

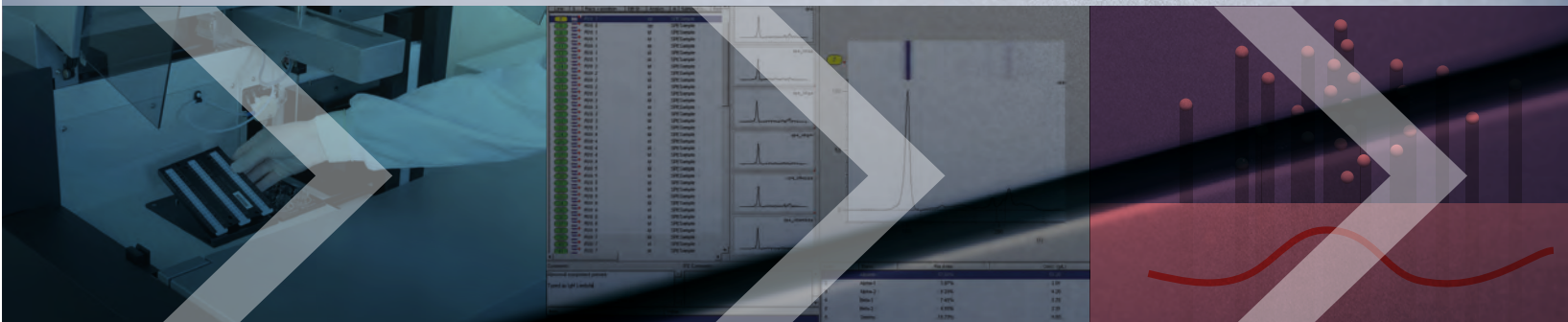
# Velocity8CE

Available now!

automated clinical capillary  
electrophoresis

The logo consists of the letters 'V' and '8' in a stylized, metallic, 3D font. The 'V' is a simple chevron shape, and the '8' has a rounded, modern appearance. Both are rendered in a silver or chrome finish with highlights and shadows that give them a three-dimensional look. They are mounted on a light-colored, possibly brushed metal, surface.

V8



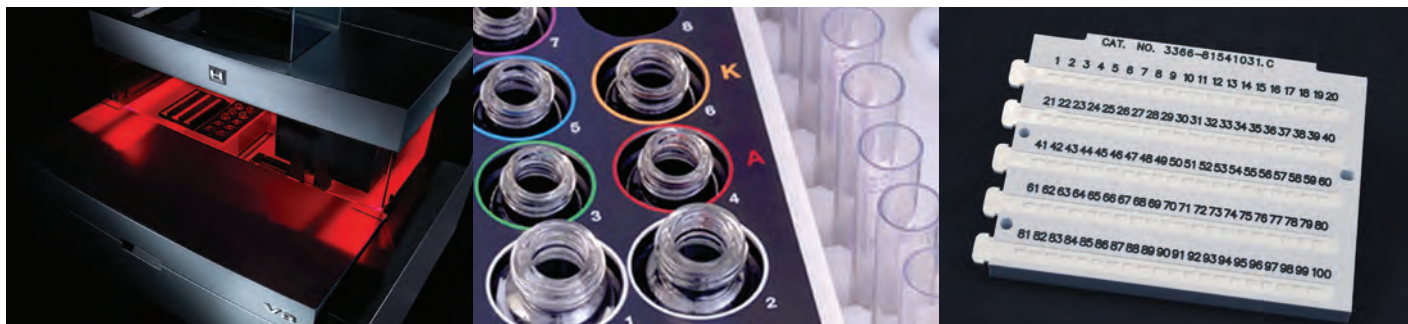
# V8 E-CLASS >>>

## Fully Automated Next-Generation Capillary Electrophoresis

The **V8 E-Class** sets new standards for capillary electrophoresis performance for protein and immunodisplacement analysis using intelligent walk-away automation and full 8-channel multi-assay functionality.

The V8 E-Class was designed from the ground up as a clinical electrophoresis analyzer with efficiency, cost-effectiveness and accuracy in mind. Features include high throughput, continuous loading of up to 112 samples with random access for urgent samples, auto sample preparation and on-board storage of reagents. Automated startup and shutdown maintenance keep the system running smoothly.

V8's intelligent system software allows auto flagging of samples for confirmatory testing with advanced auto-preparation of SPIFE sample trays for gel electrophoresis. Other handling features include full audit trail accountability, advanced editing tools, bi-directional host communication and immunodisplacement capture and linkage to scan traces.



Visual Status Display



Traceable On-Board Reagents

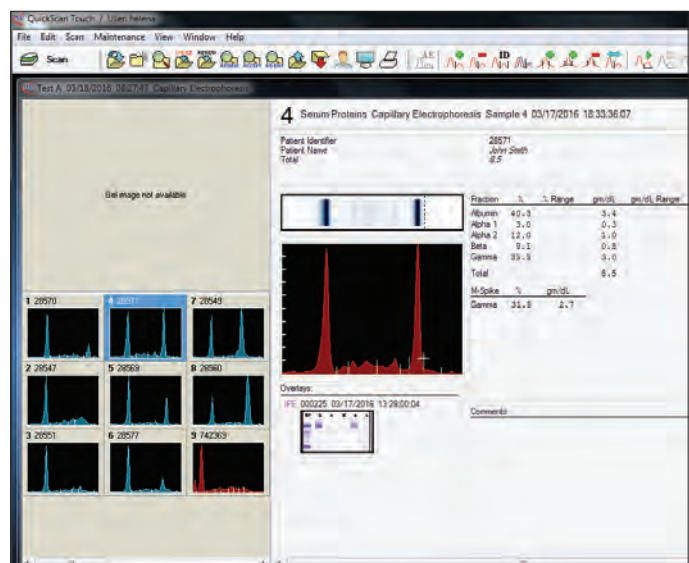


SPIFE Sample Tray Prep with Dilutions

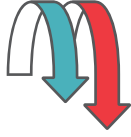
## PLATINUM 4<sup>v</sup> and QuickScan Software

Platinum 4<sup>v</sup> makes the management of clinical capillary electrophoresis as simple, accurate and efficient as possible, providing a comprehensive set of analytical tools and user-defined options. The V8 can also be integrated with the QuickScan Touch densitometer 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
- Integrates with QuickScan software for use with the Myeloma Module



# » HIGHLIGHTED V8 FEATURES «



## Multi-Assay -

Simultaneous separation of multiple assays; 72 proteins or 18 immunotypings per hour



## 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



## Touch ID -

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



## Audible and Visual Feedback -

Verbal updates on run progress plus gentle illumination to indicate instrument status



## QuickScan Software -

Makes the management, analysis and interpretation of results simple, accurate and efficient, including bi-directional network communication

<b>Identification</b> <ul style="list-style-type: none"> <li>Positive patient identification.</li> <li>Sample rack bar coded identification.</li> <li>Bar code buffer and reagent containers.</li> </ul>	<b>Detection</b> <ul style="list-style-type: none"> <li>Wavelength detection: monochromator with 200-600nm wavelength range</li> <li>Detection: eight photodiodes</li> </ul>						
<b>Bar code</b> <ul style="list-style-type: none"> <li>Embedded bar code reader.</li> <li>Symbologies: Code 39, Codabar, Code 128, Interleave 2 of 5, Code 93, UPC/EAN, Pharmacode and PDF417.</li> </ul>	<b>Sensitivity</b> <ul style="list-style-type: none"> <li>Detection of Serum Proteins at 25 mg/dL.</li> </ul>						
<b>Loading</b> <ul style="list-style-type: none"> <li>Up to 14 sample racks of 8 primary tubes; total 112 standard operation.</li> </ul>	<b>Assays/throughput/tests per kit</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Serum Protein 6-band</td> <td style="width: 20%;">48/hr</td> <td style="width: 20%;">500</td> </tr> <tr> <td>Immunodisplacement</td> <td>12/hr</td> <td>50</td> </tr> </table>	Serum Protein 6-band	48/hr	500	Immunodisplacement	12/hr	50
Serum Protein 6-band	48/hr	500					
Immunodisplacement	12/hr	50					
<b>Gel sample trays</b> <ul style="list-style-type: none"> <li>Compatible with SPIFE sample trays.</li> </ul>	<b>Data processing</b> <ul style="list-style-type: none"> <li>Unlimited capacity for patient storage in single session.</li> <li>Database management of up to 2 million patient scans.</li> <li>Trace capture and editing.</li> <li>Statistical calculation and display.</li> <li>Database flagging of patient status.</li> <li>Bi-directional communication; import and export of patient data and results.</li> <li>Immunodisplacement image capture &amp; linkage to scan traces.</li> <li>Multiple search parameters with overlay capacity.</li> </ul>						
<b>Sampling</b> <ul style="list-style-type: none"> <li>Generic sample cups.</li> <li>Sampling is direct from uncapped primary tubes: <ul style="list-style-type: none"> <li>Diameter: max. 18 mm.</li> <li>Height: max. 100 mm.</li> <li>Dead volume: 30 µl.</li> </ul> </li> </ul>	<b>Q.C. and validation</b> <ul style="list-style-type: none"> <li>Levey-Jennings and statistics reports.</li> </ul>						
<b>Pre-analytical</b> <ul style="list-style-type: none"> <li>Dilutions, cell lysis, reagent addition and reagent incubation.</li> </ul>	<b>Dimensions</b> <ul style="list-style-type: none"> <li>35.4" (width) × 26.6" (depth) × 22" (height).</li> <li>900 mm (width) × 650 mm (depth) × 560 mm (height).</li> </ul>						
<b>Migration</b> <ul style="list-style-type: none"> <li>Eight silica-fused capillaries.</li> <li>Peltier controlled temperature capillary chamber.</li> </ul>	<b>Weight</b> <ul style="list-style-type: none"> <li>154 lbs. / 70 kg.</li> </ul>						
<b>Buffers</b> <ul style="list-style-type: none"> <li>Seven on-board buffer system containers; up to four open user-defined assay buffer positions.</li> <li>Dynamic buffer level monitoring.</li> </ul>	<b>Connections</b> <ul style="list-style-type: none"> <li>Output connections Ethernet connection from V8 to PC.</li> <li>RS232 serial connection to host system.</li> <li>USB connection to peripheral utilities.</li> </ul>						
<b>Reagents</b> <ul style="list-style-type: none"> <li>Ten open positions for reagents and antisera: Anti-IgG, -IgA, -IgM, kappa, lambda, Free kappa, Free lambda, -IgD and -IgE.</li> <li>Sample diluents and preparatory solutions.</li> <li>Peltier controlled reagent positions.</li> <li>Dynamic reagent level monitoring.</li> </ul>	<b>Power</b> <ul style="list-style-type: none"> <li>Consumption of 228 W (VA).</li> </ul>						
<b>Maintenance</b> <ul style="list-style-type: none"> <li>On-board maintenance solutions.</li> <li>Automated maintenance procedures.</li> <li>Automated purging between assay changes.</li> </ul>	<b>Environmental operating conditions</b> <ul style="list-style-type: none"> <li>Ambient temperature 15 to 30°C (59°F to 86°F).</li> <li>Non-condensing relative humidity between 5% and 85%.</li> <li>Maximum altitude of 6,562' (2000 meters).</li> </ul>						

## Cat. No. Item

**1800** V8 Velocity CE Analyzer (110V)

**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)

**1816** V8 ID Immuno Control

**1831** V8 Storage Buffer Kit

**1832** V8 Maintenance Buffer Kit

**1180** Consolidated Service for V8 Velocity CE Analyzer



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