



V8  **NEXUS**

Automated Clinical Capillary Electrophoresis

V8 NEXUS >>>

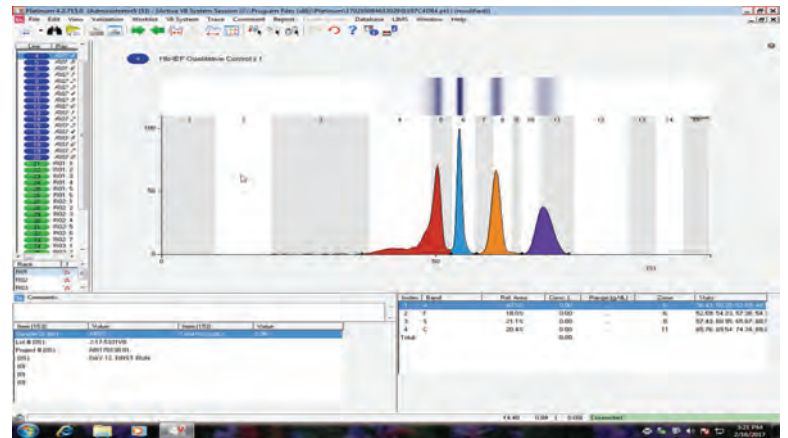
Fully Automated Next-Generation Capillary Electrophoresis

Introducing the **V8 Nexus!** A touch screen interface, user-defined, auto capillary conditioning, faster turnaround, integration of CE and zone data with the advanced reporting and tracking of the Myeloma Module and improved separation of protein and hemoglobins* are just a few of the big advances of this system.

The V8 Nexus features eight capillaries and six on-board reagent positions that enable full multi-assay functionality and high throughput. A superior sample handling system allows continuous loading of samples with auto-dilutions and auto-preparation of SPIFE sample trays for additional testing by gel electrophoresis.

Coming Soon! Hemoglobin Separations*

The V8 Nexus will allow hands off identification and quantitation of hemoglobin variants with confirmatory testing by isoelectric focusing.



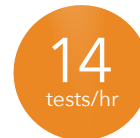
*Pre-market approval of Hemoglobin assays pending. June 2018



Serum Proteins



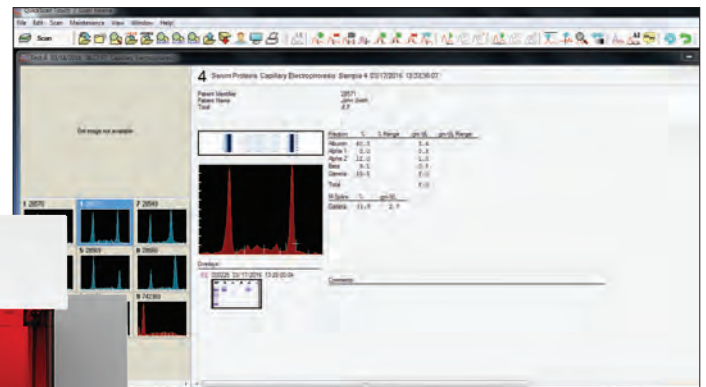
Urine Proteins



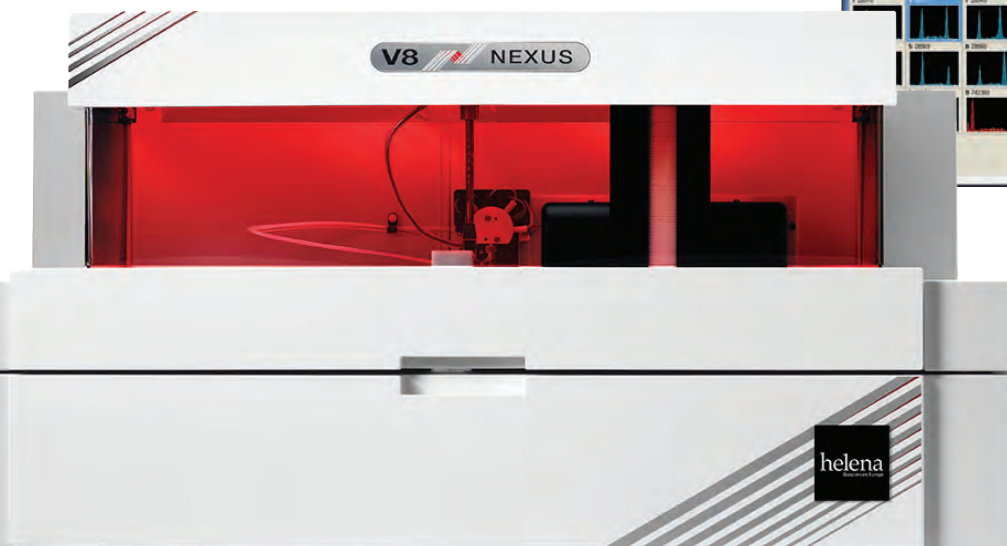
Immunodisplacement

PLATINUM 4^V and QuickScan Software

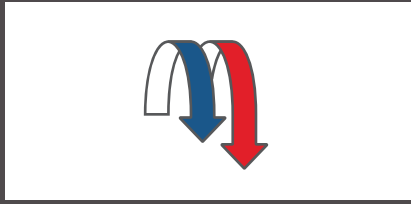
Platinum 4^V system software provides a comprehensive set of analytical tools and user-defined options for ease of operations. The V8 can also use QuickScan Touch densitometer software for editing, reviewing and reporting. Previous patient data from the QuickScan, such as IFE results, can be included on the capillary electrophoresis reports.



- Drive/control V8 functionality
- Advanced editing tools
- Statistical calculation and display
- Bi-directional communication with host network
- Multiple search parameters with overlay capacity
- Full audit trail accountability
- QC and validation using Levey-Jennings



HIGHLIGHTED NEXUS FEATURES



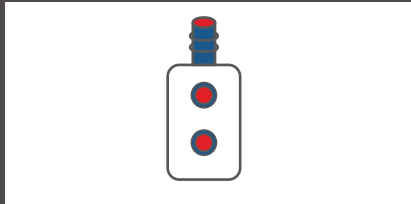
Multi-Assay

Simultaneous separation of multiple assays using all eight capillaries and reagent positions



Smart Sampling

Intelligent identification and recall of abnormal samples for confirmatory testing; integrated sample handling for gel electrophoresis preparation



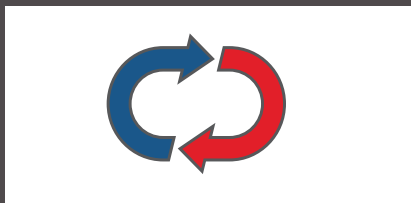
Auto Pilot

Select assays, load samples and close the lid - it's as simple as that - all reagents and buffers are held on-board



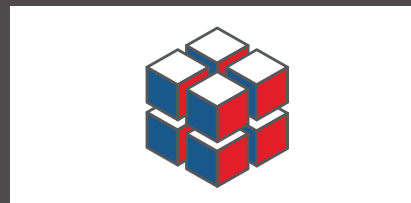
Easy Audit

Total audit trail accountability including patient identification, reagent lot numbers and expiration dates, and security protection



Random Access

Continuous loading of up to 112 primary sample tubes for high throughput with the flexibility to insert urgent samples



Future Proof

Built-in flexibility for product evolution and a high-tech modular platform to provide supplementary chemistry space for buffers and reagents



QuickScan Software

Makes the management, analysis and interpretation of results simple, accurate and efficient, including bi-directional network communication. Same editing and reporting platform for both zone and CE for increased efficiency



Myeloma Module

Unifies current and historic patient data into a single portal for interpreting, tracking and reviewing; can be combined with SPIFE zone results.

Technical Specifications

Identification	Detection		
<ul style="list-style-type: none"> Positive patient identification. Sample rack bar coded identification. Bar code buffer and reagent containers. 	<ul style="list-style-type: none"> Wavelength detection: monochromator with 200-600nm range Detection: eight photodiodes 		
Bar code	Sensitivity		
<ul style="list-style-type: none"> Embedded bar code reader. Symbologies: Code 39, Codabar, Code 128, Interleave 2 of 5, Code 93, UPC/EAN. 	<ul style="list-style-type: none"> Detection of Serum Proteins at 20.8 mg/dL. 		
Loading	Assays/throughput/tests per kit		
<ul style="list-style-type: none"> Up to 14 sample racks of 8 primary tubes; total 112 standard operation. 	<ul style="list-style-type: none"> Serum Protein 6-band Immunodisplacement 	<ul style="list-style-type: none"> 88/hr 14/hr 	<ul style="list-style-type: none"> 500 50
Gel sample trays	Data processing		
<ul style="list-style-type: none"> Compatible with SPIFE sample trays. 	<ul style="list-style-type: none"> Database management of up to 2 million patient scans. Export to QuickScan Touch for edit and reporting. Trace capture and editing. Statistical calculation and display. Database flagging of patient status. Bi-directional communication; import and export of patient data. Immunodisplacement image capture & linkage to scan traces. Multiple search parameters with overlay capacity. 		
Sampling	Q.C. and validation		
<ul style="list-style-type: none"> Generic sample cups. Sampling is direct from uncapped primary tubes: <ul style="list-style-type: none"> Diameter: max. 16 mm. Height: max. 100 mm. Dead volume: 30 µl. 	<ul style="list-style-type: none"> Levey-Jennings and statistics reports. 		
Pre-analytical	Dimensions		
<ul style="list-style-type: none"> Dilutions, cell lysis, reagent addition and reagent incubation. 	<ul style="list-style-type: none"> 35.2" (width) × 26.8" (depth) × 26.8" (height). 895 mm (width) × 680 mm (depth) × 680 mm (height). 		
Migration	Weight		
<ul style="list-style-type: none"> Eight silica-fused capillaries. Peltier controlled temperature capillary chamber. 	<ul style="list-style-type: none"> 159 lbs. / 72 kg. 		
Buffers	Connections		
<ul style="list-style-type: none"> Six on-board buffer system containers; up to four open user-defined assay buffer positions. Dynamic buffer level monitoring. 	<ul style="list-style-type: none"> Output connections Ethernet connection from V8 to PC, LIS. RS232 serial connection to LIS. USB connection to peripheral utilities. 		
Reagents	Power		
<ul style="list-style-type: none"> Ten open positions for reagents and antisera: Anti-IgG, -IgA, -IgM, kappa and lambda. Sample diluents and preparatory solutions. Peltier controlled reagent positions. Dynamic reagent level monitoring. 	<ul style="list-style-type: none"> Consumption of 489 W (VA). 		
Maintenance	Environmental operating conditions		
<ul style="list-style-type: none"> On-board maintenance solutions. Automated maintenance, startup and shutdown procedures. Automated purging between assay changes. 	<ul style="list-style-type: none"> Ambient temperature 15 to 30°C (59°F to 86°F). Non-condensing relative humidity between 35% and 88%. Maximum altitude of 6,562' (2000 meters). 		

Cat. No. Item

1825 V8 Nexus CE Analyzer

1803 V8 Immunodisplacement Kit (50 tests)

1805 V8 Serum Protein SPE Kit (500 tests)

1810 V8 SP Normal Control (10 x 2 mL)

1811 V8 SP Abnormal Control (10 x 2 mL)

1812 V8 AFSA2 Hemo Control

1813 V8 AFSC Hemo Control

1816 V8 ID Immuno Control

1820 V8 Waste Drawer Inserts (50/pkg)

1821 V8 Barcode Labels for SPIFE Diluent

1831 V8 Storage Buffer Kit

1832 V8 Maintenance Buffer Kit

1180 Consolidated Service for V8 CE Analyzer



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