

Summary

The purpose of this document is to detail the updates incorporated into the Platinum 6.2 Patch 307 release. Please note that Platinum 6.2 is only compatible with Windows 11.

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Products Affected

400600 Platinum Analysis Software

Detailed Description: Platinum 6.2 Patch 307

Platinum 6.2 software is the interface between the V8 UltraCE, or gel scanner, and the user. It allows for complete management, analysis and interpretation of results and it provides a comprehensive set of analytical tools, editing tools and reporting tools for analysing and reporting data.

Platinum 6.2 Patch 307 is designed to provide updates and additional functionality. As Platinum 6.2 is the operating software of the V8 UltraCE and an analytical software package, there are many amendments and modifications to the software expected as we continue to improve and develop the instrument and the onboard assays. As such, we have limited Platinum upgrades which incorporate prioritised software fixes/solutions and features. The release of the software upgrades by Helena Biosciences Europe are scheduled to ensure as many fixes and features are incorporated into one upgrade, thus minimising the disruption this can cause to systems in the field and reducing the number of upgrades required. All scheduled releases are extensively verified and must pass regression testing before being released.

This patch is only compatible with Platinum 6.2.

Platinum 6.1, or any other historic versions of Platinum, should not be directly updated to Platinum 6.2. A new installation of Platinum 6.2 requires using the Platinum 6.2 installer.

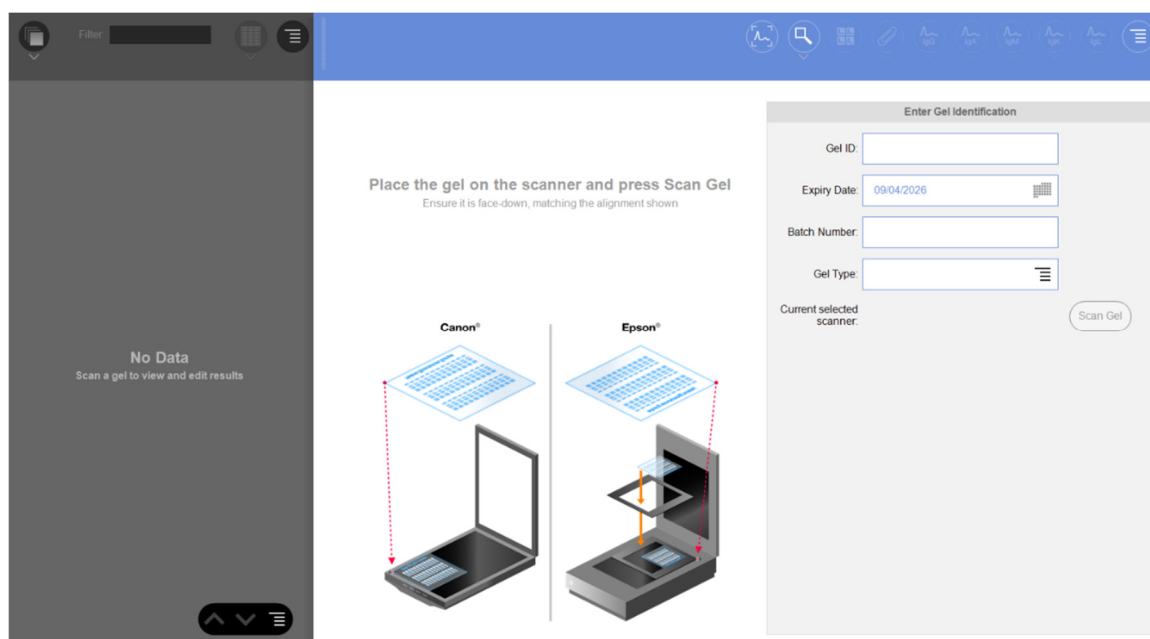
Features and Updates

Feature	Description
Operator Manuals	New Spanish and Portuguese manuals have been added to Platinum
Gel Scanning Images	Update to the gel scan image to include both Epson and Cannon scanners (CEP070)
Historic Data	Historic data limited to 99 entries in the navigation list
Urine Baseline	New baseline type to improve urine baselining
M-Spike Naming	M-Spike names are limited to display 23 characters
Gateway Communication	Updates to LIMS GATEWAY
LIMS	Updates to LIMS connections

Gel Scanning Images

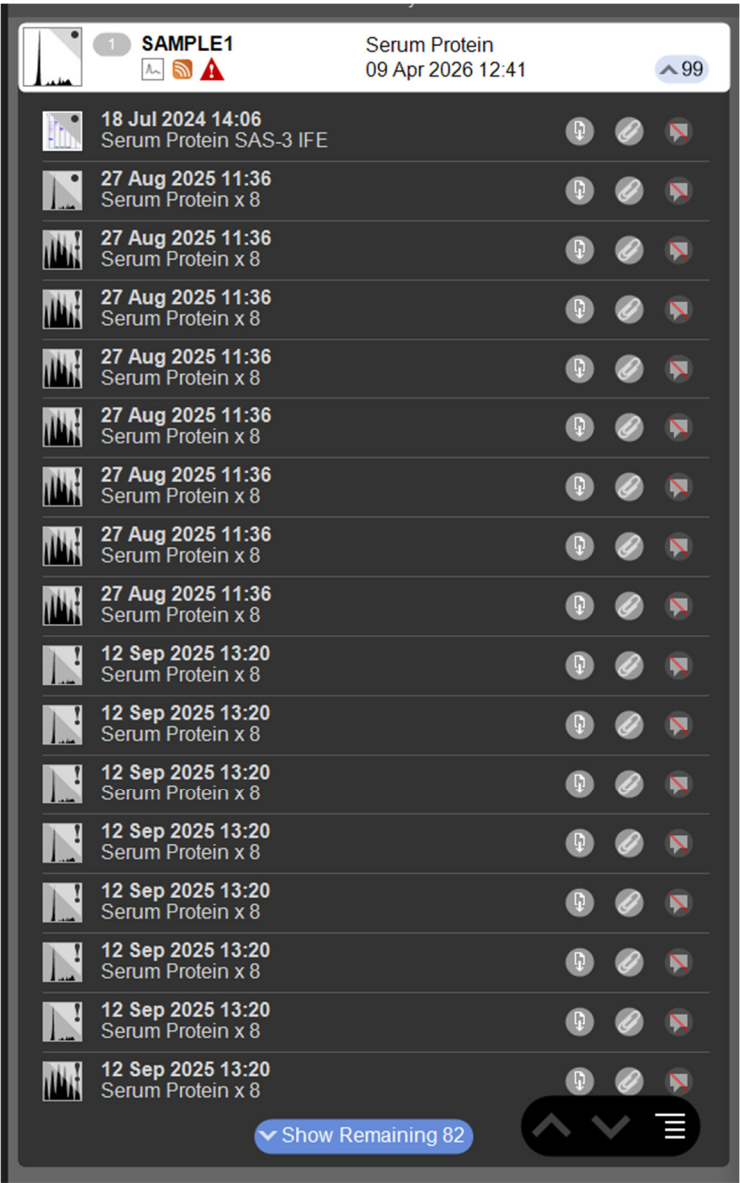
The gel scan guide image has been updated to show how to correctly align a gel on both the Epson and Cannon scanners.

When selecting **New Session > Create New Gel Session** the image is displayed in the centre of the screen to ensure the correct alignment for each scanner type:



Historic Data

Historical data is limited to 99 results in the navigation list. Clicking the historical data button will display the 99-result list. Any remaining results not displayed in the list can be found using the search page.



M-Spike Naming

The names of m-spikes are limited to 23 characters in the Bands List only. When a name overruns then Platinum will start to remove letters from the centre of the name and replace them with "...". This is to preserve the Band name at the start and the M-spike number at the end.

#	Banda	Area relativa
1	 Albumin	55.59 % 17.59: 26.0
2	 Alpha-1	5.08 % 32.59: 39.0
3	 Alpha-2	7.25 % 41.60: 45.0
4	 Beta-1	14.01 % 50.93: 55.0
5	 Beta-2	8.12 % 59.43: 61.0
6	 Gamma	9.94 % 63.85: 66.0
Total		100.00%
7 M	 Albumin P...M-spike) 1	27.08 % 24.51: 26.0
	Albumin restantes	28.51%
8 M	 Beta-1 Pi...M-spike) 1	9.77 % 53.76: 55.0
	Beta-1 restantes	4.24%
9 M	 Beta-2 Pi...M-spike) 1	4.74 % 60.93: 61.0
	Beta-2 restantes	3.38%

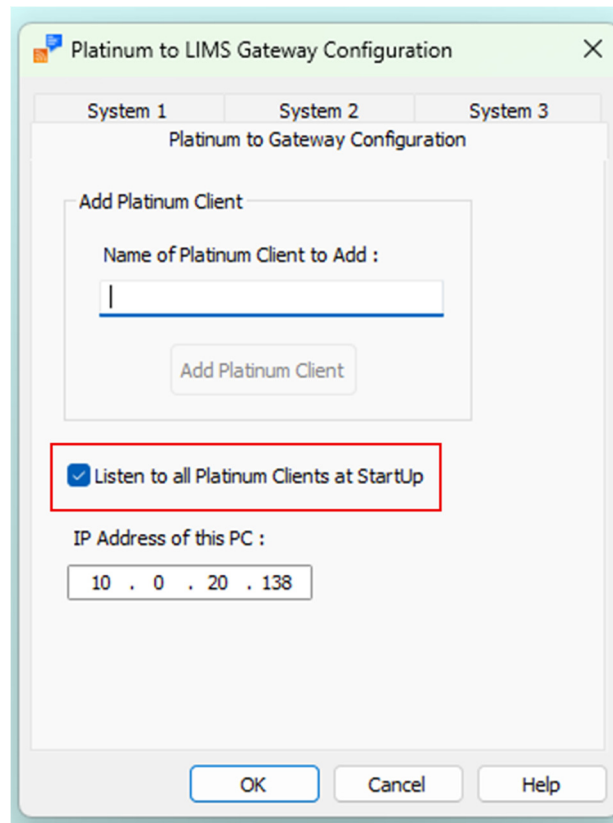
When editing the name of the M-spike, the full text is available to see and edit.

7 M	 Albumin P...M-spike) 1	27.08 % 24.51: 26.0
	Albumin restantes	28.51%
8 M	 Monoclonal (M-spike) 1	9.77 % 53.76: 55.0
	Beta-1 restantes	4.24%
9 M	 Beta-2 Pi...M-spike) 1	4.74 % 60.93: 61.0
	Beta-2 restantes	3.38%

Gateway Communication

Auto listen on start up

Platinum gives the option to auto listen to all Platinum clients at start up. In the **Platinum to Gateway Configuration** tab of the **Platinum to LIMS Gateway Configuration** window, **Listen to all Platinum Clients at Start Up** be selected.



When Platinum is next opened, gateway will automatically start listening to all Platinum Clients configured.

```
Opening the LIMS Gateway (version : 6.2.3305.0) with Ethernet TCP/IP
VICKY databases detected.
LIS01 protocol support active
Ethernet connection listening to 'System 1' (10.0.10.1) Port 100
Started listening to port: 100
Ethernet connection listening to 'System 2' (10.0.10.2) Port 200
Started listening to port: 200
Ethernet connection listening to 'System 3' (10.0.10.3) Port 300
Started listening to port: 300
```

Query replies listen for ENQ when using LIS01

Logic has been added to the Platinum, Gateway and LIMS communications, when LIS01 is active, to prevent timeouts when waiting for a reply from LIMS.

After a query is sent to LIMS, Platinum/Gateway comms listen for an ENQ message in order to start comms in the return direction to receive the query reply.

Control Character received : ENQ
Control Character sent : ENQ

Once the query reply has been sent, an EOT message is detected by Gateway/Platinum to indicate the end of data transmission.

Control Character received : EOT
Control Character sent : EOT

Sending large transmissions to LIMS

A new configuration option has been added to the 'sending to LIMS' tab of the customise page in Platinum.

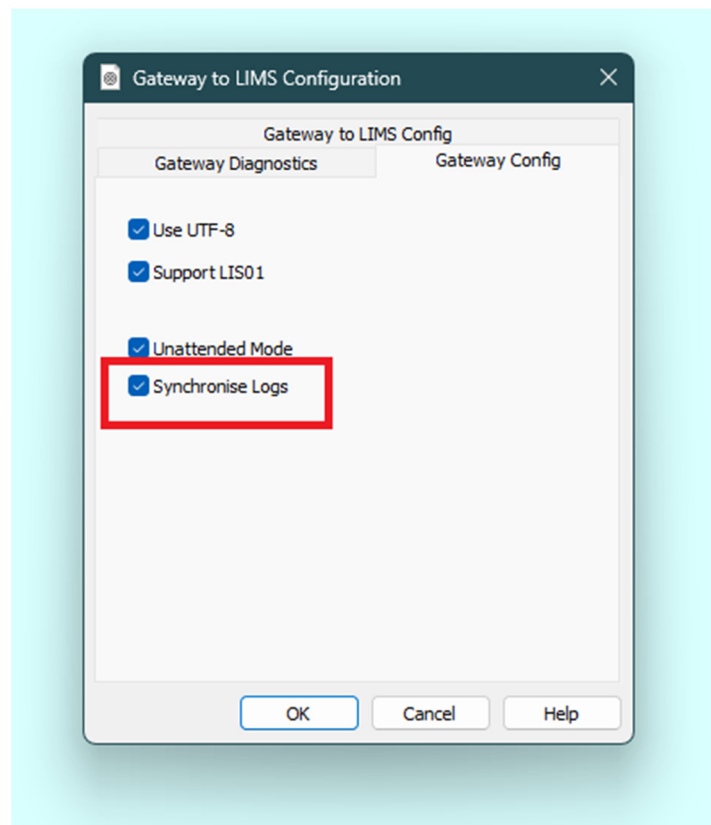
The screenshot shows the 'Sending to LIMS' configuration tab. It is divided into two main sections: 'Serial' and 'Ethernet selection:'. The 'Serial' section includes fields for Port (COM4), Baudrate (9600), Parity (none), Data bits (8), Stop bits (1), and Communication (Xon Xoff). There is a checkbox for 'Display inspector window' which is checked, and two unchecked checkboxes for 'Combine messages' and 'Override Header'. A 'Preview:' section shows the text 'H|\^||PT|^Platinum^6.2||'. The 'Ethernet selection:' section has a 'TCP/IP' checkbox checked. Below it, the 'IP Address:' is set to '10 . 0 . 10 . 1' and the 'Port:' is '1100'. There are 'Connect' and 'Disconnect' buttons. Further down, there are three checked checkboxes: 'LIS01 Compliant', 'LIS01 Large Packets' (which is highlighted with a red box), and 'Send confirmation'. There is an unchecked 'Keep Alive' checkbox with a '7200 seconds' field next to it. A 'Config Images' button is at the bottom right.

When enabled, with Platinum configured to use LIS01, this option will support sending large sets of data such as trace images to LIMS.

Added safety to logging

Previously, when multiple LIMS connections were established through gateway, with LIS01 active, there was instability in the logging of data when multiple systems simultaneously tried to send data to LIMS.

To prevent this, a new option – **Synchronise Logs** - has been added to the **Gateway Config** tab of the **Gateway to LIMS configuration** settings.



Activating Synchronise Logs enforces that only one Platinum can write to, or read from, the LIMS log at a time.

Note: When this option is switched ON/OFF Gateway must be restarted to cause the new setting to be used.

LIMS

Delay between sending to LIMS

Sending multiple samples in quick succession e.g. auto sending results from a method that produces several tests per tube such as an SP-ID, can cause Platinum to timeout as Platinum can produce LIMS sends faster than the LIMS system can receive them.

As a result, a new configurable option has been added to the **Ethernet selection** section of the **Sending to LIMS** tab. The **Send Delay** option allows the user to define the number of seconds delay before sending the next tests data.

The screenshot shows the 'Sending to LIMS' configuration window. The 'Ethernet selection' section is highlighted with a red box. It contains the following options:

- ☒ TCP/IP
- IP Address : 127 . 0 . 0 . 1
- Port : 1000
- Connect
- Disconnect
- ☒ LIS01 Compliant
- ☒ LIS01 Large Packets
- ☐ Send confirmation
- ☐ Keep Alive
- 7200 seconds
- Send Delay** (highlighted with a red box) 0 seconds
- Config Images

The 'Serial' section on the left includes:

- Port : COM3
- Baudrate : 115200
- Parity : odd
- Data bits : 8
- Stop bits : 1
- Communication : ASTM 1381
- ☒ Display inspector window
- ☐ Combine messages
- ☐ Override Header
- Preview: H[\^]|PT|^Platinum^6.2|||

The right sidebar shows a tree view of data items:

- Demographics
- Chemistry values
- Bands list
 - Area
 - ☒ Area percentage
 - Area% out of 100.000%
 - Concentration
- Comments
- Images
 - Scan image
 - Attached IFE images
 - Trace Image
- Trace items
 - ☒ Trace values
 - ☒ Raw trace values
 - ☐ Trough locations
 - ☐ Raw trough locations
 - ☐ Baseline location

Cleanup Method Query

A new option has been added to the **Receiving from LIMS** tab to prevent issues caused by manually querying samples that have already been queried by using auto query with V8 Auto Control Barcodes.

The screenshot shows the 'Receiving from LIMS' configuration window. It has a tabbed interface with 'Database', 'Sending to LIMS', 'Receiving from LIMS' (selected), 'Reports', and 'Configure Dem'. The 'Serial' section includes dropdowns for Port (COM3), Baudrate (115200), Parity (odd), Data bits (7), Stop bits (1), and Communication (ASTM 1381). There is a checkbox for 'Display inspector window'. The 'Ethernet selection' section has a '?' icon, a checked 'TCP/IP' checkbox, an 'IP Address' field (127.0.0.1), a 'Port' field (1000), 'Connect' and 'Disconnect' buttons, and a checked 'LIS01 Compliant' checkbox. Below these are checkboxes for 'Combine messages' (unchecked), 'Automatically query LIMS' (checked), and 'Support LIMS methods' (checked). At the bottom, the 'Cleanup Method Query immediately' checkbox is highlighted with a red rectangle.

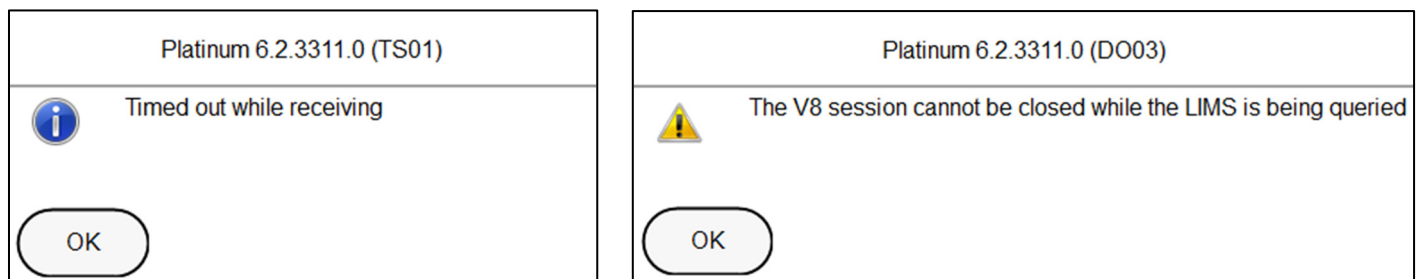
Cleanup Method Query immediately removes any data left in place when Auto Control Barcodes are active so that any subsequent manual queries can be actioned without error.

This option is only available when **Automatically Query LIMS** and **Support LIMS methods** are ON.

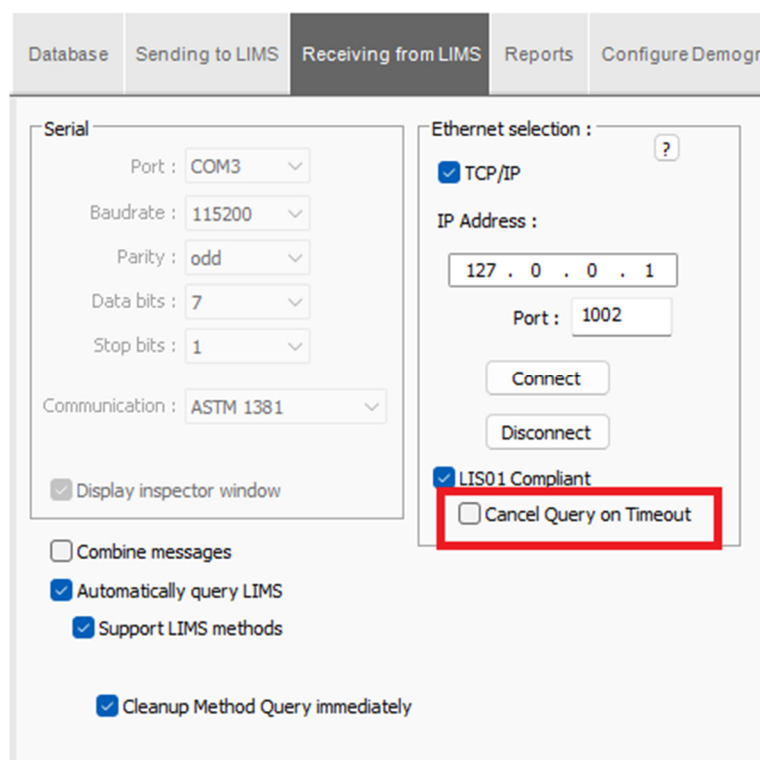
Cancel Query on Timeout

A new configurable option has been added when using TCP/IP with LIS01 to cancel Platinum waiting for a LIMS reply.

When Platinum waits too long for a reply from LIMS, eventually it will timeout. In this state Platinum will not process another rack as it is still waiting for a reply. An error message will also occur when trying to exit the session as LIMS is still being queried.



With the **Cancel Query on Timeout** option enabled, when Platinum detects that the LIMS system has not replied (and will not) it will cancel waiting for the reply from the LIMS system.



When using the new cancel query option, after the timeout Platinum will cancel the query and the next query (if applicable) will be run. Cancelling the query also allows the user to exit Platinum without error.

Limitations

Changes to LIMS settings are tested to the best of our ability, however, we cannot be held liable for any changes that may be required to the software, or any laboratory software, used for LIMS integration as a result of this update.

Platinum PDF should only be used via the 'Print to Platinum PDF' functions within the Platinum 6.2 software and should never be set as the default printer. Alternate PDF creators are not recommended for use within Platinum.

This patch has been tested internally by Helena Biosciences Europe to ensure the core functionality is as expected, however, user specific usage cannot be reviewed. A review of the new features outlined in this document and local change control/verification of Platinum performance should be carried out to ensure continuity of performance.

Contact

Please contact Technical Support (support@helena-biosciences.com) for further details.