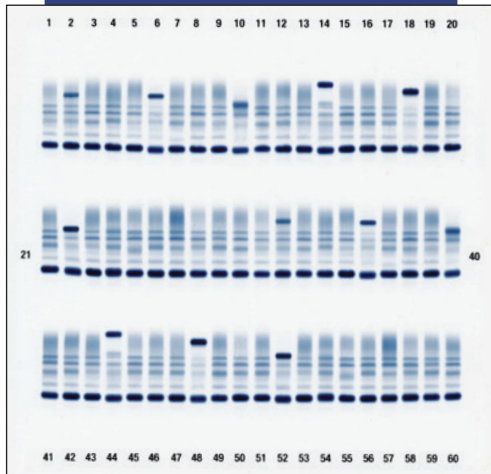
Electrophoresis Timer Range:

1 sec. to 20 min. in 1 second increments
@ 1100V and 150mA
Chamber Temperature Range:
10° to 32° C (50° to 89.6° F)
Pre-Drying Temperature Range:
30° to 62° C (86° to 143.6° F)

Final Drying Temperature Range:

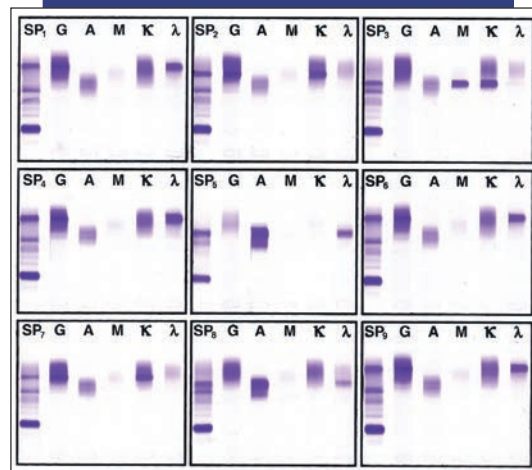
30° to 65° C (86° to 149° F)
Test Tubes:
12-16 mm diameter, 75-100 mm height
(Minimum sample volume 500 µL)
***Windows is a registered trademark of Microsoft Inc.**

SPIFE Nexus Split-Beta Proteins



2398 100 sample kit 2420 60 sample kit
 2399 80 sample kit 2421 40 sample kit
 2422 20 sample kit

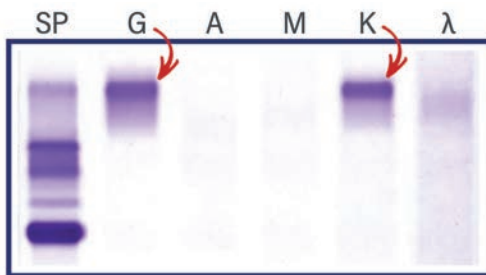
SPIFE Nexus ImmunoFix



2408 15 profile kit 2401 6 profile kit
 2409 9 profile kit

PREVIEW: SPIFE ANTI-DARA

*For research use only. March 2026



Before SPIFE Anti-Dara

New Antisera to Remove mAb Interference from Serum Protein and IFE

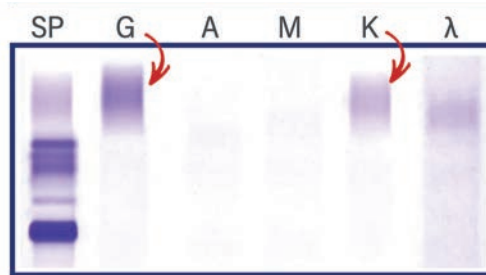
Added to the patient sample cup prior to application, Anti-Dara binds-up the therapeutic monoclonal, removing confusion with pathologic monoclonals.

No special masks or blades needed.

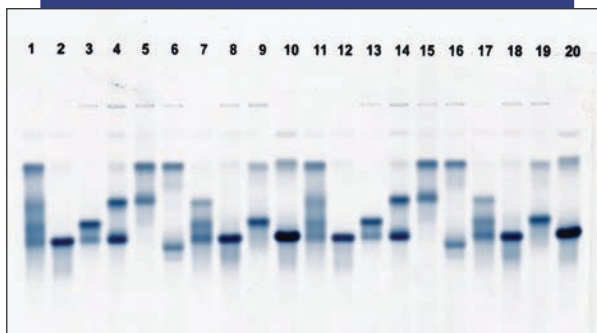


Attention Blood Bankers! Anti-Dara to remove interference with antibody screens is in development.

After SPIFE Anti-Dara

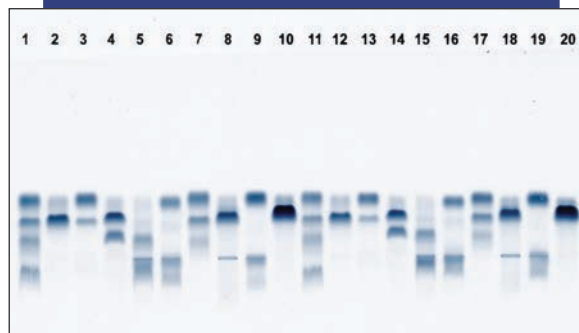


SPIFE Nexus Alkaline Hb



2415 20 sample kit

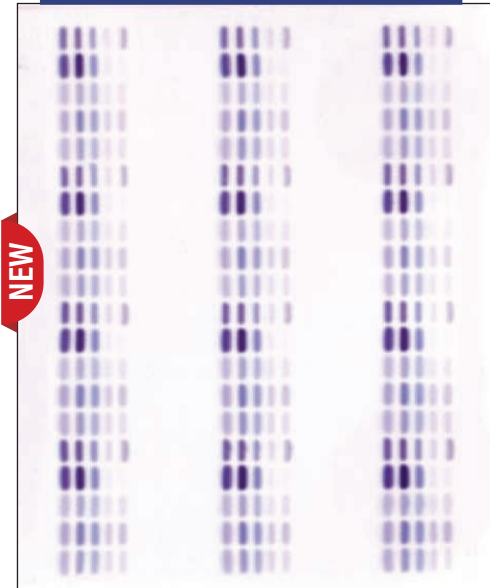
SPIFE Nexus Acid Hb



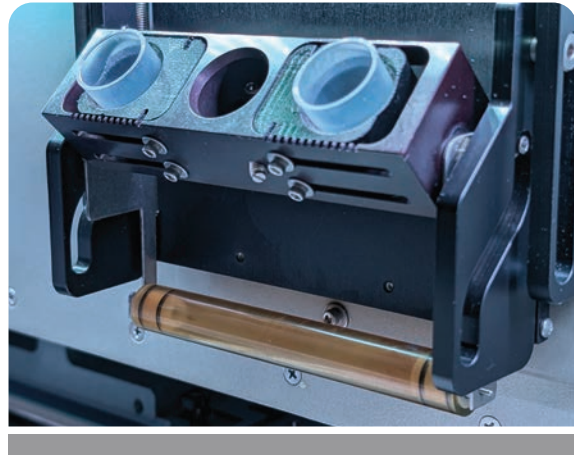
2418 20 sample kit

Alkaline and **Acid Hb** testing can now be done with greater automation on SPIFE Nexus. The Alkaline Hb method rapidly quantitates HbA, F, S and C and other variants. Further testing with acid buffers qualitatively differentiates between variants with similar electrophoretic properties.

SPIFE Nexus LD Isoenzymes



2335 60 sample kit 2337 20 sample kit
2336 40 sample kit



FULLY AUTOMATED TESTING

SPIFE Nexus provides fully automated isoenzyme testing with integrated reagent application, development and scanning of quantitative assays.

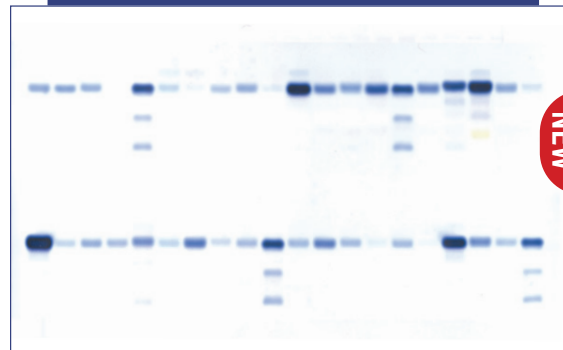


SPIFE Nexus ALP Isoenzymes



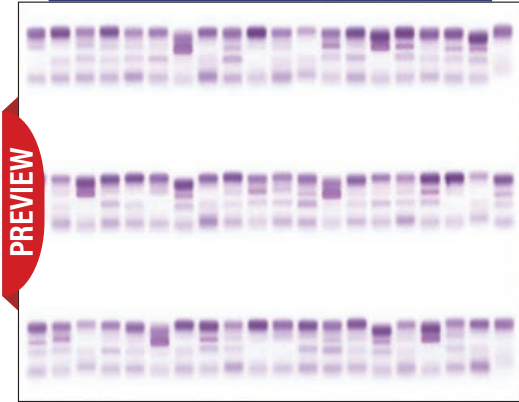
2346 40 sample kit 2345 20 sample kit

SPIFE Nexus CK Isoenzymes



2332 40 sample kit 2333 20 sample kit

SPIFE Nexus Cholesterol



In Development Preview SPIFE Nexus Cholesterol Profile

New screening guidelines for Lp(a)

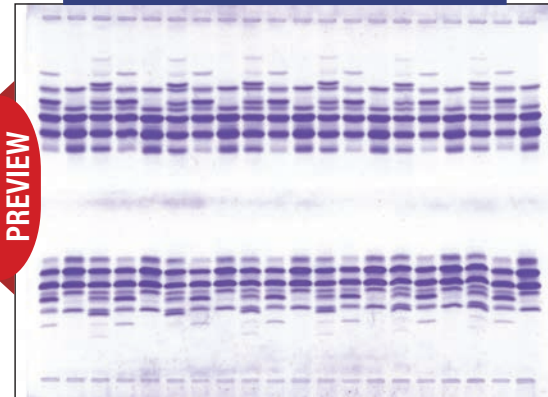
Nexus Cholesterol totally automates direct measurement of the cholesterol content of LDL, HDL, VLDL and Lp(a). Lp(a)-c does not suffer the inaccuracies of Lp(a) mass assays caused by isoform size variations. About 20% of the population are genetic expressors of highly atherogenic Lp(a) and AHA/ACA recommend every adult be screened to determine risk and guide treatment goals.



In Development Preview SPIFE Nexus A1AT

The SPIFE Nexus' precise temperature control provides an excellent platform for separating A1AT phenotypes by IEF. Up to 40 samples can be separated per gel.

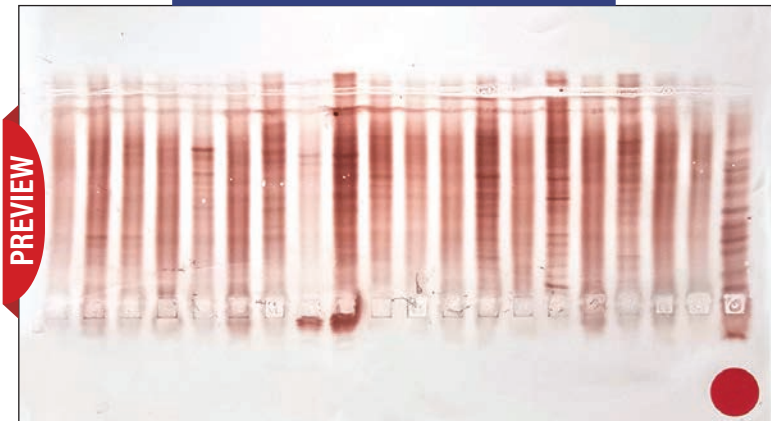
SPIFE Nexus A1AT



In Development Preview SPIFE Nexus IgG IEF

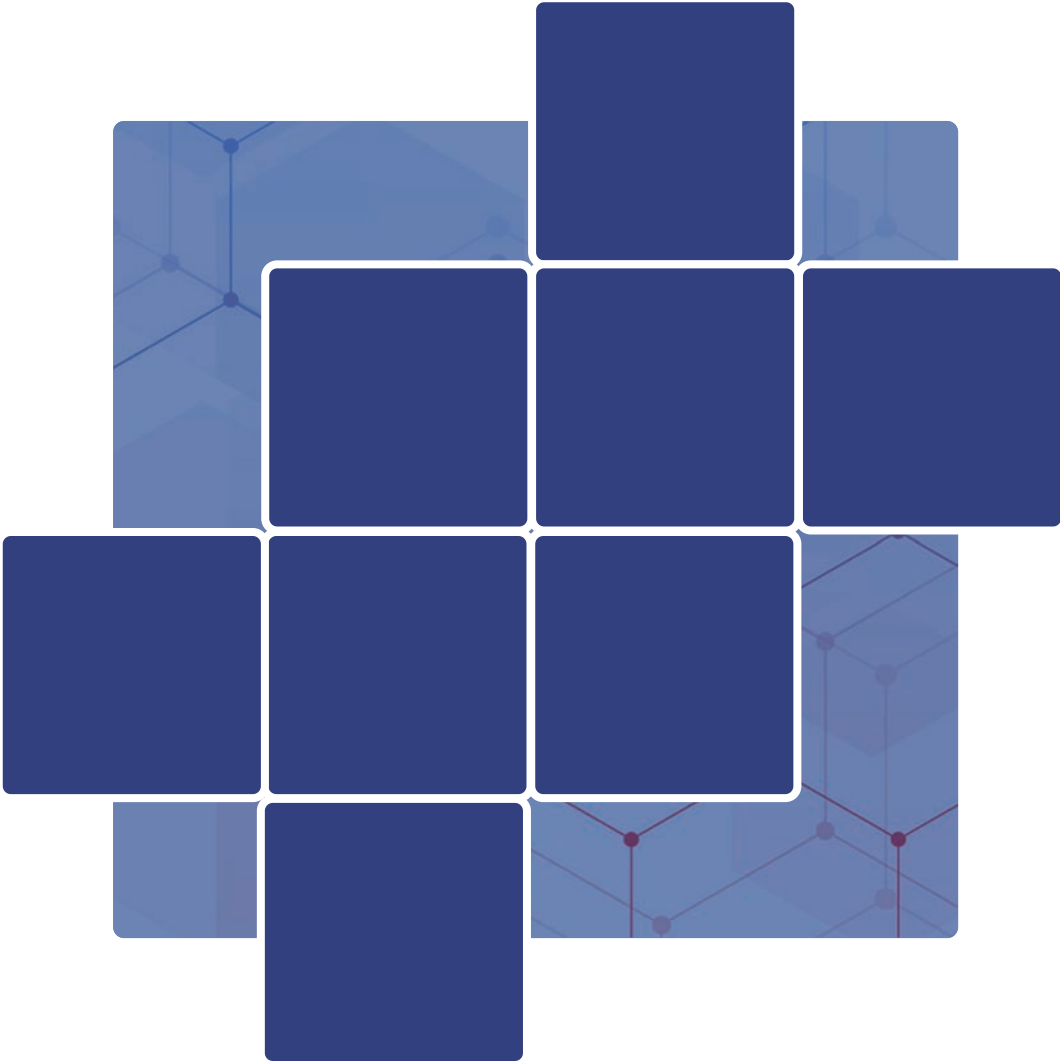
The gold-standard method for detecting intrathecal IgG synthesis is coming soon. The Nexus will perform the electrophoresis portion of this highly sensitive immunoblot assay.

SPIFE Nexus IgG IEF



V8 ULTRACE

AUTOMATED CLINICAL CAPILLARY ELP



NEW! V8 ULTRACE

PREVIEW!

This product is currently not licensed in accordance with Canadian law.



V8 ULTRACE

V8 UltraCE is the next-generation analyzer from Helena — faster, more connected and flexible than ever. With accelerated capillary technology, seamless connectivity to laboratory track systems and Helena's unique integrated gel workflow, no other system comes close to this level of power.

PREVIEW



SCAN TO EXPLORE THE V8 UltraCE.

V8 UltraCE FAST FACTS

80
Proteins/Hour

13
ID/Hour

8
Channels

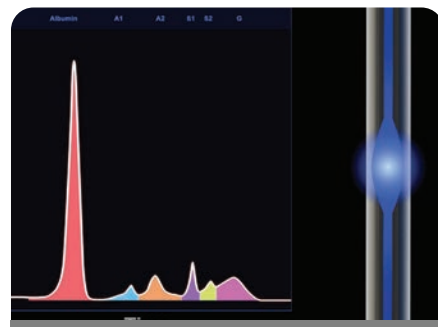
Efficient, walkaway automation.

The Sensitivity Matrix (Delanghe Validation Study)

Immunoglobulin	V8 UltraCE Limit (g/dL)	Sebia Limit (g/dL)	Sensitivity Gain
IgG	0.1	0.5	5x
IgA	0.05	0.5	10x
IgM	0.02	0.5	25x

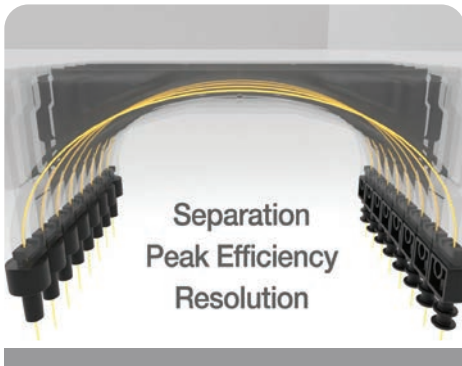
Serial dilution of known M-protein samples confirms the V8 UltraCE achieves an **exponential leap** in sensitivity over legacy capillary systems.

Delanghe JR, Godefroid M, Maenhout T. Validation study of the Helena V8 UltraCE capillary electrophoresis analyser. Clinical Chemistry and Laboratory Medicine (CCLM). Published online January 5, 2026. doi 10.1515/cclm-2025-1523.



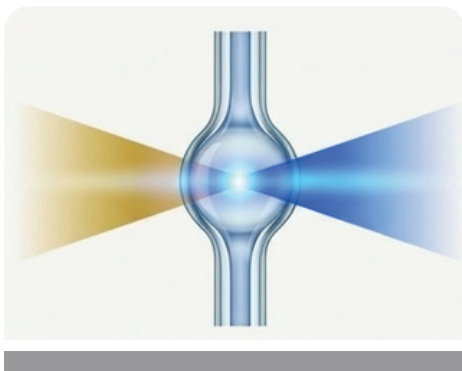
Exceptional Sensitivity

- New Nanocell capillary design delivers 5x greater signal strength and sensitivity
- New array brings active cooling and superior capillary recovery
- New buffer chemistries optimize peak efficiency and maximize resolution
- 112 sample capacity with continuous loading and easy sample recall



Precision Capillary System

- Direct capillary cooling ensures thermal stability for superior reproducibility
- Precision-mounted, long lifespan capillaries click in place for rapid, easy maintenance



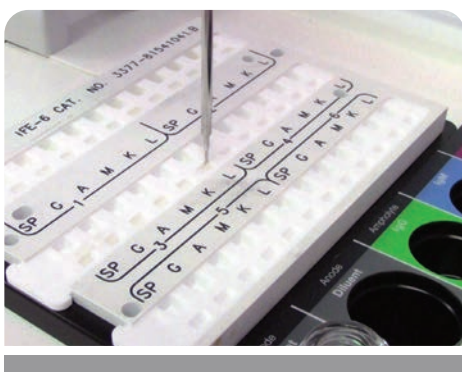
Flex Wave Technology

- LED plus deuterium light source with adjustable wavelengths and parameters minimizes interfering factors and supports customized methods for novel tests



Multiple Method Capability

- 3x run buffer positions
- Automated buffer replenishment
- One buffer bottle purged at a time
- High capacity waste bottle

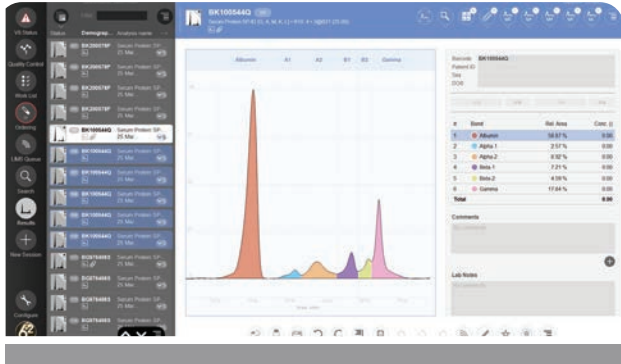


Gel Integration

- Gel tray preparation and rapid wash for protein and ID/IFE
- Custom dilutions per sample
- Integrate capillary SPE results with SPIFE gel data using QuickScan to profile patient's historic results

NEW! V8 ULTRACE

ADVANCED CAPILLARY ELECTROPHORESIS



Power Platinum Software

- Accurate result traces, without software manipulation or algorithmic distortion of peaks
- Clear separation and visualization for confident interpretation
- Powerful interface with instant retrieval of historic data for comparison
- Networked operation and data storage

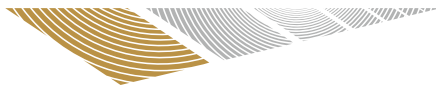


Auto Maintenance

- User-scheduled maintenance – system is ready to go when techs arrive
- Fully automated maintenance procedures
- Automated purging for capillary conditioning
- Auto system check



MAX ULTRACE

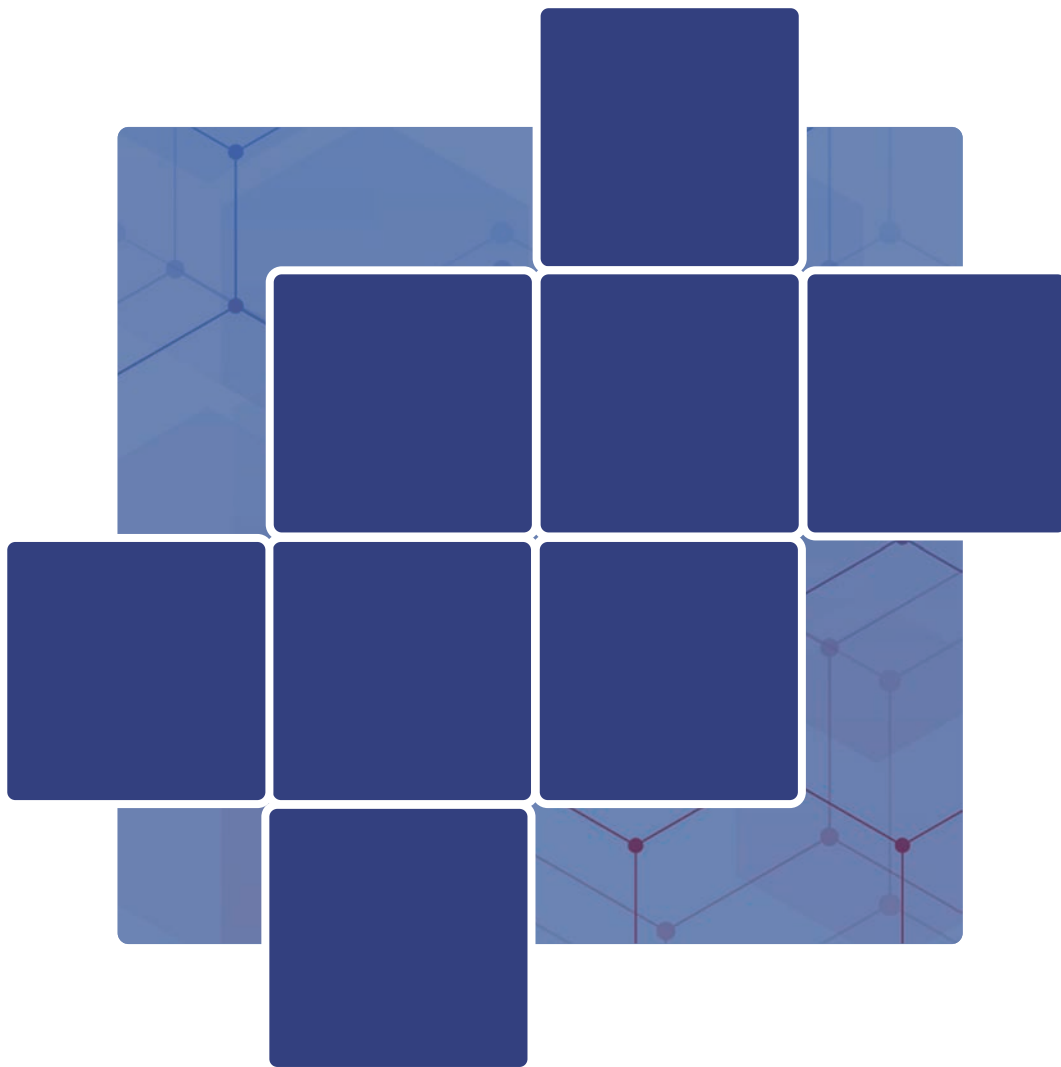


Automated High Volume Sample Handling

- Nexus MAX extends walkaway automation for high throughput CE analysis
- Load an additional 440 samples for automated transfer to the V8 UltraCE
- $440 + 112 = 552$ SPEs in 6.9 hours

TOUCH SERIES

INTEGRATED SOLUTION | BROAD MENU





TOUCH SERIES

The Touch integrated gel ELP system puts the power of touch technology in your hands to knock out all your protein, immunofixation, hemoglobin and cholesterol testing quickly and efficiently. The Touch system is fast and versatile, plus provides integration with the V8 capillary systems for ease in comparing and reviewing current and past results.

TOUCH SERIES

INTEGRATED SOLUTION – HIGH VOLUME

Helena's integrated solution for your electrophoresis workloads.



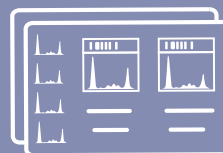
ESH TOUCH
Auto Dilutions



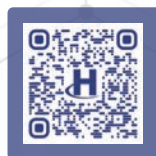
SPIFE TOUCH
Faster Processing



QS TOUCH PLUS
Advanced Reporting



WEBINARS
Interactive Training



SCAN TO
EXPLORE THE
TOUCH SERIES.



The next generation of **Electrophoresis Sample Handler** joins the Touch Series of analyzers as part of Helena's integrated solution for high volume electrophoresis workloads. ESH Touch provides automated front-end specimen processing for the SPIFE Touch with positive patient ID and interface to QuickScan Touch Plus or LIS – in a small, fast, quiet, flexible and user-friendly package.

 **FEATURES**

- Primary tube sampling with liquid level sensor
- Flexible dilutions, i.e. per sample
- User-friendly touch screen interface
- Smaller footprint
- Barcode reader with LIS interface for positive ID
- Fast sample tray preparation
- 100-sample capacity
- Quiet operation



SCAN TO EXPLORE THE ESH TOUCH.

AUTO FRONT-END SPECIMEN PROCESSING

ESH Touch transfers samples directly from primary patient tubes to barcoded sample trays, ready for application to agarose gels by the SPIFE Touch. Its 100-sample capacity accommodates the largest SPIFE Touch gels, plus dilution schemes for each sample can be specified. A touch screen interface makes the system easy to use.

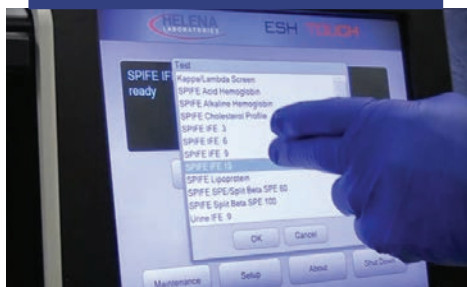
Place Racks into the Instrument



Install a Sample Tray



Select the Test - Push Start



WORKHORSE SOLUTION FOR CLINICAL GEL ELP

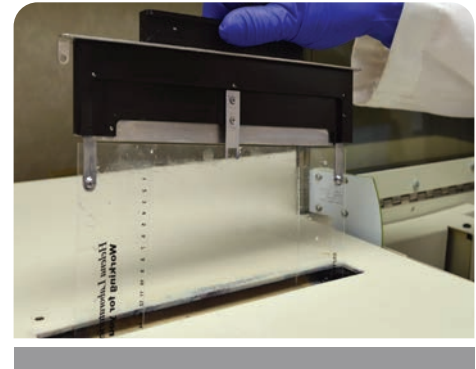
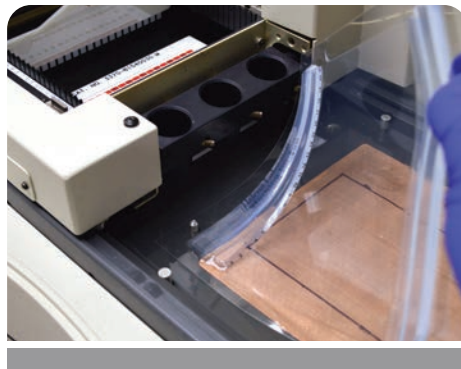
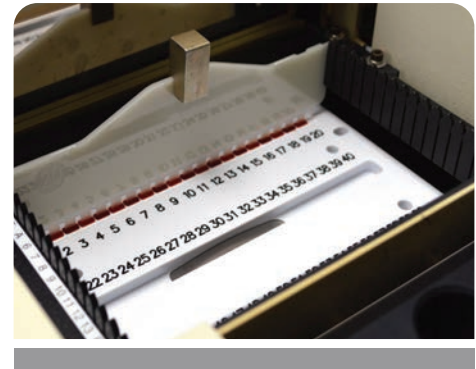
SPIFE Touch is the proven workhorse solution for clinical gel electrophoresis needs. It's versatile and reliable with multiple gel sizes for flexibility. A full menu of analytes includes proteins, IFEs, hemoglobins, direct cholesterol with Lp(a)-c, isoenzymes, lipoproteins, A1AT and oligoclonal banding. A touch screen interface, faster processing and organized workflow mean greater efficiency over other semi-automated electrophoresis analyzers.



SCAN TO EXPLORE THE SPIFE TOUCH.

FEATURES

- Easy-to-use touch screen interface
- Integrates with ESH Touch and QST-Plus for positive sample tracking
- Fast, clean and accurate sampling of up to 100 samples per gel
- Peltier temperature control for sample integrity and crisp separations
- Automatic application of reagents for enzymatic assays or stains for visible analytes
- A full menu of analytes and gel sizes



SPIFE TOUCH FAST FACTS

12 Analytes

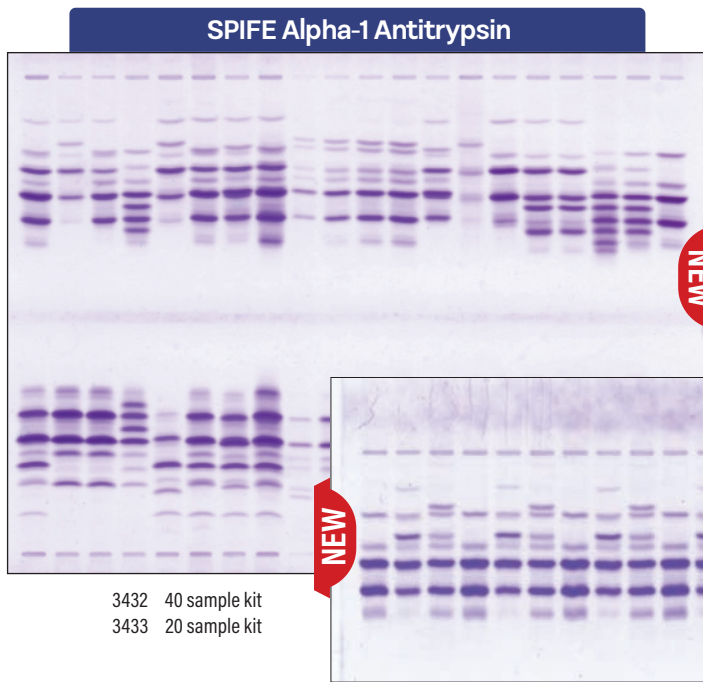
Multiple Gel Sizes

Organized Workflow

Reliable Workhorse

A1AT AND IGG IEF

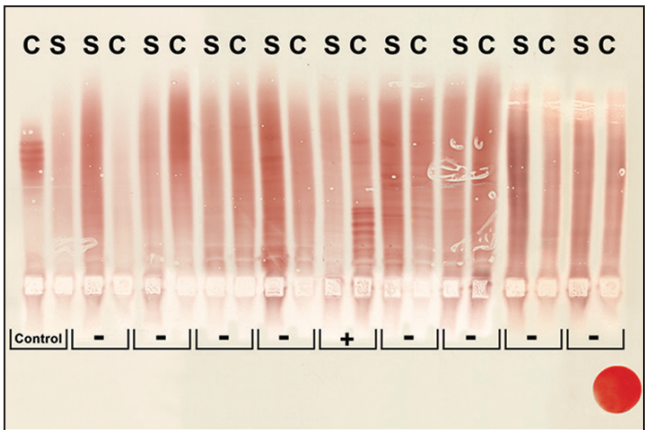
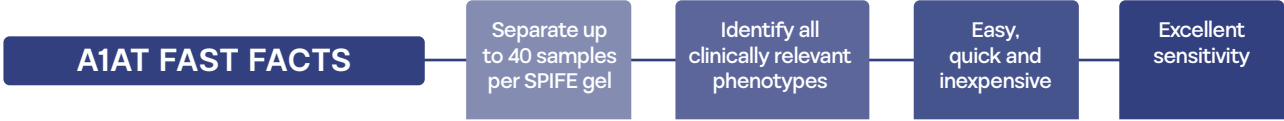
EFFICIENT DIAGNOSTIC TESTING



- American Lung Association recommends all individuals with COPD or emphysema be tested for A1AT deficiency
- SPIFE A1AT assay separates up to 20 or 40 samples per gel
- Identifies all phenotypes clinically relevant to lung and liver disease



SCAN TO EXPLORE THE A1AT ASSAY.



Oligoclonal Banding

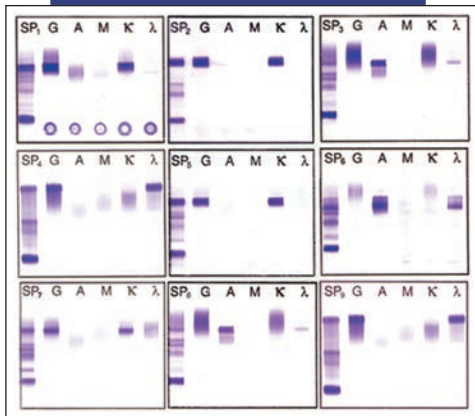
SPIFE IgG IEF technique is the “gold standard” for determining intrathecal IgG synthesis. This method uses highly sensitive immunoblotting resulting in a 95% sensitivity level. The concentration of individual bands may be as low as 2% of the total CSF IgG but can be seen even while the total CSF IgG concentration is within the reference range.



SCAN TO EXPLORE THE IGG IEF ASSAY.

3385 10 profiles
3389 5 profiles

ImmunoFix Profile



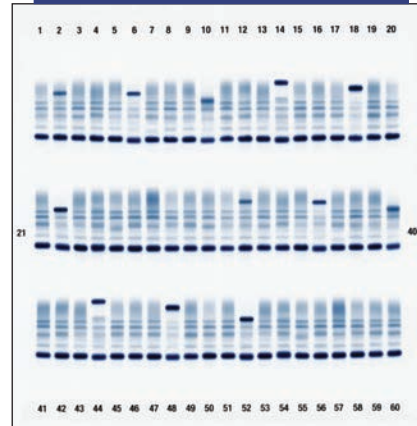
3408	15 profile kit	3406	3 profile kit
3409	9 profile kit	3351	1/2 profile kit
3401	6 profile kit		

- Tight crisp bands
- Simple multi-channel antisera application
- Antisera balanced for highest sensitivity with least blush



SCAN TO EXPLORE
SPIFE TOUCH IMMUNOFIX
ASSAY AND MORE.

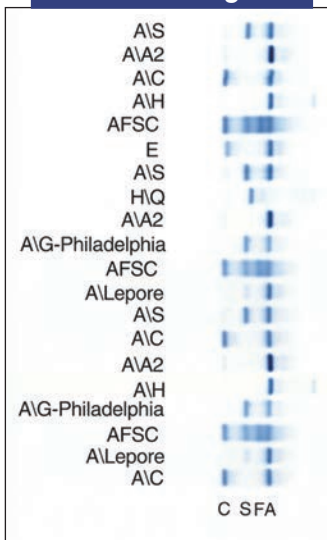
Proteins - Classic or Split



Split-Beta		Classic	
3398	100 sample kit	3460	60 sample kit
3399	80 sample kit	3461	40 sample kit
3420	60 sample kit	3462	20 sample kit
3421	40 sample kit	3405	10/20 sample kit
3422	20 sample kit		
3350	10/20 sample kit		

- Classic 5-band or split beta separations
- Superior resolution and sensitivity
- Serum applied neat; optional concentration of urines
- Gel sizes for every workload – up to 100 samples per gel

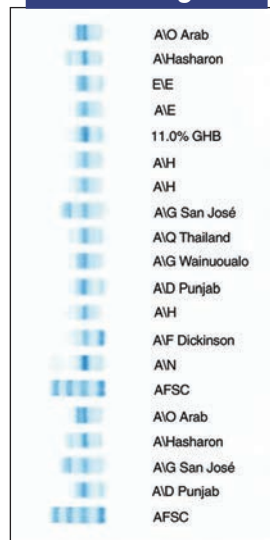
Alkaline Hemoglobin



3415	20 sample kit
3429	10 sample kit

Separations with SPIFE Alkaline Hemoglobin mimic classic cellulose acetate and are the front line for detecting hemoglobinopathies. Use of acid blue stain provides excellent sensitivity and linearity. Precise temperature control improves separation, resolving even problematic Hemoglobin H.

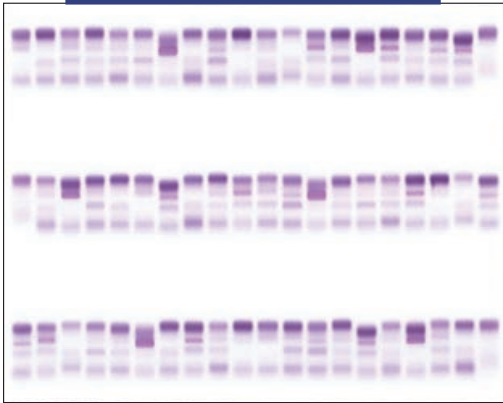
Acid Hemoglobin



3418	20 sample kit
3419	10/20 sample kit

SPIFE Acid Hemoglobin is a much less cumbersome method than conventional citrate agar for characterizing hemoglobinopathies. The use of acid blue stain brings linearity not available with O-Tolidine or O-Dianisidine based systems. Finished gels are stable in storage and will not continue to darken.

Cholesterol Profile



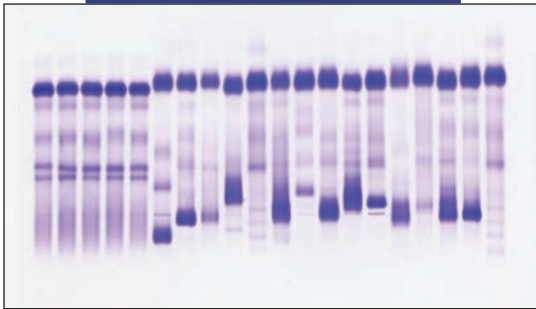
SPIFE Cholesterol measures the cholesterol content of HDL, LDL, VLDL and Lp(a) in a single assay with excellent correlation to ultracentrifugation.

- Lp(a)-c is the single best predictor of high risk plaque and major ischemic events
- Lp(a)-c is unaffected by lipid isoform size making it analytically superior to Lp(a)-mass

New AHA/ACC Clinical Guidelines
Lp(a) testing is now recommended for all adults to establish ASCVD risk and guide treatment goals. Cascade testing may also be beneficial.

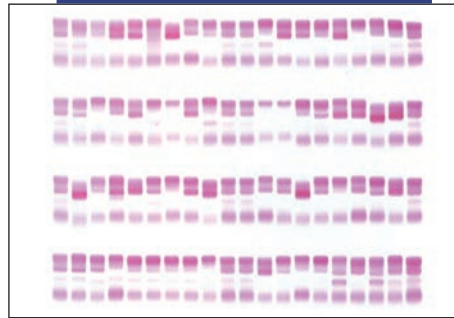
3438	100 sample kit	3441	40 sample kit
3439	80 sample kit	3442	20 sample kit
3440	60 sample kit	3443	10 sample kit

Hi-Res Proteins



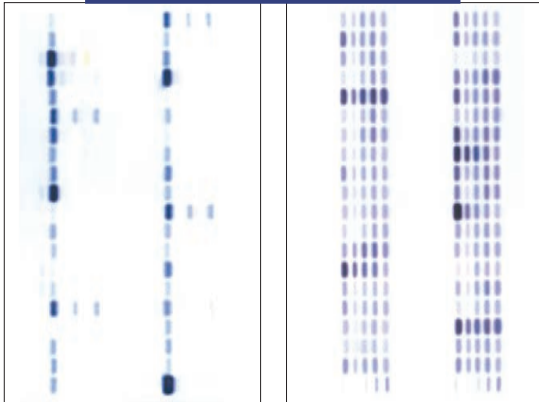
3430 20 sample kit

Lipoprotein Separation



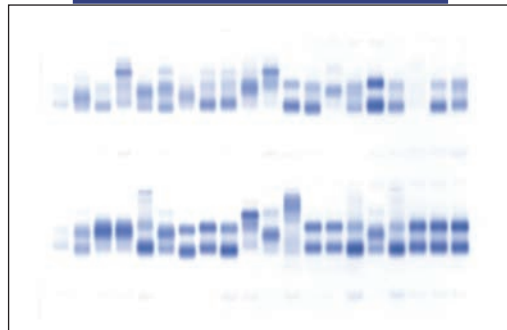
3340	80 sample kit	3343	20 sample kit
3341	60 sample kit	3344	10 sample kit
3342	40 sample kit		

CK and LD Isoenzymes



3332	40 sample kit	3335	60 sample kit
3333	20 sample kit	3336	40 sample kit
3334	10/20 sample kit	3337	20 sample kit
		3338	10/20 sample kit

Alkaline Phosphatase



3346	40 sample kit
3345	20 sample kit

QUICKSCAN TOUCH[®]

PLUS

DENSITOMETRY & DATA MANAGEMENT WITH REMOTE REVIEW

NOW Windows 11 Compatible!



The **QuickScan Touch Plus** includes a more powerful SQL database format and optional server for enhanced data management. Data from multiple Helena systems, including gel and CE, can be electronically paired for interpreting, reviewing and tracking of results. Historic data from competitive systems can be imported.

IMAGING AND QUANTITATION

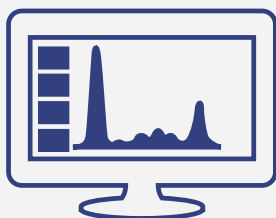


SCAN TO EXPLORE THE QUICKSCAN TOUCH PLUS.

FEATURES

- Auto M-spike delimiting provides user-to-user consistency
- Barcoded gels allow positive ID from patient tube to final results with LIS interface
- Full network capability to view results at multiple locations
- Composite key identifier created from two demographic fields
- Cybersecurity enhancements to improve network compatibility
- User customizable Worklist and Review screens
- Customizable IFE lane labels to match any fixative/antisera profile
- Dual-scan test type added for one-time scanning of gels containing both serum and urine specimen types on the same gel

Myeloma Tracking Module - Unify Gel and CE Results



This option unifies each patient's current and historical electrophoresis and supportive data into a single portal for interpreting, tracking and reviewing results



See Myeloma Module demo in action at helena.com

New options for diverse workflows!

DENSITOMETRY & DATA MANAGEMENT

Myeloma Module Tracking Option



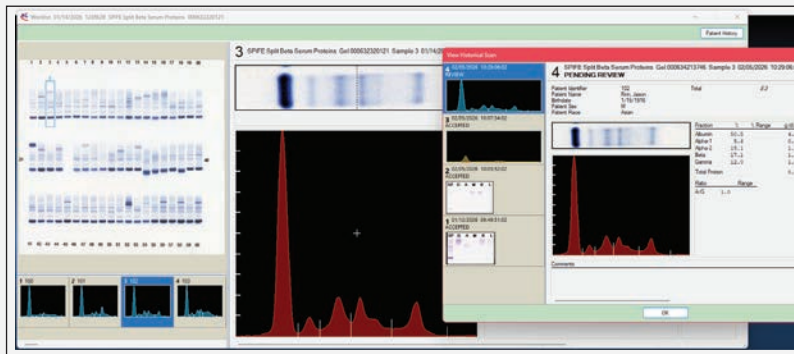
The Myeloma Module is an optional tracking feature that allows quick review and reporting of results from both the SPIFE gel and the V8 CE systems.

Folders in the Myeloma Module provide convenient organization for all stages in the editing, review, and release process.

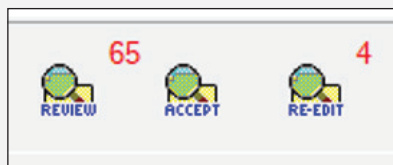
See everything in one place -
Each patient's current results are auto-paired with their previous data from a virtually unlimited data store, including competitive system data. Available total protein, albumin, free light chain ratio and nephelometric data can also be incorporated for review. If it's paired, it's there.

Scroll through to spot changes -
Patient history is presented as scrollable thumbnails to quickly detect progression or regression of disease.

New QST+ Features to Fit Every Lab's Workflow

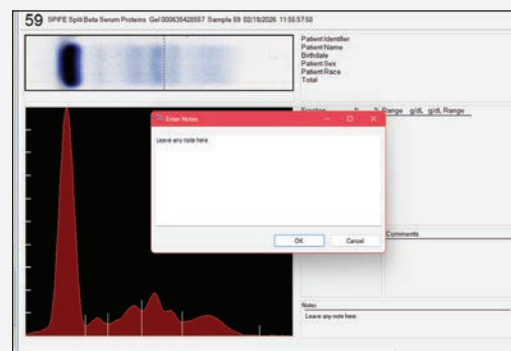


Patient historical scans are now also accessible during editing of an original Worklist



Myeloma Folder Number Bubbles

- Option to categorize scans in Re-Edit folder
- Improved organization and ease of adding comments and interpretations
- Message flags are now displayed in patient history thumbnails

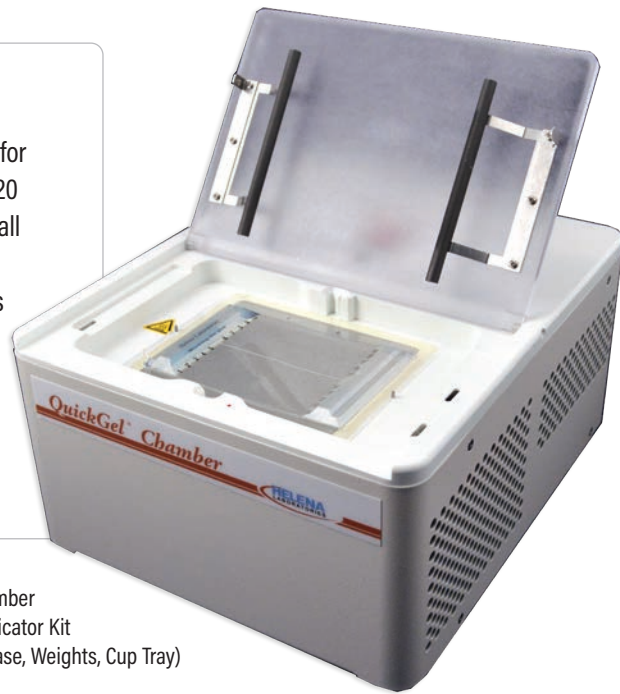


Notes Region for Internal Use

IDEAL FOR SMALL RUNS

The QuickGel Chamber

QuickGel manual electrophoresis products are ideal for small runs and low volume testing, separating 10 to 20 samples per run efficiently and cost effectively. Like all of Helena's premium agarose gels, **QuickGels** have built-in buffer blocks for ease of use and separations that are crisp and clear. The QuickGel Chamber features a cooled electrophoresis platen and built-in carbon electrodes. The QuickGel Chamber also serves as an incubator and dryer by simply changing out the lid.



SCAN TO EXPLORE THE QUICKGEL CHAMBER AND ASSAYS.

- 1284 QuickGel Chamber
- 1274 QuickGel Applicator Kit (Applicator, Base, Weights, Cup Tray)

QuickGel Assays

- Cholesterol Profile
- CK Isoenzymes
- LD Isoenzymes
- Alkaline Hemoglobins
- Acid Hemoglobins
- Immunofixation
- Proteins, Split-Beta
- Proteins, Classic
- Lipoprotein



Titan Plus Power Supply

Recommended for use with the QuickGel Chamber is the completely solid state **TITAN Plus Power Supply**. A synchronous timer assures precise control with automatic end-of-run signal and shut-off.

RECOMMENDED

- 1504 TITAN Plus Power Supply, 110V
- 1505 TITAN Plus Power Supply, 220V



3505 10/20 sample kit
3505T 10/20 sample kit



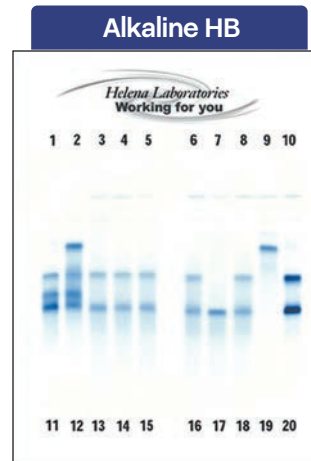
3550 10/20 sample kit
3550T 10/20 sample kit



3551 1 or 2 profile kit
3551T 1 or 2 profile kit



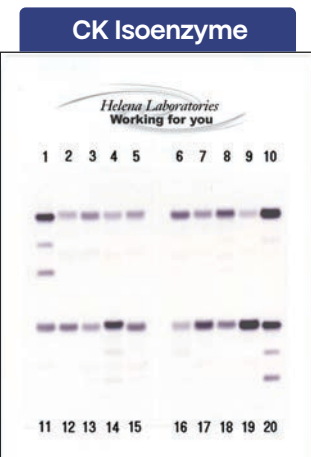
3519 10/20 sample kit



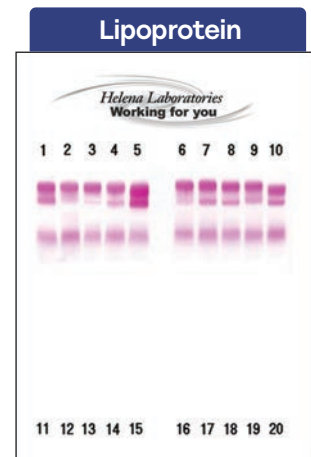
3529 10 sample kit
3529T 10 sample kit



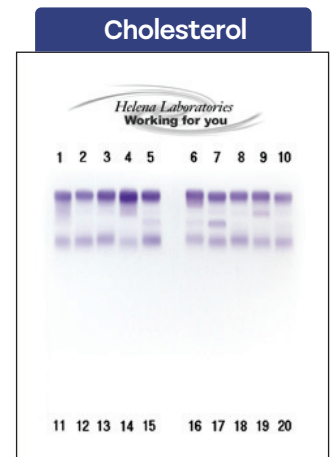
3538T 10/20 sample kit



3534T 10/20 sample kit



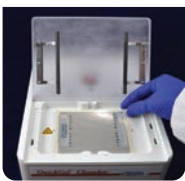
3544T 10 sample kit



3543T 10/20 sample kit

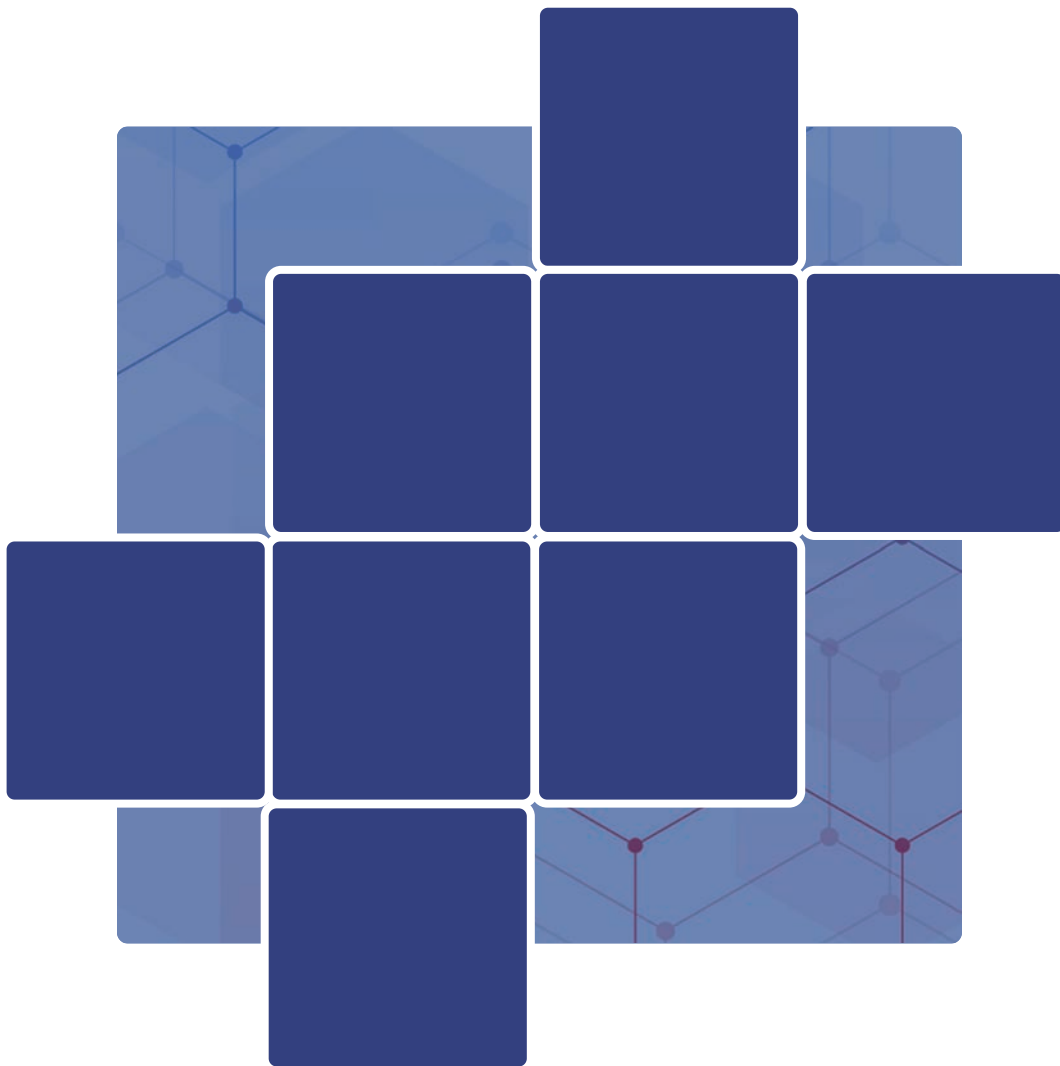
SPECIFICATIONS

Kits contain gels and supplies for 10 samples per gel. Additional applicators are available for up to 20 samples per gel on most assays. "T" indicates template application kits.



HEMOSTASIS

PLATELETWORKS | ACTALYKE | AGGRAM





HEMOSTASIS

Helena is dedicated to providing the medical community with reliable technology to improve patient care at the point of care and in the laboratory. Our specialties include heparin monitoring and platelet function screening.



SCAN TO
EXPLORE HELENA
PLATELETTWORKS.

Plateletworks effectively determines functional platelet count and true platelet aggregation or inhibition using traditional ADP, Collagen or Arachidonic Acid agonists at the point of care. All that's needed is an impedance cell counter and Plateletworks can expediently screen for anything affecting platelet function whether mechanical or induced.

FAVORABLE REIMBURSEMENT

FEATURES

- Reduces unnecessary platelet usage
- Detects effects of anti-platelet therapies
- Fast results with functional platelet count plus aggregation/inhibition % activity
- Favorable reimbursement
- Excellent pre-surgical and trauma screen
- Uses traditional ADP, Collagen and Arachidonic Acid agonists

Plateletworks Testing In Three Easy Steps

1

Add fresh whole blood to EDTA baseline and one or more agonist tubes



2

Perform cell count on each tube



3

Compare total platelet count to functional count in under 10 minutes



In Practice: Large Multi-Center Study

- 12 major hospitals across Canada
- 7,402 patients undergoing cardiac surgery



- Intervention group of 3,847 patients
- Control group of 3,555 patients

RESULTS: Using Plateletworks as an integrated transfusion algorithm reduced RBC transfusions by 13%, platelet transfusions by 24%, and reduced episodes of major bleeding.

Karkouti K, et al. Circulation. 2016; 134: 1152-62.

Total Functioning Platelet Count Guidelines*

Patient/Procedure	PLT Count	Recommend PLT Transfusion
Cardiac Surgery with Bypass	Non-Thrombocytopenic	No
	Thrombocytopenic/ Platelet Dysfunction	Yes
Hospitalized Adult Patients	<10 x 10 ⁹ cells/L	Yes
Venous Catheter Placement	<20 x 10 ⁹ cells/L	Yes
Diagnostic Lumbar Puncture	<50 x 10 ⁹ cells/L	Yes
Major Nonneuraxial Surgery	<50 x 10 ⁹ cells/L	Yes

*Kaufman R, et al. Ann Intern Med. 2015; 162 (3): 205-213.

Platelet Aggregation Results

Collagen	ADP	AA	Interpretation
Normal	Normal	Normal	No significant effects of anti-platelet drugs or factors
Abnormal	Abnormal	Normal	Probable ADP inhibitor or anti-IIb/IIIa present
Abnormal	Abnormal	Abnormal	Probable ADP inhibitor or anti-IIb/IIIa with probable COX-1 inhibitor
Abnormal	Normal	Abnormal	Probable COX-1 inhibitor
Abnormal	Normal	Normal	Probable fibrinolysis or adhesion defect

5860 Plateletworks ADP Kit

- 25 ADP Agonist Reagent Tubes
- 25 EDTA Baseline Tubes

5862 Plateletworks Collagen Kit

- 25 Collagen Agonist Reagent Tubes
- 25 EDTA Baseline Tubes

5864 Plateletworks Arachidonic Acid Kit

- 25 Arachidonic Acid Agonist Reagent Tubes
- 25 EDTA Baseline Tubes

5850 Plateletworks Combo-15 Kit

- 15 ADP Agonist Reagent Tubes
- 15 Collagen Agonist Reagent Tubes
- 15 EDTA Tubes Baseline Tubes

5852 Plateletworks Combo-25 Kit

- 25 ADP Agonist Reagent Tubes
- 25 Collagen Agonist Reagent Tubes

5854 Plateletworks Combo-10 Kit

- 10 ADP Agonist Reagent Tubes
- 10 Collagen Agonist Reagent Tubes
- 10 Arachidonic Acid Agonist Reagent Tubes
- 10 EDTA Baseline Tubes

ACTALYKE® MINI II & XL

ACTIVATED CLOTTING TIME



SCAN TO EXPLORE
ACTALYKE INSTRUMENTS
AND REAGENTS

The **MINI II** is the simplest, least expensive ACT instrument available, yet it retains high sensitivity, 2-point clot detection for greatest reliability. Performance, linearity and CVs are excellent. It's ideal for use in the catheterization lab, dialysis or the surgical suite. Optional battery pack available.

6" Footprint - The MINI II features a very small footprint, but has a very large high visibility screen. Operation of the MINI II is extremely simple. Just insert the ACT reagent tube containing whole blood and push the button.

Full Cross-Compatibility - The MINI II is fully compatible with all ACT tubes. Helena offers a full line of Actalyke ACT tubes, including traditional glass bead, kaolin and celite, plus new MAX-ACT.

- 5753 Actalyke Mini II Analyzer with printer, 110/220V
- XL-ECT Actalyke Electronic Clotting Tube
- 5754 Actalyke Mini II Battery Pack
- 5755 Actalyke Mini II (no printer)

ACTALYKE MINI II

FEATURES

- 2-point clot detection
- Optional battery pack
- Simple operation
- Large, high-visibility display
- Fully compatible with all ACT tubes
- Easy clean, removable tube holder
- Lightweight; small 6-inch footprint

- MAX-ACT MAX-ACT Reagent Tubes (50/box)
- G-ACT Glass Bead ACT Reagent Tubes (50/box)
- K-ACT Kaolin ACT Reagent Tubes (50/box)
- C-ACT Celite ACT Reagent Tubes (50/box)



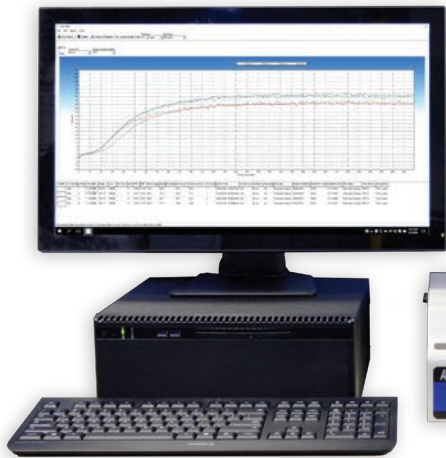
All premier Actalyke systems use a two-point clot detection mechanism - one at 0° and another at 90°. This two-point system enables **Actalyke XL** to detect a clot at early fibrin formation and is less affected by clot stability. As the clot forms, the magnet travels away from detector 1 toward detector 2. Once it reaches the 46° threshold, the detectors in tandem signify an endpoint. The end result is greater test reliability, especially on highly heparinized and diluted samples.

- 5770 Actalyke XL Analyzer, 110/220V
- 5758 Actalyke XL Barcode Reader and Cable
- 5759 Actalyke XL Battery Pack

FEATURES

- Dual Test wells
- Dual clot detection
- Biological & electronic QC functions
- QC functions with lockout options
- Three user security levels
- Demographic storage
- Data storage on disk
- Touch screen interface
- Optional bar code reader for patient ID entry

ACTALYKE XL



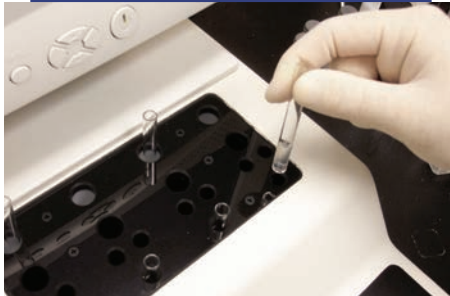
1484 AggRAM Analyzer
1486 AggRAM Module

The **AggRAM** platelet aggregation system couples four-channel laser-optic modules with a sophisticated but simple interface and powerful HemoRAM software and data handling features. Up to three modules can be run per HemoRAM Analyzer computer, providing up to twelve channels to handle tough workload demands or multiple agonists and/or agonist concentrations. Laser diode technology in conjunction with an improved algorithm for slope calculation provide exceptional precision for ristocetin cofactor testing. Easily generate Levey-Jennings charts, standard curves, etc. with an integral action log and evaluate and chart quality control for ristocetin cofactor based on Westgard rules.

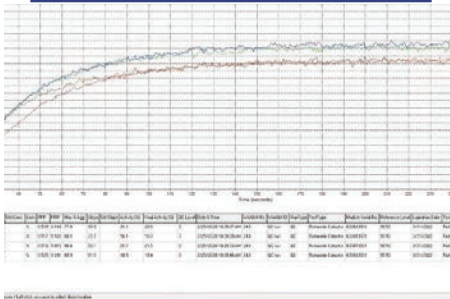


SCAN TO EXPLORE THE AGGRAM ANALYZER

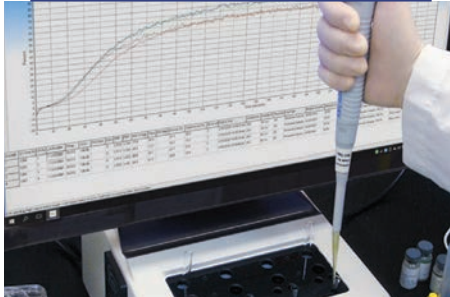
Data Handling Features



Customized Reports



Quality Control



FEATURES

- On-screen prompts step users through testing
- Multi-window viewing greatly increases efficiency
- Barcode and LIS capabilities
- Three password levels, from user to administrator
- Quick access to data input screens
- Automatically calculates slope and max percent aggregation
- Displays/prints lag phase
- Can automatically calculate and smooth curves
- Reference overlay capability



AggRAM is complemented by a full line of Helena reagents for platelet aggregation and ristocetin cofactor, plus assayed reference plasmas. Reagents can be validated on other analyzers and technologies.



AggRam Platelet Aggregation Reagents

Helena's platelet reagents provide outstanding stability and performance. Reagents are optimized for use with AggRAM, but may be used on any turbidometric aggregometer of similar quality.

- 5364 Arachidonic Acid, 2 x 1 mL
- 5366 ADP, 2 x 1 mL
- 5367 Epinephrine, 2 x 1 mL
- 5368 Collagen, 2 x 1 mL
- 5369 Platelet Aggregation Kit (5366, 5367, 5368)
- 5199 Ristocetin (for RIPA), 10 x 0.5 mL
- 5365 Tris-Buffered Saline, 1 x 125 mL



Ristocetin Cofactor Reagents

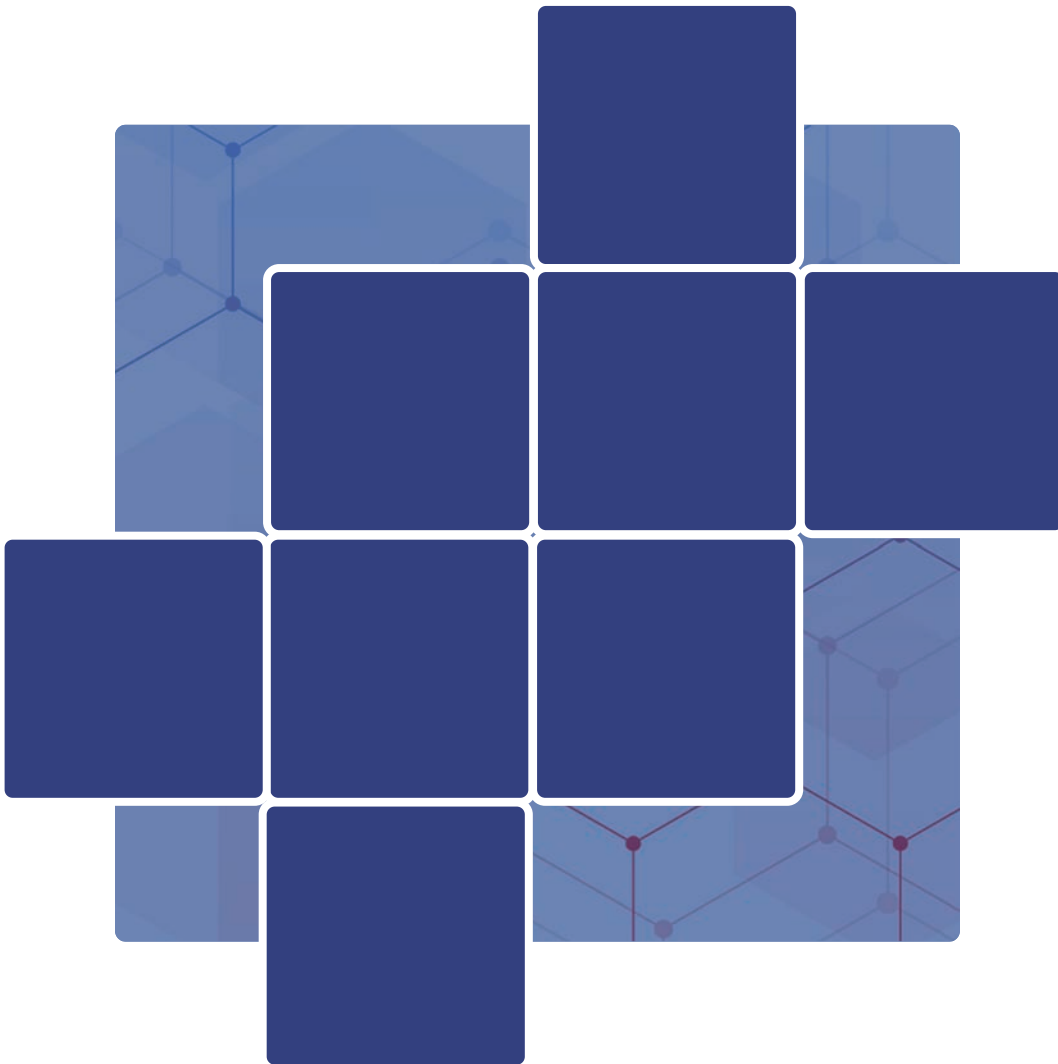
Ristocetin Cofactor is more sensitive than RIPA to mild reductions in vWF and is more often used to monitor therapy in vWD patients. Kit includes ristocetin, formalinized platelets, S.A.R.P., abnormal control and tris-buffered saline.

- 5370 Ristocetin Cofactor Kit, 50 tests
- 5371 Lyophilized Platelets, 5 x 5 mL
- 5373 Ristocetin Cofactor Abn Control, 5 x 0.5 mL
- 5372 Ristocetin (10 mg/mL), 5 x 1.5 mL
- 5365 Tris-Buffered Saline, 1 x 125 mL
- 5356 Lyophilized Platelets, 5 x 10 mL



FOBT

OCCULT BLOOD TESTING



ColoScreen-ES



Leading medical institutions enjoy great performance, and even greater savings, with ColoScreen and ColoScreen-ES occult blood tests.

ColoScreen-ES is an extra-sensitive (0.3 mg/g feces) guaiac test with vivid color development for easier interpretation.

- 5086 100 ES Singles Lab Pack
- 5085 80 ES Triples w/Mailer
- 5088 ES Developer, 20 x 15 mL



SCAN TO EXPLORE HELENA'S OCCULT BLOOD PRODUCTS.

ColoScreen



ColoScreen offers the sensitivity and specificity of traditional guaiac methods (10 mg/g) at a lower cost.

- 5076 1000 Singles Lab Pack
- 5072 100 Singles Lab Pack
- 5077 Developer, 20 x 15 mL
- 5078 Developer, 50 x 2 mL
- 5073 80 Triples w/Mailer
- 5079 Perforated Tape/Developer

American Cancer Society Guidelines for Colorectal Cancer



"Screening beginning at age 45 for adults of average risk will save more lives."

Recommended Screening Options

Visual exams:

- Colonoscopy every 10 years
- CT colonography every 5 years
- Flexible sigmoidoscopy every 5 years



Stool-based tests:

- Annual high-sensitivity guaiac FOBT
- Annual fecal immunochemical test
- Multi-targeted stool DNA test / 3 years

CA: A Cancer Journal for Physicians. May 30, 2018.



Helena is Here to Serve You

Visit us at our new website!

We are excited to share the refreshed Helena Laboratories website, thoughtfully redesigned to create a simpler, more intuitive experience for our laboratory partners. Visitors can now enjoy improved mobile compatibility, a more streamlined educational content directory, easier access to procedural inserts and SDS downloads, and many other user-friendly enhancements.

Our quality products and services are available worldwide.



MAILING ADDRESS

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