

V8 NEXUS

FULLY AUTOMATED CAPILLARY ELECTROPHORESIS

Proteins | Immunodisplacement | Hb

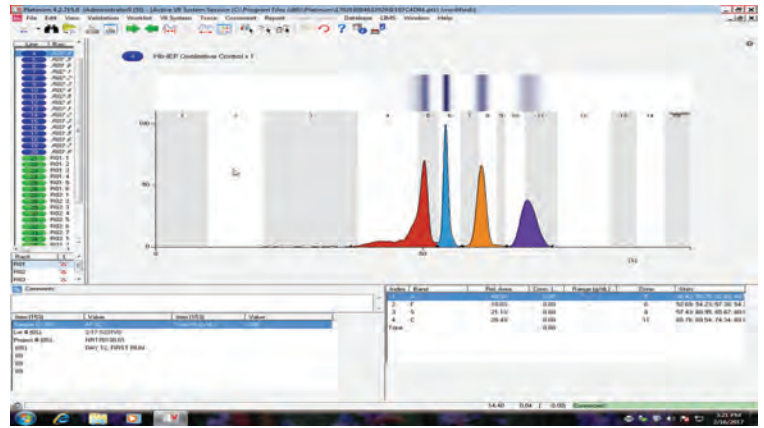


V8 NEXUS

Automated Clinical Capillary Electrophoresis

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

The V8 Nexus features eight capillaries, six on-board buffer positions and ten reagent positions to 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.



NEW! V8 UltraScreen Hemoglobin allows hands-off identification and quantitation of hemoglobin variants. Up to 16 hemoglobin samples can be separated per hour.

V8 Nexus Fast Facts

Eight capillaries, six buffers and ten reagents on-board for multi-assay use.

88

Tests/HR
Proteins Fast CE

14

Tests/HR
Immunodisplacement

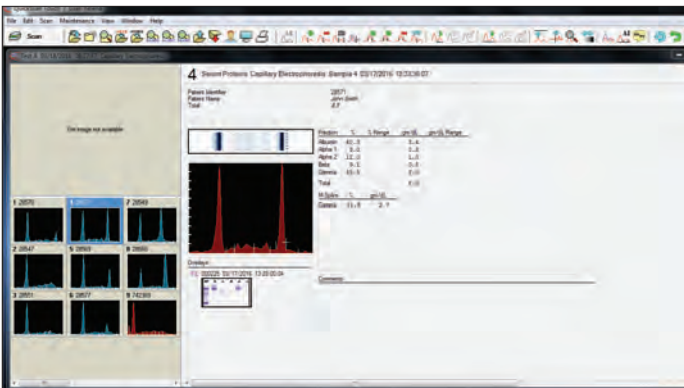
16

Tests/HR
Hemoglobins

8

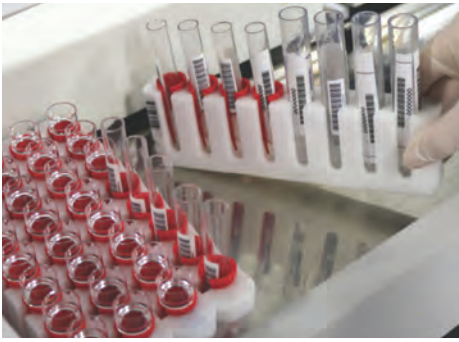
Capillaries Run
Simultaneously

PLATINUM 6 and QuickScan Software



Platinum 6 system software provides a comprehensive set of analytical tools and user-defined options for ease of operations. The V8 can also use QuickScan Touch software for editing, reviewing and reporting. Previous patient data from the QuickScan, such as serum and urine IFE and protein results, can be included on the capillary electrophoresis reports.

- Statistical calculations
- Bi-directional communication with host network
- Multiple search parameters with overlay capacity
- Full audit trail accountability
- QC and validation using Levey-Jennings



Sample Handling

- Continuous sample loading
- Up to 112 samples on board (552 with Max)
- Excellent liquid sensing technology
- 30 μ L sample dead volume
- Positive patient identification and full sample traceability



Buffer Handling

- Six on-board buffer positions
- Multiple method capability without swapping buffers
- Full audit traceability
- Automated buffer replenishment
- One buffer bottle purged at a time



Reflex to Gel

- Ability to reflex to gel tray
- Peltier temperature controlled reagent bay
- Controlled stability and reduction in reagent loss



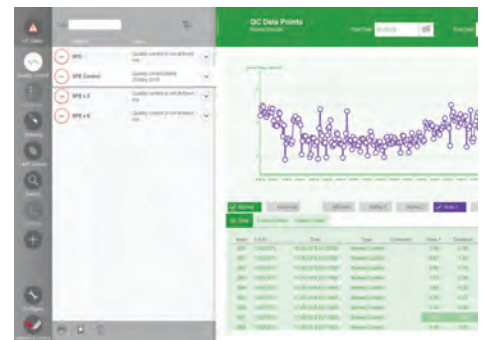
Auto Maintenance

- User-scheduled maintenance - ready to go at start of shift
- Fully automated maintenance procedures
- Automated purging for capillary conditioning
- Auto system check



On-Board Diagnostics

- Advanced status feedback
- Real time monitoring of sample and electrophoresis timing
- Intuitive buffer and reagent volume monitoring
- Maintenance status and service alerts



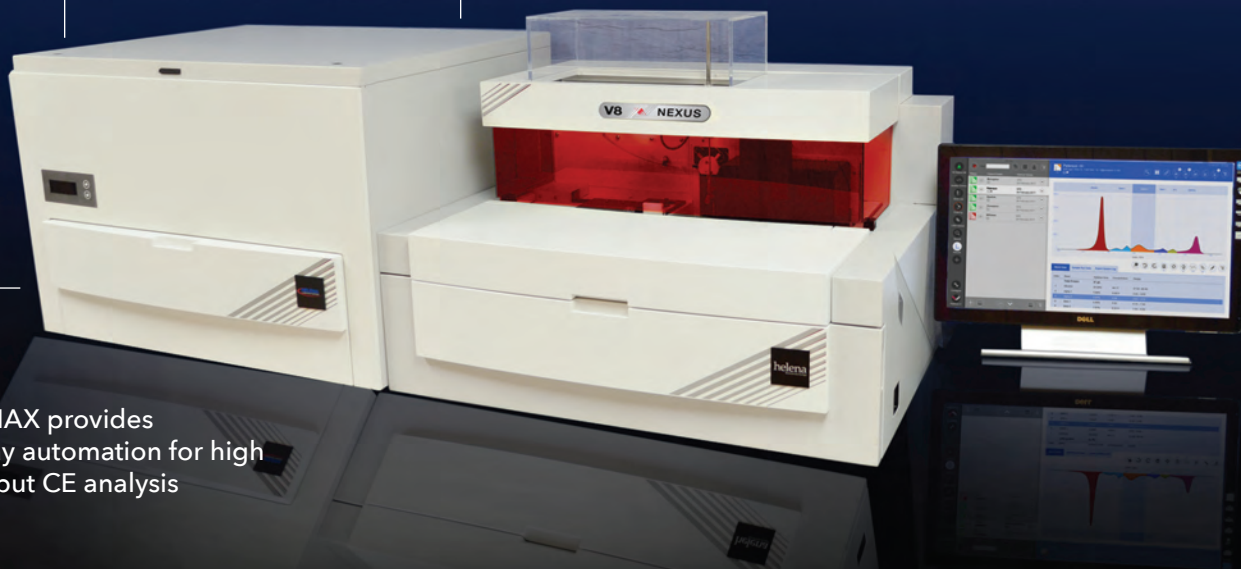
Improved QC Suite

- User-defined Levey-Jennings / Westgard rules
- Live feedback of QC failures
- Analyze individual band plots

Load an additional 440 samples for transfer to the V8 Nexus

440 + 112 = 552 SPEs in 6 hours

Nexus MAX provides walkaway automation for high throughput CE analysis



NEXUS MAX

AUTOMATED HIGH VOLUME SAMPLE HANDLING

V8 Nexus Specifications

V8 Nexus Dimensions:

35.2" (width) x 26.8" (depth) x 26.8" (height)
895 mm (width) x 680 mm (depth) x 680 mm (height)

Total Weight:

159 lbs / 72 kg

Environment:

15 to 30°C (59°F to 86°F)

Operating System:

Microsoft® Windows® 10

*Windows is a registered trademark of Microsoft Inc.

Power:

Consumption of 489 W (VA)

Embedded Barcode Reader:

Code 39, Codabar, Code 128, Interleave 2 of 5, Code 93,

UPC/EAN

Wavelength Detection:

Monochromator with 200-600 nm range

Sensitivity:

Detection of Serum Proteins at 20.8 mg/dL

Test Tubes:

12-16 mm diameter, 75-100 mm height, 30 µL dead volume

Cat. No. Item

1825	V8 Nexus CE Analyzer
1180	Consolidated Service for V8 CE Analyzer
1803	V8 Immunodisplacement Kit (50 tests)
1805	V8 Serum Protein SPE Kit (500 tests)
1828	V8 Hemoglobin Ultra Screen kit (200 tests)
1812	V8 AFSA2 Hemo Control (1 x 1 mL)
1810	V8 SP Normal Control (10 x 2 mL)
1811	V8 SP Abnormal Control (10 x 2 mL)
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



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