

# ***501RP+***

DATA MANAGEMENT SOFTWARE  
FOR TOSOH'S CLINICAL HPLC  
AND IMMUNOASSAY SYSTEMS



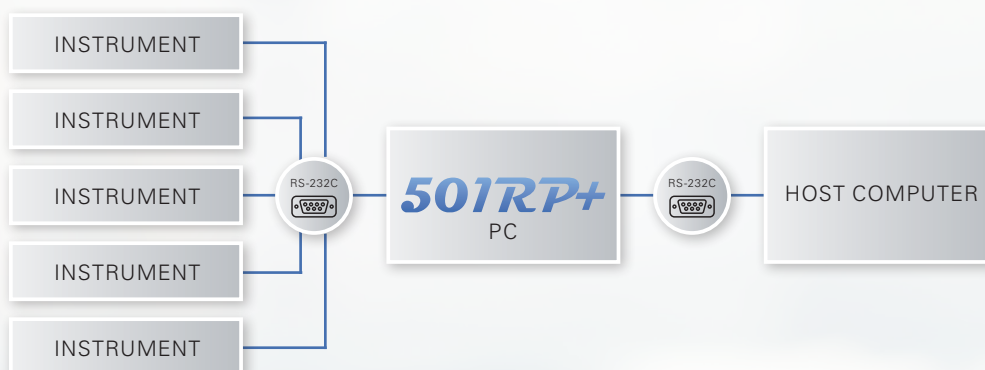
**TOSOH BIOSCIENCE**

# OPERATIONAL FEATURES



## CONNECTIVITY

- Connect up to 5 Tosoh instruments in bidirectional way with the 501RP+ desktop PC
- Connect Tosoh HLC-723G8, HLC-723GX, HLC-723G11, AIA-360, AIA-900, AIA-2000



## DAILY CONVENIENCE

- Day-to-day activity check
- Colour-coded workflow status overview
- Analyte statistics
- Print results in flexible format
- Customizable Patient results chart
- Search functions on analysis mode/ type of instrument
- Manual validation

501RP+

File View System Help

Monitor GHB Result

Instrument ID: ALL Specimen ID: Patient ID: Find

Status of Order: Control Patient Assay Final Flag Pending Reject

Specimen ID	Material	Order Comment	Analyte1	Analyte2	Analyte3	Analyte4	Analyte5	Patient ID	SS No.
1 1412080001	Sp.1		sA1c% Std	F% Var	sA1c% Var			9512000001	80010100001
2 1412080002	Sp.1		F% Var	sA1c% Var				9512000002	80010100002
3 1412080003	Sp.1		F% Var	sA1c% Var				9512000003	80010100003
4 1412080004	Sp.1		F% Var	sA1c% Var				9512000004	80010100004
5 1412080005	Sp.1		F% Var	sA1c% Var				9512000005	80010100005
6 8021975	Control		F% Var	sA1c% Var					

Order Field:

Specimen ID	Material	Order Comment	Analyte	Patient ID	SS No.	Last Name
1						
2						
3						
4						
5						
6						

Print Control Fix Order

# RESULT AND REAGENT MONITORING



## QUALITY CONTROL FOLLOW-UP

- Levey-Jennings plots for QC result follow-up
- Selectable Westgard rules for in depth QC analysis
- Follow-up of all used QC material

Instrument ID : G8-1 Last Updated : Wednesday, October 23, 2013 8:28:16 PM

☒ R1: One control observation exceeds the value of mean  $\pm$  'n' SD. 'n' = 1.30

☒ R2: One control observation exceeds the value of mean  $\pm$  'n' SD. 'n' = 1.30

☒ R3: Two consecutive control observations exceed the value of mean  $\pm$  'n' SD. 'n' = 2.00

☒ R4: The difference between two consecutive control observations exceeds the value of  $\pm$  'n' SD. 'n' = 2.00

☒ R5: Four consecutive control observations exceed or fall the value of mean  $\pm$  'n' SD in the same 'n' = 3.00

☒ R6: Ten consecutive control observations exceed or fall on the same side of the mean. 'n' = 3.00

OK Cancel



## TRACEABILITY

- Trace patient results back to the reagent lot number used for the analysis\*
- Trace reagents towards expiry date\*
- Trace maintenance and service interventions\*\*

Instrument ID : G8-1 ☒ Enable the reagent traceability.

On-board Reagents :

Type of Reagent	Lot number	Expiration Date	On-board Date	Expiration after opening	Remaining Days	Comment
Column	SJ1497A	12/1/2016	12/11/2014			
Elution 1	D8-101S	12/1/2015	12/11/2014	3/11/2015	90	
Elution 2	D8-201S	12/1/2015	12/11/2014	3/11/2015	90	
Elution 3	D8-301S	12/1/2015	12/11/2014	3/11/2015	90	
HWS	HW12E/B	3/1/2016	12/11/2014	3/11/2015	90	
Control	AB2040	12/1/2015	12/11/2014	12/18/2014	7	
Calibrator	ZS2002	12/1/2015	12/11/2014	12/18/2014	7	

Edit Comment Replace the Reagent

On-board Trace

\* For GX, G8 and G11 instruments only.

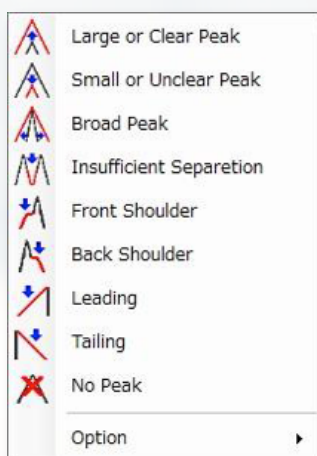
\*\* Screen not shown.

# SPECIFIC FEATURES FOR HLC-723<sup>®</sup>G8 AND HLC-723<sup>®</sup>G11

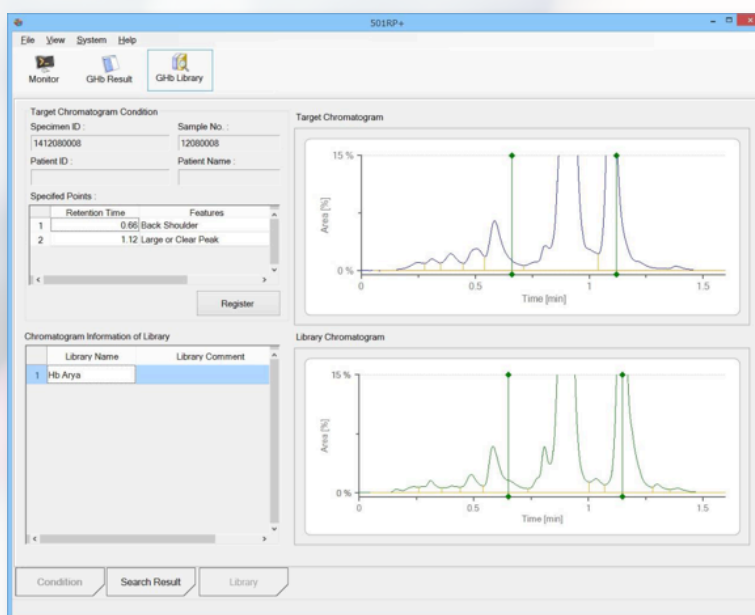


## CHROMATOGRAM CHECK

- Adaptable
- Haemoglobin variant chromatogram database/library\* featuring:
  - Overlays of known chromatograms
  - Haemoglobin chromatogram comparison tools in both HbA1c and  $\beta$ Thalassaemia mode
  - Haemoglobin chromatogram search based on peak elements (shoulders, tails, peak width)



- Chromatogram comparison



\* The 501RP+ will compare chromatograms with similar results obtained previously. For unambiguous positive Hb variant identification, DNA analysis should be carried out. Feature available for G8 and to become available for G11 in the near future.



# DATA HANDLING



## DATA MANAGEMENT FEATURES

- Microsoft SQL server based database structure
- Realtime backup by realtime data mirroring on user definable location



## SYSTEM REQUIREMENTS

- PC
  - Computer and processor: Intel Core i5 3GHz or faster processor
  - Memory (RAM): 8 (GB) or more
  - Hard Disk: 500 (GB) or more
  - Display: 1280 x 1024 or higher resolution monitor
  - Operating System: Windows 8.1 Pro/Windows 10 Pro
- USB-Serial converter: MOXA Uport1610-8



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