



# SERAQUAL 365

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**bio**rex  
diagnostics





# Advancing Global Diagnostics

Biorex Diagnostics is a well-established IVD manufacturer based in the United Kingdom supplying products to over 100 countries worldwide. We have been providing our distributors and end users with high quality products for over 20 years.



**Our proven product performance**, matched with our selection of reputable distribution partners, has been instrumental in our continued success and growth. Built on a culture of quality and performance, we are committed to providing our customers with a reliable service and results they can trust.



**Our ISO 13485:2016 certification** for the design, development, manufacturing and distribution of in vitro diagnostics medical reagents and instrumentation endorses our product range and ensures that the highest quality standards are constantly maintained.



**Through our global distribution network** we provide highly accurate medical testing solutions to immunology, haematology and serological laboratories in hospitals, medical centres, clinics, blood banks and research institutions in over 100 international markets.



**Hosting an in-house Research and Development team**, we are committed to creating the next innovative IVD solutions to exceed our customer's requirements and advance the healthcare industry.

## Our Product Range

<b>CLINICAL CHEMISTRY REAGENTS</b> 	<b>LATEX SEROLOGY</b> 	<b>URINALYSIS</b> 
<b>QUALITY CONTROLS &amp; CALIBRATORS</b> 	<b>BLOOD GROUPING</b> 	<b>FOOD &amp; FEED SAFETY</b> 
<b>IMMUNOASSAYS (ELISA / CLIA)</b> 	<b>SYPHILIS TESTS</b> 	<b>INSTRUMENTATION</b> 
<b>RAPID TESTING</b> 	<b>HAEMATOLOGY REAGENTS</b> 	<b>EQA / IQC PROGRAMMES</b> 
<b>FEBRILE ANTIGENS</b> 	<b>HAEMOSTASIS</b> 	<b>NEONATAL SCREENING</b> 
<b>MOLECULAR DIAGNOSTICS</b> 	<b>WESTERN BLOT ASSAYS</b> 	



## Seraqual 365



# SERAQUAL 365

## IQC Management Software

**The Seraqual 365 IQC Management Software is a peer data QC programme designed for use with Seraqual Controls. It provides a cost effective and comprehensive package for labs who need to manage their daily QC activities on a centralized platform in real time.**

The system has a number of features to enhance data review and trouble shooting within a lab to include:

- **A dashboard interface** that presents condensed options of the features of the system showing options most frequented. It also flags any exceptions for review
- **A simple easy to use interface** that allow labs to configure and enter results easily with a need for minimal training
- **Interactive charts** for quick and easy performance review to include Histogram and Levey –Jennings
- **Exceptions reports** so data from a specified date range can be reviewed quickly
- **Statistical Comparison Report** can be in a specified date range and at either the instrument, method or all method level.
- **Peer Group Statistics** allowing you to compare your results with other labs using the same QC material
- **Advanced Statistical Analysis** that includes performance indicators such as Uncertainty of Measurement (UM), Bias, Total Error (TE) and Sigma Scores.



**Simple, Easy to Use  
Peer Comparison  
Tool**



**Real Time Data  
on a Centralised  
Platform**



**Cost Effective &  
Comprehensive QC Data  
Management Software**



# Software Overview

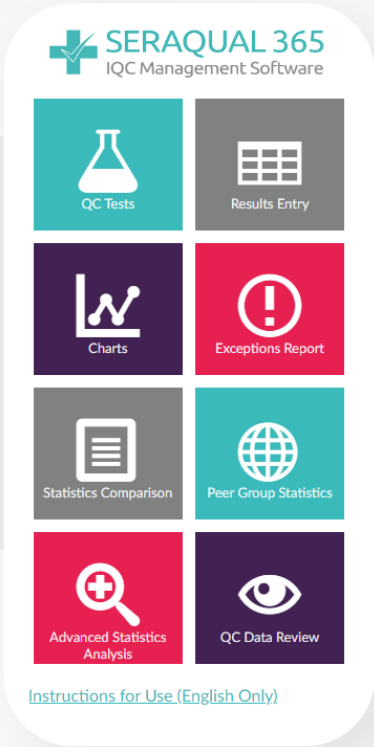
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## Dashboard

Presents condensed options of the features of the system showing options most frequented.

A full list of features that the system offers is available from the drop down at the top left hand corner.

It also flags any exceptions for review to allow rapid identification of any QC problems and allow quick and effective corrective action.



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## QC Tests

Instrument ID	Cobas				
Location	Chemistry Lab				
Instrument Name	Roche Cobas c311				
Control Type	Clinical Chemistry				
Lots	HSN029 - HSE029				
Show <input checked="" type="radio"/> Current Assays <input type="radio"/> All Assays <span style="float: right;">Add Assay</span>					
Analyte	Method	Reagent Supplier	Unit	Temperature (°C)	Current?
Acid Phosphatase Prostatic	Naphthyl with Pentandiol	Roche Diagnostics	U/L	37	<input checked="" type="checkbox"/>
Bilirubin Direct	DCA	3P Bioservice S.R.L.	µmol/L	0	<input checked="" type="checkbox"/>
CK	CK-NAC	ABX Horiba	U/L	37	<input checked="" type="checkbox"/>

This option allows a lab to quickly see the instruments registered, the programmes and lots associated with these instruments and then the associated QC test.

Here a lab can also set the Target mean and SD of a test (cumulative, user defined or Seraqual 365 (targets available for selected assayed lots)).

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## Result Entry

A simple feature to allow easy manual addition of results.

An alarm is activated if a result entered violates a multi rule set.

There are also indicators to show when a result has been edited, commented upon or reviewed.

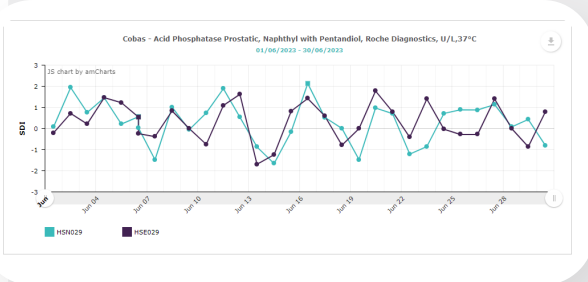
Assay: Acid Phosphatase Prostatic, Naphthyl with Pentandiol, Roche Diagnostics, U/L,37°C  Current?

Target Mean/SD	
Mean: 0.0000	Mean: 0.0000
SD: 0.000	SD: 0.000
Your Statistics	
Results: 192	Results: 192
Mean: 14.9812	Mean: 35.2177
SD: 1.268	SD: 2.643
CV%: 8.46	CV%: 7.51
Bias%: 0.00	Bias%: 0.00

Rule violation  
  Edited record  
  Comment  
  Reviewed  
 Add Result

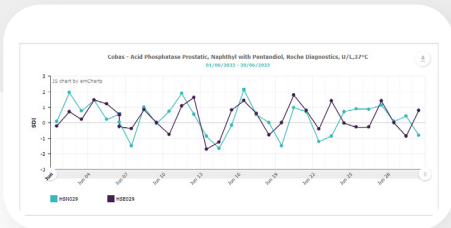
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## Charts



The Levey Jennings and Histograms interactive charts that can be generated within a specific date range are invaluable for identifying data shifts and trends.

The charts can be downloaded, saved, annotated and printed for the users convenience.



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## Exceptions Report

The Exceptions Report presents all results that have violated the multi rules set in a date range that can be specified.

Through colour coding it identifies the violated rules that are 'Alert' and those that are 'Reject'.

Any comments associated with a result are also detailed.

### Exceptions Report

Cobas - Chemistry Lab - Roche Cobas c311

Acid Phosphatase Prostatic, Naphthyl with Pentandiol, Roche Diagnostics, U/L,37°C

HSN029				HSE029			
DATE	TIME	OPERATOR	RESULT	SDI	RESULT	SDI	
06/06/2023	11:06:38	FD	15.4000 <b>10x+</b>	0.5583	36.4000 <b>10x+</b>	0.5382	

Bilirubin Direct, DCA, 3P Bioservice S.R.L., µmol/L

HSN029				HSE029			
DATE	TIME	OPERATOR	RESULT	SDI	RESULT	SDI	
07/06/2023	14:20:48	FD	8.2000 <b>1.2s</b>	2.0474	25.5000	1.8610	

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## Statistics Comparison Report

A worldwide and country comparison of statistics at either the Instrument, Method or All Method level is available in this report.

A date range can be specified.

This report includes performance indicators such as Mean, SD, CV%, Bias %, SDI and CVI.

### Statistics Comparison Report

Comparison Level: Instrument

LOT	INSTRUMENT	NO. OF RESULTS				MEAN		SD		CV%		BIAS%		SDI		CVI
		YOU	COUNTRY	WORLD	YOU	COUNTRY	WORLD	YOU	COUNTRY	WORLD	WORLD	COUNTRY	WORLD	COUNTRY		
100-01-006	Roche Cobas c111 - Chemistry Lab 2	109	109	109	14.186	14.184	0.83	0.83	5.83	4.42	4.42	N/A	N/A	N/A	N/A	N/A
100-02-006	Roche Cobas c111 - Chemistry Lab 2	109	109	109	72.623	72.620	1.15	1.15	1.58	1.58	1.58	N/A	N/A	N/A	N/A	N/A
100-03-006	Roche Cobas c111 - Chemistry Lab 2	108	108	108	233.267	233.264	3.41	3.41	1.48	1.48	1.48	N/A	N/A	N/A	N/A	N/A

LOT	INSTRUMENT	NO. OF RESULTS				MEAN		SD		CV%		BIAS%		SDI		CVI
		YOU	COUNTRY	WORLD	YOU	COUNTRY	WORLD	YOU	COUNTRY	WORLD	WORLD	COUNTRY	WORLD	COUNTRY		
HSE029	Roche Cobas c111 - Chemistry Lab	182	243	243	35.126	35.230	2.84	2.84	7.91	7.48	7.48	-0.94	-0.94	0.00	0.00	1.00
HSE029	Roche Cobas c111 - Chemistry Lab 2	142	243	243	35.196	35.230	2.33	2.54	6.63	7.48	7.48	-0.35	-0.35	-0.05	-0.05	0.89
HSN029	Roche Cobas c111 - Chemistry Lab	182	243	243	15.171	15.171	1.27	1.62	8.46	10.89	10.89	-1.25	-1.25	-0.12	-0.12	0.79
HSN029	Roche Cobas c111 - Chemistry Lab 2	142	243	243	15.122	15.171	1.88	1.62	11.14	10.89	10.89	-0.32	-0.32	-0.09	-0.09	1.04

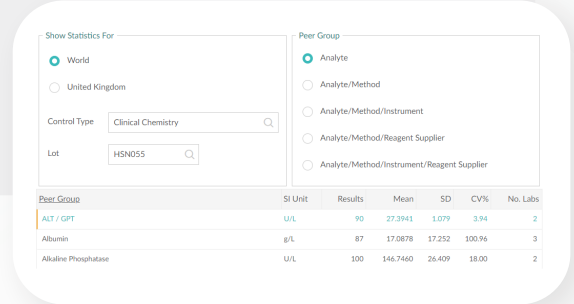
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## Peer Group Statistics

A lab can select World or Country Statistics for a chosen Control Type and Lot.

The peer group can be at a number of different levels as seen in the image.

The report includes Mean, SD, CV% and the number of labs.



Peer Group	SI Unit	Results	Mean	SD	CV%	No. Labs
ALT / GPT	U/L	90	27.3941	1.079	3.94	2
Albumin	g/L	87	17.0878	17.252	100.96	3
Alkaline Phosphatase	U/L	100	146.7460	26.409	18.00	2

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## Advanced Statistics Report

This report draws on a number of important statistical metrics that include Mean, SD, CV%, Uncertainty of Measurement (UM), Bias, TE, Sigma (BV) and Sigma (CLIA).

The report can be based at either the Instrument, Method or All Method Level and if required within a specified date range.

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## QC Data Review

A lab selects a date range (instrument, lot and assay selection is optional) and the report generated displays any results that have not yet been reviewed.

Results violating a multirule are highlighted according to their Alert or Reject status.

A reviewer has the ability to set all the results to reviewed or individually look at results and comment.

This function allow quick and easy identification of tests that may be problematic.

## Additional Features

- ✓ Programme available in English, Spanish, Chinese, Farsi and Arabic.
- ✓ Co-ordinators have the ability to look at the Statistics Comparison Report and Advanced Statistical Analysis Report of the labs they are responsible for.
- ✓ Instruction for Use available on the Software.
- ✓ Automatic deactivations of peer data to maintain the integrity of the data.

For further information please contact [admin@seraqual365.com](mailto:admin@seraqual365.com)

## New Tutorial Videos for Seraqual 365

First Steps to  
Configuration

First Steps to  
Results Entry



First Steps to  
Seraqual 365 Reports

First Steps to  
QC Data Review

Find out more:  
[www.biorexdiagnostics.com/products/seraqual-365](http://www.biorexdiagnostics.com/products/seraqual-365)





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