





v6.0.2

Laura version 6.0.2 is now released!

Added scintillant pump calibration function for Beta-RAM model 6. A calibration function has been added to support the Beta-RAM 6 scintillation cocktail pump. It operates in a very similar fashion to the pump calibration tool for previous B-RAM models.



The tool is under the system tab in Laura 6.0.2.

You use it as you did in previous models by setting a range of values and collecting and measuring the amount of scintillation cocktail delivered at each value.

Pump Calibration Wizard		×	<					
Calibrate Pump Calibrate the scintillant pump								
<u>C</u> alibration Name	Sales-w10-kh							
<u>S</u> cintillant	FlowLogic U	~						
<u>P</u> ump Range	Standard Pump	: High Range \sim						
Pump measurements la	st updated:	07 May 2019 12:37:59						
Instrument Serial No:		R6/0517/007						
Pump DAC Flow Rat (09999) (mL/min		Pump Flow Rate						
500 0.60	<u>E</u> dit	55						
1500 1.51	Delete	6						
3000 2.80		5						
6000 5.30								
9000 7.64								
Click Next to continue.		Pump DAC						
Print	< <u>B</u> a	ack <u>N</u> ext > Cancel]					

Please note: The range of values (DAC) is now 0-9999 in keeping with the window settings etc., for the Beta-RAM 6. The values in the example above are probably a good range to use.

Added peak rejection option for rejecting peaks below a specified signal to noise ratio.

Functionality has been added to the find peaks tool to enable the user to specify a minimum signal to noise ratio.





Any component that falls below this level is marked on the chromatogram as rejected, flagged in the region table and excluded from the calculated result.

Added ability to set the polarity on ECD module.

To further enhance the support of the Logi-CHROM EC detector the functionality has been added to allow the user to select the polarity as part of the method set up.

Electro	od Wizard Chemical Detector nfigure the electro chemical detect	or						- 6.	×
	ingure are created chemical acteur								
Me	easurement Settings 🔥 🔥	Select the configuration opti	ions for	the electro chemi	cal detector.				
Ç,		<u>C</u> ell	On	\sim					
0	Method Information	Store Signal							
	HPLC Modules	Measurement Mode	DC	\sim					
	Cells and Flow Rates	<u>D</u> C Filter	Off	\sim					
E	Channel Parameters	DC <u>R</u> ange	50 nA	~					
	ß-RAM Settings	DC Potential	0.50	↓ V					
	-	Set Oven Temperature	35	€ °C					
	Pump	Pulse <u>F</u> ilter	Off	\sim					
- -	Autosampler	P <u>u</u> lse Range	$1 \; \mu \text{A}$	\sim					
	Column Compartment	Pulse <u>S</u> ample Time	20	🚔 ms					
-	UV Detector	<u>P</u> ulse	No.	Potential (V)	Time (ms)				
₽⇔	Electro Chemical Detector		1	0.:		100 100			
			3	-0.3		100			
	Errors		4	0.0		0			
		/	_			0			
Measurement Correction Polarity Positive V									
Ö	Quench Correction	Dwell	Negat						
10		Click Next to continue.	-	\sim					
Print	Save						< <u>B</u> ack	<u>N</u> ext >	Cancel

Added functionality to the summary tables utility.

The functionality of the summary table has been extended to allow more values to be included in the detail displayed. The additional values available include...%Largest, Signal to Noise Ratio, Mass, Asymmetry Factor, Tailing Factor, Theoretical Plates, Energy Resolution, Resolution, Capacity Factor, Noise, Noise SD.



Added ability to change cell volume dynamically when standard installed in Beta-RAM model 6.



This function is part of the service utility and will not only be useful from a service point of view but also helps perform the instrument validation tests.

Added ability to run scintillant pump for a set time in Beta-RAM 6 service dialogue.

B-RAM 6 Service						×
Service Control Instrument Configuration	n Cell Information					
Scint Pump	-Windows and High Vol	tage	Threshold	l and Crossta	lk	
Scint Flow 0.00 Scint Pump	Radio 1 Lower	200 🚔	Threshol	d	80	
Split Ratio 0 Close Valve	Radio 1 Upper	Radio 1 Upper 9999		Static Crosstalk		
Cell Volume 500	Radio 2 Lower	200 💂	Zeros Limit		2	•
Iris 100	Radio 2 Upper	9999	Non-Zer	Non-Zeros Limit		-
RadWaste	Left High Voltage	1000	Cell Type	2	Liquid	\sim
Hot Waste Cold Waste Right High Voltage 1000 Chemium				luminescence	e Subtractio	n
Timed Scint Pump Run			Analog O	utputs		
Scint Flow (mL/min) 0.00	Pump Time 1m	Start	Analog C	output 1	0	▲ ▼
Efficiency Test			Analog C	output 2	0	
Reference Date 03/08/2016 -	DPM	108000 💂	Signal	Counts	Mean	
Isotope H-3 \vee	Efficiency	N/A	Radio 1			
			Radio 2			
Reset Means Clear Error	Transfer HV	Index FC	PMT	Counts	Mean	
		Index I C	Left			
			Right			

This function has been added to help engineers perform the preventative maintenance tasks regarding the scintillant delivery on the instrument.

Added ability to run scintillant pump for a set time in Beta-RAM 6 service dialogue.



This has been added to make the reporting function for the multi-channel analysers more complete.

Added the ability to link or un-link a Laura project from a Debra study.

If Laura and Debra security are linked then under the project manager tool a project can be created in Laura and linked to a Debra study. Projects can also be un-linked.

Added group replicates function to calibration tool.



Users already have the ability to bookend standards as a default when creating a calibration this new function allows the calibration sequence to be set up so that replicates are grouped together. For example 1, 1, 1, 10, 10, 10, 100, 100, 100 instead of 1, 10, 100, 1, 10, 100, 1, 10, 100.

Added functionality to automatically import LSC and plate reader data from a specified location.

Options			
Audits	LSC Format	Sense bit	
Automatic LSC Import	Source Folder	É	
Batch Fields	Target Project	v	

This function has primarily been added to support automatic data import from the Hidex Sense instrument but could possibly be extended to support other counters and plate readers. This is potentially a very useful feature for support of data integrity and regulatory compliance.

Added to the options for reading well plates in the LSC import tool.

Functionality has been added to support different sequences when Laura is importing and creating chromatograms from plate readers.

Edit LSC Format					×		
<u>N</u> ame	Sense bxt	Flow <u>R</u> ate	1.00	mL/min	Preview Data		
Delimiter Type	Fixed ~	Fraction <u>T</u> ime	10s				
Sort Order	Unsorted ~	Run Time	0s				
File E <u>x</u> tension	Unsorted Serpentine	Pact <u>o</u> r	100.0 🚔	%			
Line Suffix	Horizontal Horizontal Serpentine	Shift	0s				
CPM <u>S</u> tart	Vertical Vertical Serpentine	Units	CPM ~				
Header Lines	0 🚔 Shee <u>t</u> 0 🚔	Background vials	0				
Comment Start	1 🛊 End 1 🖨	Standard position	Start \sim				
<u>R</u> eport Template	≧	Standard <u>v</u> ials	0				
Allow negative C	PM	Histogram					
Skip lines contair	ning letters	Background Correct					
Resample Fraction	ons	Show Background	d/Standard vials	5			
Change settings on opening file							
Select <u>F</u> ile	Use Automatic Settings			ОК	Cancel		

So a new 'Sort Order' drop-down with options for Unsorted, Serpentine, Horizontal (A1-A12, B1-B12, C1-C12..), Horizontal Serpentine (A1-A12, B12-B1, C1-C12..), Vertical (A1-H1, A2-H2, A3-H3..) and Vertical Serpentine (A1-H1, H2-A2, A3-H3..) has been added.

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