V8 NEXUS
High Performance Clinical Capillary Electrophoresis

› Automated  › Intelligent  › Connected
High speed automation.

- **Ultra sensitive**
  - Auto-reflex for sensitive analysis of interfering factors and contrast media

- **Multiplexing**
  - Track or join V8 Nexus systems together to meet high sample volumes

- **Haemoglobin automation**
  - Integrated sample preparation for efficient whole-blood analysis

- **Serum Proteins**
  - 96 tests/hr

- **Urine Proteins**
  - 96 tests/hr

- **Immunodisplacement**
  - 19 tests/hr
Overview

• Automation
• Software
• Intelligence
• Ordering

High speed automation.

Pioneering state-of-the-art laboratory diagnostics

Networking

Flexible integration tools for track, LIS, middleware and remote support

Touch response

Ultra-simple control and interpretation with touchscreen technology

Intelligent control

Full patient sample monitoring and real-time system status

CDT

Haemoglobin A1c

Haemoglobin IEF

16 tests/hr

32 tests/hr

32 tests/hr

Haemoglobin IEF

Haemoglobin A1c

CDT

32 tests/hr

32 tests/hr

16 tests/hr
V8 Nexus is redesigned from the inside out to deliver new automation, stunning performance and enhanced flexibility. 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.

**LabConnect** technology for high-throughput track connectivity

Capable of over 2300 SPE tests per day by connecting V8 Nexus to a laboratory track system. Platinum 5 will automatically return results with peaks identified and labelled, and is compatible with leading track systems:

- Inpeco FlexLab™
- Abbott Accelerator™
- Siemens Aptio™

**Flexible sample handling**

V8 Nexus supports the continuous loading of 112 sample tubes at a time, with random-access ordering and retrieval of samples for completely automated priority and reflex testing.

**6 user-defined buffers**

V8 Nexus delivers true flexibility, allowing you to use differing or duplicate buffers as needed. The system tracks lot information via barcode, efficiently switching between buffers automatically.

**Complete chemistry**

With 10 temperature-controlled reagent positions, V8 Nexus can prepare up to 668 gel SP tests as well as gel IFE and Haemoglobins, with user or auto-dilutions based on monoclonal or polyclonal size.
deliver new automation, stunning performance and technology, seamless connectivity to laboratory track by, no other system comes close to this level of power.

**Gel Integration** for the complete analytical picture

V8 Nexus provides the unique ability to prepare sample trays for gel electrophoresis testing and confirmation, with automated dilutions and complete end-to-end patient ID and reagent traceability.

- Serum and Urine Proteins (up to 100 samples)
- Immunofixation (up to 15 serum and urine samples)
- Alkaline and Acid Haemoglobin (up to 40 samples)
- Automated pre-lysis for whole-blood haemoglobin

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**FlexWave capillary technology**

This unique capability provides a variable wavelength detection range of 200-600nm, enabling reflex testing for contrast media and screening for interfering factors, and support for new tests.

**Expert System**

Intelligent software to streamline the interpretation process, allowing automatic reflex testing of abnormal results as required, whilst enabling the scientist to prioritise more ambiguous results.

**Networked interpretation**

Platinum 5 supports real-time editing of results from across your network. It automates LIMS host-query and reporting, with a complete audit trail for patient ID, gel and buffer/reagent lot data.
Platinum 5 Touch introduces a revolutionary and powerful touch screen interface designed to accelerate and simplify your workflow — whilst still offering access to the full analytical power of the software.

1. **Page Bar**

   Platinum 5 Touch offers simple, logical access to just the tools you need, right when you need them. Simply tap the buttons to rapidly switch between each dedicated, task-specific workspace. Some of the icons also function as status indicators, for instant feedback.

2. **Navigation List**

   Swipe through your work list easily, with powerful filtering and sorting controls to rapidly find the results you’re looking for.

3. **Patient Results**

   Each result offers a clear, at-a-glance status overview, highlighting important patient history, Expert System and database information.

4. **Inspector**

   View and edit patient demographics and chemistry values, accelerate your reporting with our pre-built Comments Assistant, and automatically retrieve all historical patient data with a single tap.

5. **One-Touch View Controls**

   Attach, select and overlay Immunodisplacement data, and display multiple traces in our innovative Grid and Overlay Views.

6. **Result View**

   Taking advantage of the large HD touch screen, your data is shown in more detail than ever before. Select and compare multiple results, pinch to zoom in and out and perform rapid edits with simple gestures.
Take complete control with Platinum 5 Touch

Platinum 5 Touch introduces a revolutionary and powerful new touch screen interface, designed to accelerate and simplify your workflow — whilst still offering access to the full analytical power of the software.
V8 Nexus and Platinum 5 are closely integrated to provide intelligent, assistive features to streamline the analytical and reporting process.

1. **State-of-the-art Quality Control package**
   Platinum 5’s quality control features include proactive alerting for failed or expired QC, comprehensive Levey-Jennings charting and statistical reporting tools to track quality control performance, and the convenient input of control data simply by scanning your assay sheet bar code.

2. **Intelligent, user-friendly interpretation tools**
   Platinum 5 makes interpretation and diagnosis quicker, easier and more reliable with a range of sophisticated viewing and editing capabilities, including our innovative Second Derivative tool which allows the operator to see small peaks or other features which could otherwise be missed.

3. **Automatic data retrieval and comparison**
   Perform detailed comparison of Serum Protein results alongside Immunodischarges or historical patient data. Platinum 5 allows you to compare any live or archived data, to get a true picture of the patient’s progression. Search across databases for practically unlimited capacity.
Instant status and control of your V8 Nexus

Platinum 5 combines all management facilities into a single, at-a-glance overview of your analyser. Smart automated start-up and shut-down together with proactive maintenance procedures mean that your system will be ready and waiting when you arrive, and geared for maximum efficiency throughout the day.
V8 Nexus 8-channel analyser

V8 Nexus is available as a standard configuration supporting all existing V8 tests, or you can upgrade your Nexus capillary system to support the Fast SP test with the Fast SP Upgrade Kit (800010).

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>800008</td>
<td>V8 V8 Nexus (220V) including Platinum 5 Standard Edition, LCD monitor and PC</td>
</tr>
<tr>
<td>800018</td>
<td>V8 V8 Nexus (110V) including Platinum 5 Standard Edition, LCD monitor and PC</td>
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<tr>
<td>800010</td>
<td>V8 Fast Serum Protein Upgrade Kit allowing 96 SP tests per hour</td>
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Platinum 5 analytical software

Platinum 5 is 64-bit Windows software, available either in basic form or supporting the new touchscreen-compatible user interface.

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<th>Cat. No.</th>
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<tr>
<td>400500</td>
<td>Platinum Software — Platinum 5 Standard Edition Basic Platinum interface</td>
</tr>
<tr>
<td>400502</td>
<td>Platinum Software — Platinum 5 Plus Pack Expert System, Networking and FlexLab connectivity (requires Platinum 5)</td>
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<tr>
<td>400591</td>
<td>High-Definition LCD Touchscreen Requires Platinum 5 Standard Edition and 64-bit Windows 10 PC</td>
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<tr>
<td>400592</td>
<td>64-bit Windows 10 PC</td>
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<tr>
<td>400593</td>
<td>Transparency Scanner</td>
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SAS semi-automated gel analyser systems

Extend the V8 Nexus workflow with Helena Biosciences’ gel electrophoresis method portfolio, including low and high throughput Immunofixation and Haemoglobin tests.

1531: SAS-1 Plus Suitable for low-to-medium throughputs
1212: SAS-2
1527: SAS-3 Suitable for medium-to-high throughputs
1529: SAS-4