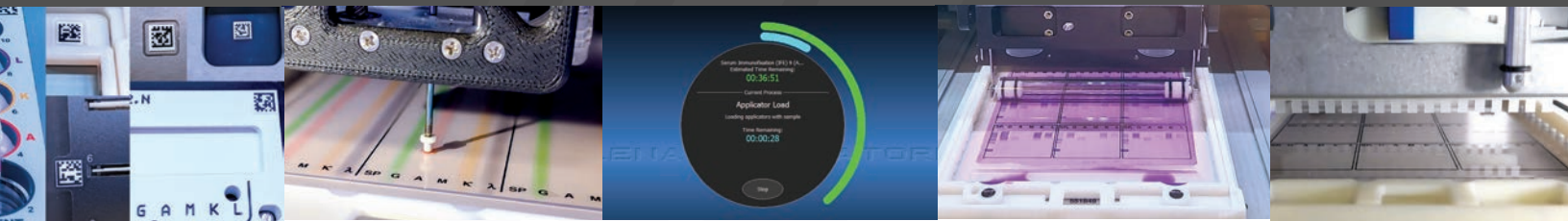
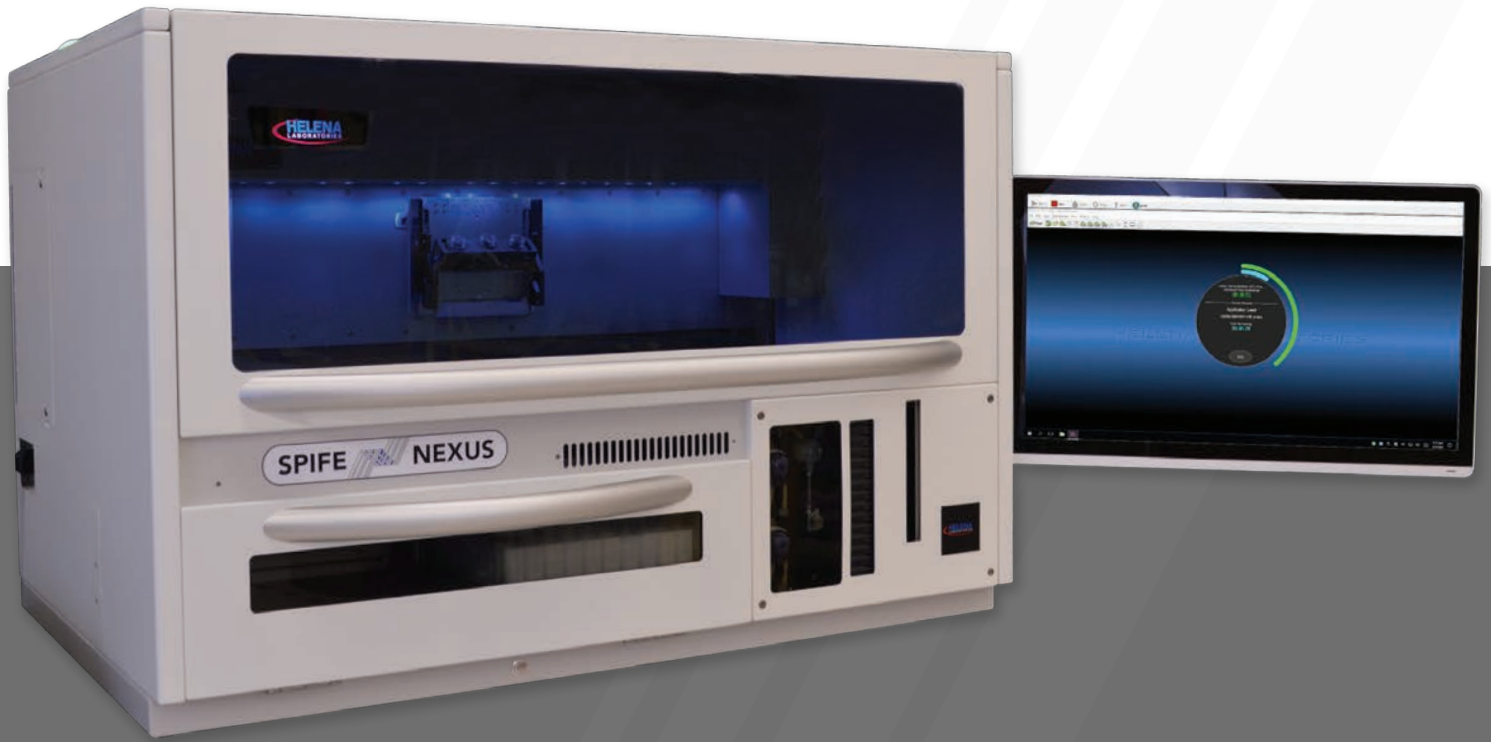


# SPIFE NEXUS

FULLY AUTOMATED GEL ELECTROPHORESIS





The New **SPIFE Nexus** is transformative technology for gel electrophoresis. We've taken the expertise gleaned from sixty years in the field, added five years of intentional engineering, and created a solidly reliable system that advances automation and ease of use.

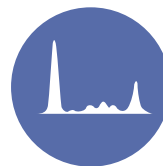
Based on our full-sized SPIFE agarose gel platform, SPIFE Nexus reimagines all processing steps from sample handling to final results, with linking to capillary results as well.



Load reagents and  
up to 100 samples



Hit Start  
and walk away



Beginning to end  
automation

## All the Sensitivity of Immunofixation Without All the Labor

With SPIFE Nexus, laboratories need not compromise high sensitivity to bridge the gap of high labor costs and fewer skilled workers. SPIFE Nexus totally transforms immunofixation into a fully automated assay while preserving the full 1-5 mg/dL sensitivity of gel IFE vs 25 mg/dL for CE.

Features include just a five minute setup per run, auto error checking, revolutionary antisera and reagent application, a full menu of tests and stunning results!

## ADVANCED IFE TECHNOLOGY

Uniform Sample Application and Clear Background

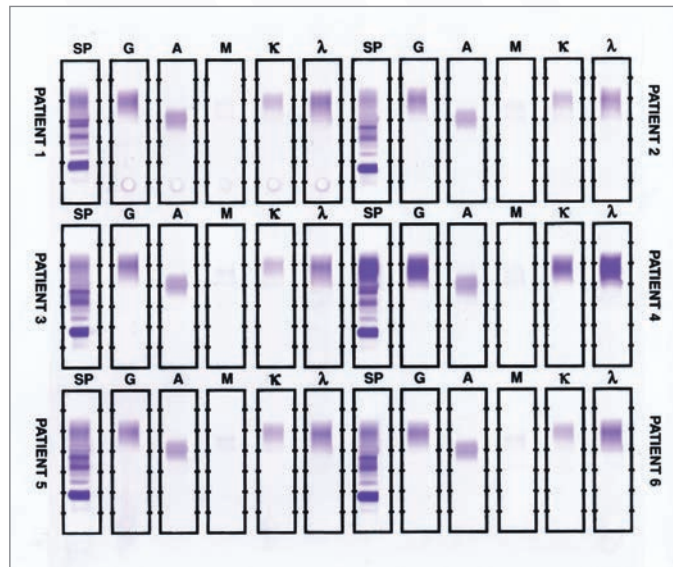
Engineered blade applicators with micro-serrated tips for consistent patterns

Auto sampling from primary tubes with customizable dilution schemes

Antisera auto-applied for up to 15 profiles without templates or cross contamination

Unique dual blotter system removes unbound antisera for cleaner, easier to interpret patterns

Clear Wash provides clean backgrounds and prevents ghosting from macro proteins



## SPIFE NEXUS FAST FACTS

100

One to 100 SPEs per gel

15

IFE profiles in 90 minutes

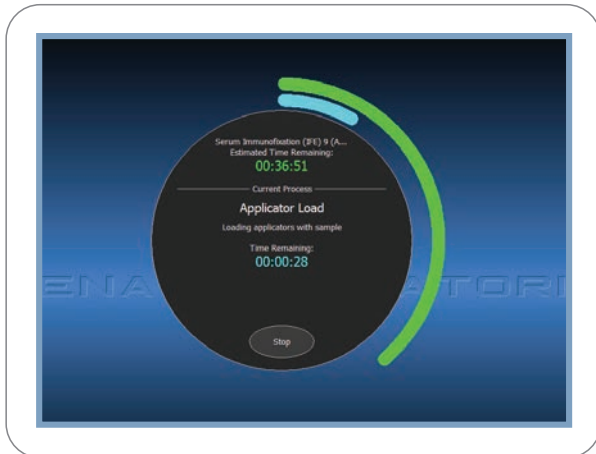
500

SPEs in 8 hours

5

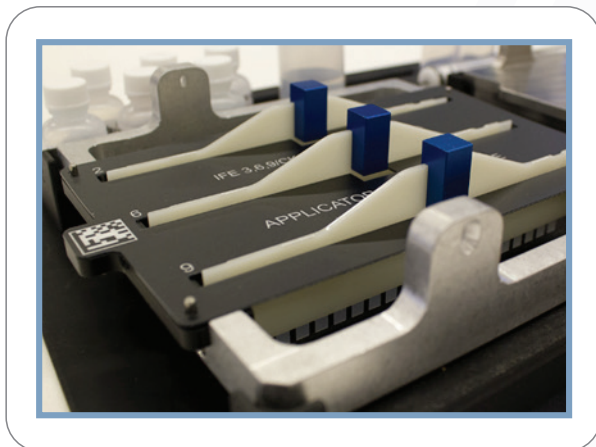
Minute setup per run

## Full Automation for Walkaway Processing and Analysis



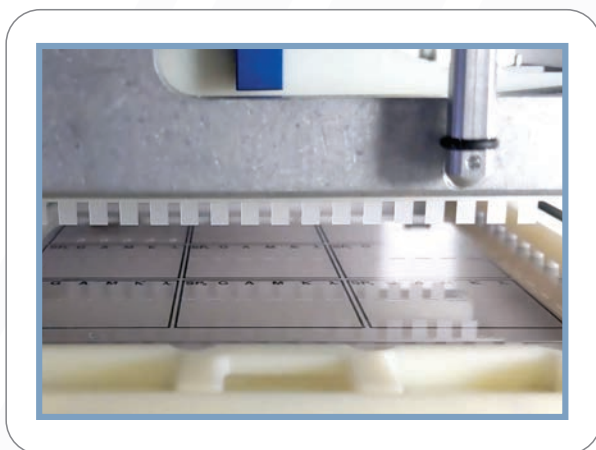
- Load reagents and samples and walk away
- All gel processing and scanning are automated
- Visual status updates for monitoring at a glance

## User-Friendly with Error Checking



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

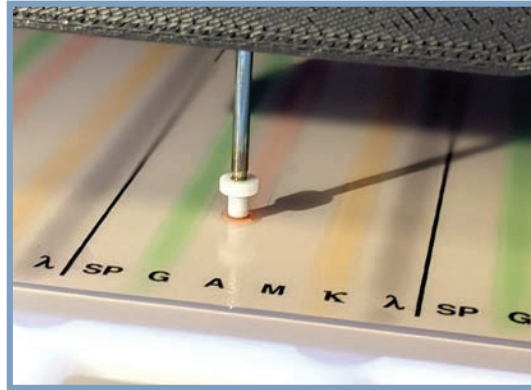
## Auto Sampling and Application



- 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

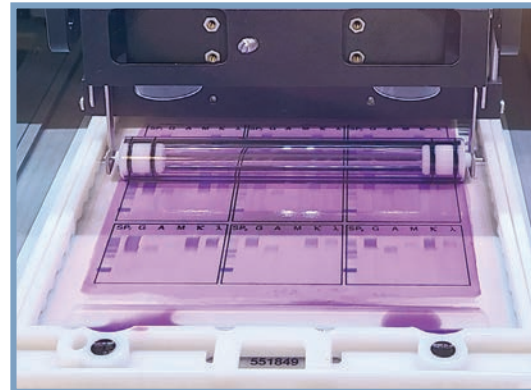
## Revolutionary Antisera Application System

- Ready-to-use, color-coded antisera in temperature controlled on-board storage
- Antisera for up to 15 profiles applied directly to gel
- No crossover contamination



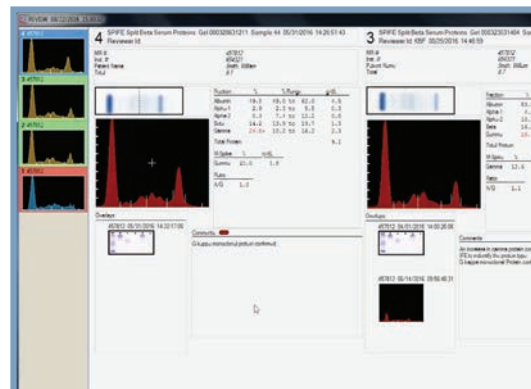
## Ready-To-Use Pre-Packaged Stains

- Liquid stain, ready to be aliquoted for use
- Stain is evenly distributed with roller bar
- Uses micro volumes to reduce waste and increase efficiency



## Integrated Reporting With Myeloma Module

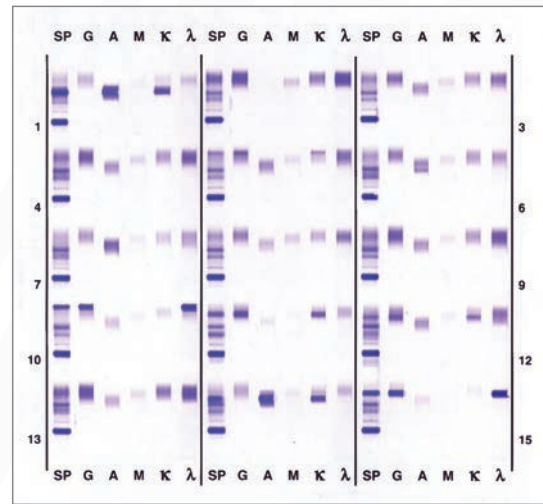
- QuickScan Touch Plus on-board for precise quantitation
- Links to V8 Nexus CE data
- Myeloma Module provides full report profile for rapid review and reporting





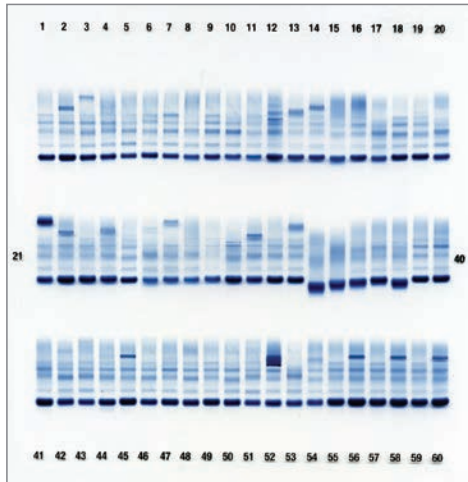
## Available Assays

- Serum/Urine Immunofixation
- Serum/Urine Proteins
- Alkaline Hemoglobins
- Acid Hemoglobins
- **New** CK Isoenzymes
- **New** LD Isoenzymes
- **New** Alkaline Phosphatase Isoenzymes
- **New** Cholesterol Profile with Lp(a)-c



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

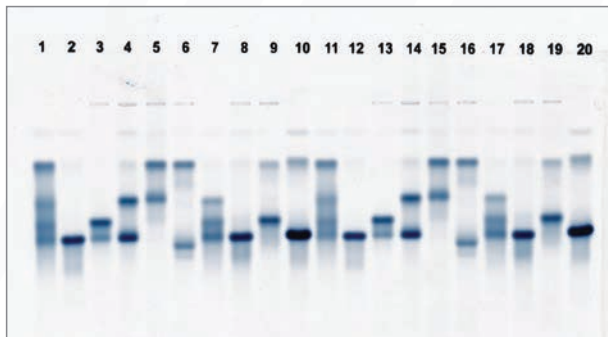
**SPIFE Nexus  
ImmunoFix**



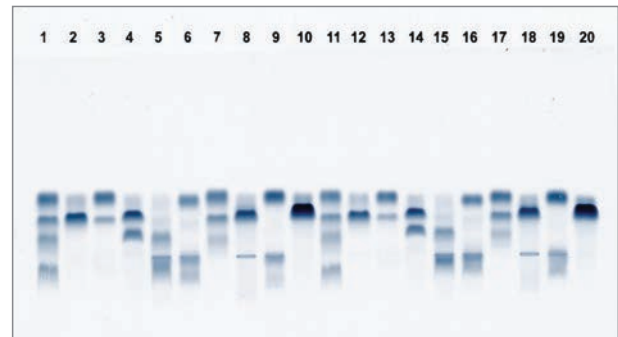
**SPIFE Nexus  
Split-Beta Proteins**

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



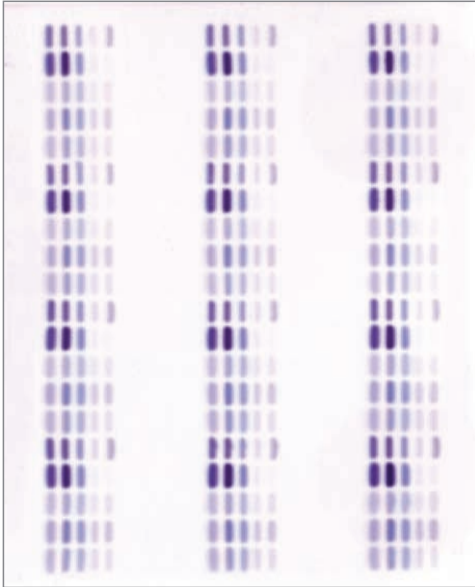
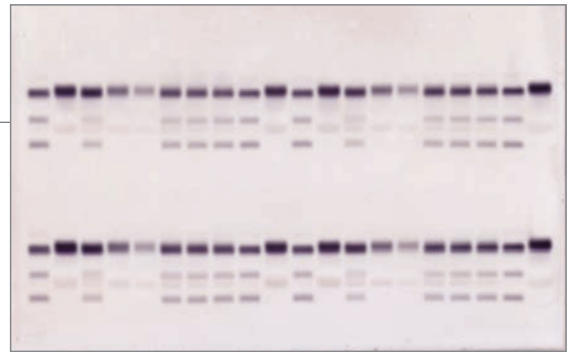
**SPIFE Nexus  
Alkaline Hb** | 2415 20 sample kit



**SPIFE Nexus  
Acid Hb** | 2418 20 sample kit

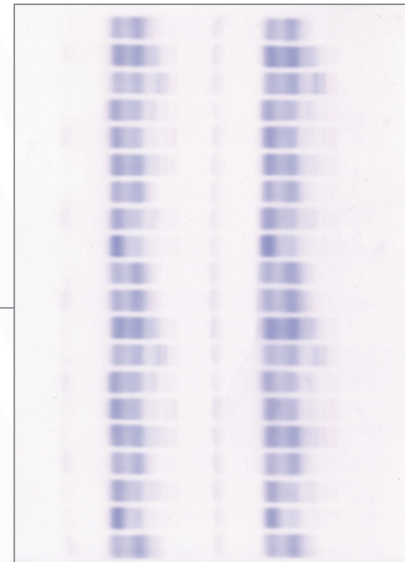
2332 40 sample kit  
2333 20 sample kit

**SPIFE Nexus  
CK Isoenzymes**



**SPIFE Nexus  
LD Isoenzymes**

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



**SPIFE Nexus  
ALP Isoenzymes**

2346 40 sample kit  
2345 20 sample kit

**SPIFE Nexus  
Cholesterol**

2438 100 sample kit  
2439 80 sample kit  
2440 60 sample kit  
2441 40 sample kit



**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 distinguishing between LDL-c and Lp(a)-c is vital to appropriate diagnosis and treatment.

The devices advertised in this catalog may not have been licensed in accordance with Canadian law.



www.helena.com | helena@helena.com

800-231-5663



EXPLORE THE VIDEO DEMO

**SPIFE Nexus Dimensions:**

29" (53.3 cm) H x 41" (104.1 cm) W x 31" (78.8 cm) D

**Monitor and Keyboard:**

23" (58.4 cm) H x 14" (35.6 cm) W x 16" (40.6 cm) D

**Total Weight:** ~250 lbs (113.4 kg)

**Environment:** 15° to 27° C (59° to 80.6° F)

**Operating System:** Microsoft® Windows® 10

*\*Windows is a registered trademark of Microsoft Inc.*

**Input Power:**

100 to 120 VAC at 16 Amps Max/

200 to 264 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

**Pre-Drying Temperature Range:**

30° to 62° C

**Final Drying Temperature Range:**

30° to 65° C

**Test Tubes:**

12-16 mm diameter, 75-100 mm height

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