



TECHNOPATH

CLINICAL DIAGNOSTICS

THE QUALITY CONTROL COMPANY



REAL-TIME

AUDIT
COMPLIANT

INTERLABORATORY
COMPARISON

IAMQC
PEER

Real-Time Peer
Comparison Software

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Interlaboratory **Peer** Program

The easiest way to automate Technopath's Multichem® QC data.

What is **IAMQC Peer**?

IAMQC Peer enables **real-time peer comparison** between laboratories across the globe for all QC test data. This allows the laboratory to easily monitor its own reliability and precision.

-  Interlaboratory **Peer** Group
-  Powerful **Inter-Laboratory** QC Comparison Reports
-  Full System **Automation** Supported

Setting up Laboratory Instruments with **IAMQC® Peer**

It's as simple as step 1, 2 and 3.

1

REGISTER

Register your laboratory details at 'My Technopath'

2

SET UP

Check your email for the Set-up Wizard. Complete and submit.

3

LOGON

Receive Login details and a user guide by email.

Introduction



What is an interlaboratory program?

In its simplest form, an interlaboratory program is a means for individual labs to compare their performance against other labs. The comparison will be against other labs using the same lot of quality control (QC) material on the same test and on the same instrument type. Interlaboratory programs offer various reports to show how your instruments in your lab compare against all others

with these reports being generated at the end of the month once all data has been submitted. Some interlaboratory programs offer real-time peer comparison where the values displayed are based on all of the data that has been submitted up to the time of report generation or statistic viewing.

Why should you use an interlaboratory program?

Any laboratory that strives to achieve ISO accreditation should be part of an interlaboratory program:

"The laboratory shall participate in interlaboratory comparison programme(s) ..." - ISO 15189:2012(E), Subclause 5.6.3.1.

This ISO standard specifies the quality management system requirements particular to medical laboratories and helps to set a level of performance and competency that labs should

attain. The medical laboratory is an important part of patient care as all tests results come from the lab so ensuring your systems are in control is a vital part of this process. An interlaboratory program can provide comfort to the lab by demonstrating that your performance is in line with other labs. When your lab's performance is not in line with others, the interlaboratory program highlights this to you quickly.



PEER



How does IAMQC® Peer help with participation in an interlaboratory program?

IAMQC Peer is a web based truly real time peer comparison system. Truly real-time means that all data submitted is included in the peer statistics at the time of report generation or when viewing the interactive peer statistics.

IAMQC Peer shows labs each of their individual instruments performance and compares the accuracy and precision of the analytical processes to their peer group. The peer group will contain instruments of the same type from other laboratories using the same lot of QC material and using the same method for the test. The information from the reports and interactive peer statistics in IAMQC Peer can be extremely valuable, indicating the user's performance relative to their peer group as well as providing

powerful troubleshooting tools when attempting to resolve potential problems.

IAMQC Peer has multiple interfacing solutions to allow for the automation of data submission helping busy lab personnel to concentrate on the important activities of testing and result interpretation.

IAMQC Peer contains multiple reports, all of which provide key information to the lab in interpreting their instrument performance.

- **Group Coordinator report**

A test by test listing of statistics of the laboratory and it's peer groups for up to 3 levels of control.

- **Levey-Jennings Report**

The LJ report displays individual QC means per analyte for the selected month.

Request IAMQC® PEER Demo:
iamqcsupport@technopathcd.com



- **Exceptions Report**

This report summarises the labs tests and analytical methods which differ in performance from its peer group using SDi and CVi.

- **Monthly Summary Report**

A rolling twelve-month window of summary statistics, including monthly mean for each test and level is displayed along with peer group values.

- **Youden Plot**

The Youden plot visualizes both bias and imprecision graphically and can be used to evaluate systematic and/or random error.

- **Six Sigma**

The six sigma report automatically calculates the labs' sigma score based on the Total Allowable Error values entered.

- **Measurement of Uncertainty**

The system calculates the MoU value automatically based on the time range selected for the lot in question along with the SEM value or the running SD of each test for the time period selected.

- **Bias Report**

The bias report contains all the information in the Group Co-ordinator report plus a bias score against the cumulative peer mean for each test and is generated in Microsoft excel format.

IAMQC Peer - At a Glance

Bias Report	✓
Exception Notes Report	✓
Group Coordinator Report	✓
Levey Jennings Report	✓
Measurement of Uncertainty	✓
Monthly Standard Report	✓
Peer Report	✓
Sigma Metrics Report	✓
Youden Plot Report	✓

Benefits - IAMQC Peer

Real-time Peer data comparison	✓
Facilitates Standards approvals	✓
Centralised data management	✓
Automatic data submission	✓
Cloud based system	✓
User-Friendly	✓

Group Coordinator Report

This report provides a test by test listing of statistics for the lab and its peer groups for up to 3 levels of control material. A peer group is a group of labs using the same control material on the same test system and the same analytical method. The Group Coordinator Report documents all of the relevant data points submitted to IAMQC® and automatically provides a statistical analysis in table format.

This report provides a centralised review of all instruments from the moment the customer begins to report data and thus facilitates users meeting accreditation requirements, with respect to the storage, retrieval and statistical analysis of quality control data.

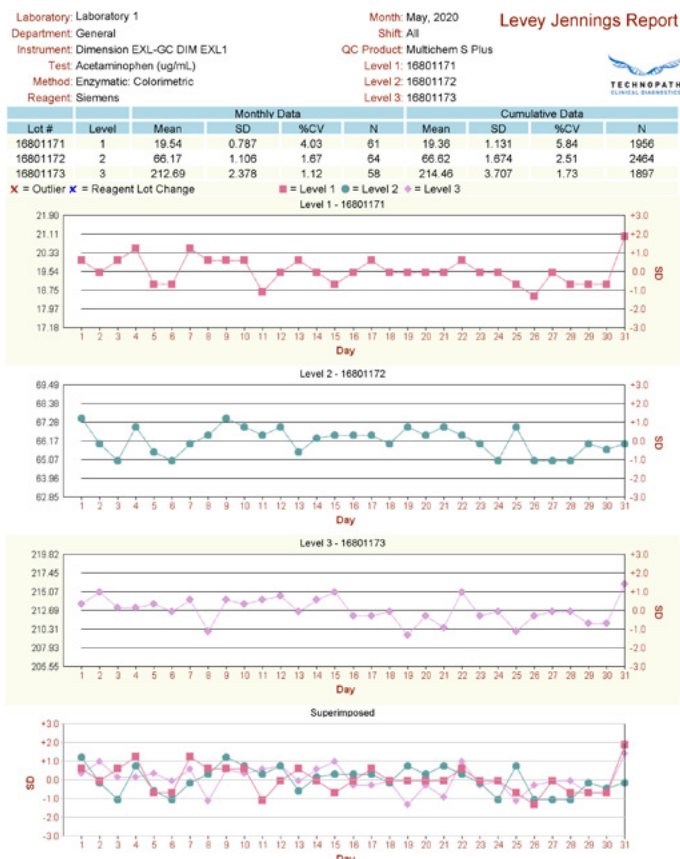
Albumin (ALB) in mg/dL														
QC Product: MICHM CSF-Lot # C0511181														
Instrument Class Name: Binding Site; Reagent: Binding Site; Method: Immunoturbidimetric														
Instrument Model: Optilite														
Lab ID-Name	S/N	Mean	SD	%CV	N	World Peer SDI	World Peer CVI	Aff Peer SDI	Aff Peer CVI	Mean	SD	%CV	N	World Peer SDI
99000126-Laboratory 16	CN Optilite A	31.97	2.001	6.26	7	0.06	1.01	0.06	1.01	62.91	3.550	5.64	8	0.09
99000126-Laboratory 16	CN Optilite C	30.29	1.431	4.73	7	-0.80	0.76	-0.80	0.76	60.16	2.876	4.78	7	-0.74
99000126-Laboratory 16	CN Optilite B	33.33	1.259	3.78	7	0.74	0.61	0.74	0.61	64.74	1.864	2.88	7	0.64
Affiliation		31.86	1.979	6.21	21	-	-	-	-	62.62	3.334	5.32	22	-
World Peer		31.86	1.979	6.21	21	-	-	-	-	62.62	3.334	5.32	22	-

Glucose (CSF0) in mg/dL														
QC Product: MICHM CSF-Lot # C0511181														
Instrument Class Name: Roche c500 series; Reagent: Roche; Method: Hexokinase														
Instrument Model: Roche c501														
Lab ID-Name	S/N	Mean	SD	%CV	N	World Peer SDI	World Peer CVI	Aff Peer SDI	Aff Peer CVI	Mean	SD	%CV	N	World Peer SDI
99000057-Laboratory 3	COBAS A1	62.03	0.809	0.98	36	-0.22	0.54	-0.22	0.54	32.00	0.348	1.09	34	-0.48
99000057-Laboratory 3	COBAS B1	61.45	0.817	1.00	33	-0.73	0.56	-0.73	0.56	31.82	0.459	1.44	34	-0.73
99000059-Laboratory 5	SS C1	60.91	1.026	1.68	34	-1.21	0.93	-1.21	0.93	31.74	0.710	2.24	34	-0.86
99000059-Laboratory 5	SS C2	61.49	0.970	1.58	39	-0.70	0.87	-0.70	0.87	32.13	0.801	2.49	39	-0.29
99000059-Laboratory 5	SS C3	62.03	1.000	1.61	36	-0.22	0.89	-0.22	0.89	32.28	0.615	1.90	36	-0.07
99000059-Laboratory 5	SS C4	62.03	1.000	1.61	34	-0.22	0.89	-0.22	0.89	32.15	0.610	1.90	34	-0.28
99000073-Laboratory 13	SIN C1	62.51	0.831	1.01	73	0.21	0.56	0.21	0.56	32.31	0.419	1.30	74	-0.02
99000073-Laboratory 13	SIN C3	62.89	0.964	1.53	76	0.55	0.85	0.55	0.85	32.72	0.567	1.73	74	0.57
99000074-Laboratory 14	SIS C1	63.00	N	N	2	0.64	0.00	0.64	0.00	33.50	N	N	2	1.70
99000074-Laboratory 14	SIS C2	63.30	0.971	1.53	64	0.91	0.85	0.91	0.85	32.85	0.667	2.03	65	0.75
Affiliation		62.28	1.124	1.80	427	-	-	-	-	32.33	0.688	2.13	426	-
World Peer		62.28	1.124	1.80	427	-	-	-	-	32.33	0.688	2.13	426	-

Levey Jennings Report

The Levey Jennings Report displays individual daily QC means for the selected month for a specific analyte. The report can be generated for two or three levels of QC material.

This report also provides a super-imposed version of all QC levels at the bottom of each sheet, highlighting any level specific bias. The top of the graph displays a summary of both monthly and cumulative data, including all of the relevant statistics for the laboratory.



Monthly Summary Report

For each test, and control level, this report displays summary statistics for the last twelve individual months and Lot-to-Date period for the laboratory and its peer groups. This data is useful for long-term intra-laboratory and inter-laboratory comparisons.

This report provides the customer with an indication of the 'usual' method accuracy and precision, allowing them to view any unexpected trending or increases in imprecision. The report also displays the customer's monthly SDI and CVI, indicating any shifts from the peer group. The 'monthly summary' report facilitates the user investigating changes in performance over time.

Exceptions Report

This report summarizes the laboratory's tests and analytical methods which differ in performance from its peer group using SDI and CVI criteria. If a



Laboratory Name
Address 1
Address 2

Monthly Summary Report
May, 2020

Multichem NB

Affiliation: Laboratory Group

Bilirubin: Direct (DBIL) (mg/dL) - All Shift													
	LTD	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sep	Aug	Jul	Jun
	2020	2020	2020	2020	2020	2020	2019	2019	2019	2019	2019	2019	2019
MCHEM NB-Lot # 8030717B													
Your Lab													
Roche c701 - CN Roche 701 N1, Diazo, Roche													
Mean	4.85	4.85	4.87	4.82	4.83	4.82	4.78	4.88	4.90	4.93	4.87	4.93	4.86
SD	0.111	0.091	0.092	0.095	0.112	0.099	0.107	0.110	0.096	0.118	0.113	0.078	0.111
%CV	2.28	1.88	1.89	1.97	2.31	2.05	2.23	2.26	1.97	2.39	2.32	1.58	2.28
N	1265	64	75	91	100	98	75	78	90	68	90	84	75
Test System Peer													
Roche c700 series, Diazo, Roche													
Mean	4.89	4.87	4.86	4.84	4.85	4.85	4.85	4.90	4.95	4.96	4.91	4.94	4.92
Peers	10	8	10	10	10	10	10	10	10	10	10	10	10
SDI	-0.33	-0.25	0.06	-0.22	-0.14	-0.25	-0.57	-0.18	-0.41	-0.21	-0.31	-0.08	-0.42
CVI	0.86	0.89	0.65	0.77	0.84	0.79	0.90	0.88	0.69	0.99	0.94	0.64	0.86
Bilirubin: Total (TBIL) (mg/dL) - All Shift													
	LTD	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sep	Aug	Jul	Jun
	2020	2020	2020	2020	2020	2020	2019	2019	2019	2019	2019	2019	2019
MCHEM NB-Lot # 8030717B													
Your Lab													
Roche c701 - CN Roche 701 N1, Diazo, Roche													
Mean	17.83	17.62	18.27	17.99	17.76	17.80	17.73	17.51	17.61	17.75	17.78	17.99	17.73
SD	0.319	0.245	0.279	0.296	0.361	0.162	0.250	0.320	0.297	0.231	0.167	0.212	0.301
%CV	1.79	1.39	1.53	1.64	2.14	1.02	1.41	1.82	1.68	1.30	1.05	1.18	1.70
N	1968	94	119	132	121	155	120	126	144	111	132	127	125
Test System Peer													
Roche c700 series, Diazo, Roche													
Mean	17.90	17.76	17.94	17.85	17.86	17.89	17.82	17.90	17.86	17.92	17.87	17.94	17.92
Peers	16	12	16	16	16	16	16	16	16	16	16	16	16
SDI	-0.21	-0.42	0.94	0.46	-0.35	-0.27	-0.28	-1.09	-0.86	-0.53	-0.34	0.11	-0.46
CVI	0.93	0.70	0.79	0.97	1.32	0.55	0.78	0.91	1.05	0.75	0.70	0.50	0.74
Bilirubin: Direct (DBIL) (mg/dL) - All Shift													
	LTD	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sep	Aug	Jul	Jun
	2020	2020	2020	2020	2020	2020	2019	2019	2019	2019	2019	2019	2019
MCHEM NB-Lot # 8030717B													
Your Lab													
Roche c701 - CN Roche 701 N2, Diazo, Roche													
Mean	4.89	4.87	4.86	4.84	4.85	4.85	4.85	4.90	4.95	4.96	4.94	4.95	4.93
SD	0.118	0.095	0.095	0.108	0.125	0.101	0.114	0.090	0.107	0.099	0.111	0.085	0.102
%CV	2.43	1.94	1.95	2.23	2.61	2.09	2.38	1.85	2.18	1.98	2.25	1.71	2.06
N	1300	62	73	100	103	110	78	78	91	66	87	82	78
Test System Peer													
Roche c700 series, Diazo, Roche													
Mean	4.89	4.87	4.86	4.84	4.85	4.85	4.85	4.90	4.95	4.96	4.91	4.94	4.92
Peers	10	8	10	10	10	10	10	10	10	10	10	10	10
SDI	-0.07	0.09	0.13	-0.04	-0.31	-0.38	-0.52	0.00	0.07	0.22	0.22	0.12	0.09
CVI	0.91	0.92	0.67	0.87	0.95	0.80	0.96	0.72	0.76	0.82	0.91	0.69	0.78
Bilirubin: Total (TBIL) (mg/dL) - All Shift													
	LTD	May	Apr	Mar	Feb	Jan	Dec	Nov	Oct	Sep	Aug	Jul	Jun
	2020	2020	2020	2020	2020	2020	2019	2019	2019	2019	2019	2019	2019
MCHEM NB-Lot # 8030717B													
Your Lab													
Roche c701 - CN Roche 701 N2, Diazo, Roche													
Mean	17.76	17.91	17.75	17.57	17.77	17.94	17.70	17.67	17.73	17.85	17.75	17.53	17.59
SD	0.243	0.243	0.227	0.188	0.197	0.207	0.157	0.173	0.243	0.154	0.254	0.128	0.164
%CV	1.37	1.36	1.28	1.07	1.11	1.16	0.89	0.98	1.37	0.86	1.43	0.73	0.93
N	1949	85	99	130	119	159	119	119	143	109	128	128	125

specific assay does not meet specific performance criteria the information is highlighted to the user as an exception.

Acetaminophen (ug/mL) Dimension EXL - GC DIM EXL1 Siemens					
Control	Mean	SD	N	LTD Mean	Shift
Level 3 Lot # 16801173 02/05/2020 19:12:00; GR=[132.6-309.4]	220.00L	-	1	214.46	All Shift
Alanine Aminotransferase (ALT) (U/L) Dimension EXL - GC DIM EXL1 Siemens					
Control	Mean	SD	N	LTD Mean	Shift
Level 1 Lot # 16801171 21/05/2020 02:12:00; GR=[17.16-40.04]	35.00L	-	1	32.94	All Shift
Alkaline Phosphatase (ALP) (U/L) Dimension EXL - GC DIM EXL1 Siemens					
Control	Mean	SD	N	LTD Mean	Shift
Level 3 Lot # 16801173 10/05/2020 18:06:00; GR=[220.8-515.2]	334.00L	-	1	355.71	All Shift
Level 3 Lot # 16801173 12/05/2020 19:00:00; GR=[220.8-515.2]	333.00L	-	1	355.71	All Shift
Bilirubin: Total (TBIL) (mg/dL) Dimension EXL - GC DIM EXL1 Siemens					
Control	Mean	SD	N	LTD Mean	Shift
Level 3 Lot # 16801173 03/05/2020 18:52:00; GR=[5.05-11.79]	8.01L	-	1	8.52	All Shift
Carbamazepine (CARB) (ug/mL) Dimension EXL - GC DIM EXL1 Siemens					
Control	Mean	SD	N	LTD Mean	Shift

The Exceptions Report indicates the following flags:

Flag L - This value did not pass the Laboratory Outlier check, which highlights values more than ± 3 standard deviations from the lab's mean for the month. This value was included in the calculation of the lab's mean and SD for this month.

Flag P - This value did not pass the Peer Outlier Check, which highlights values more than ± 3

standard deviations from the peer's mean for the month.

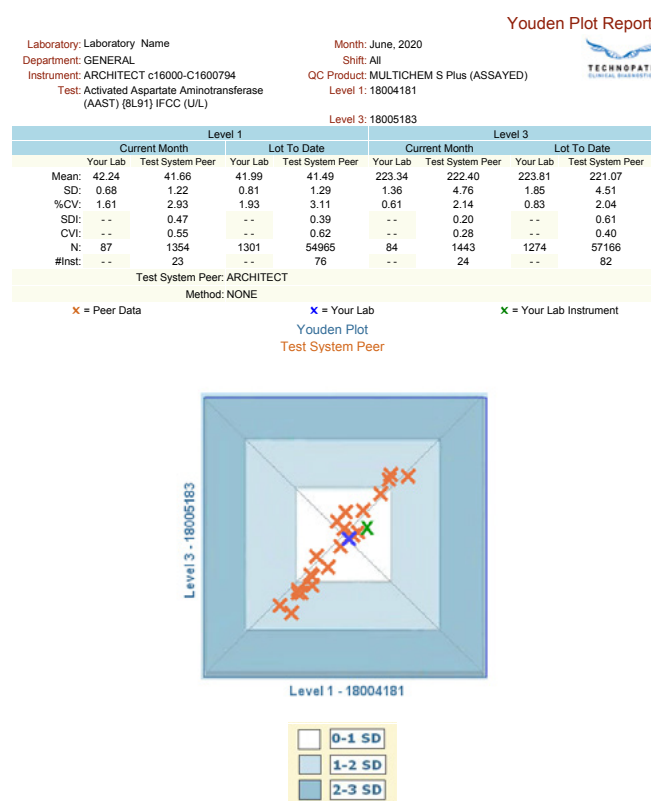
This value was included in the calculation of the peer's mean and SD for this month.

Flag G - This value did not pass the Gross Outlier Check, which excludes extremely discrepant data that falls outside of present limits for each test. This data was not processed and is not included in IAMQC® Reports and was excluded from the calculation of the peer stats.

Youden Plot Report

The Youden Report describes internal laboratory performance against the test system peer and method principle peer using the Youden Plot design. Laboratory data is tabularised at the top of the page by individual analyte. The lower half of the page provides a laboratory vs. peer comparison in the form of a Youden plot. The centre of each Youden plot represents the mean of the associated peer group.

It is appropriate to assume that each laboratory has its own systematic error. A user that has good precision could unknowingly have an error within their laboratory that is operating to displace their results from the values achieved by the rest of the peer group. The Youden plot visualizes both bias and imprecision and can be used to evaluate systematic and / or random error.



Measurement of Uncertainty

Instrument Class Name	Analyte	Method	Reagent	Units	Source	Level	Points	Mean	SD	CV(%)	SEM	Calculated MoU	Expanded MoU	Int
Siemens VISTA	Acetaminophen	Enzymatic: Colori	Siemens	ug/mL	Peer group	1	2314	19.723195	0.99876148	5.06%				1.4
Siemens VISTA	Acetaminophen	Enzymatic: Colori	Siemens	ug/mL	All instruments	1	591	19.6203423	0.96089356	4.90%				1.8
Siemens VISTA	Acetaminophen	Enzymatic: Colori	Siemens	ug/mL	HH VISTA 1	1	283	19.5336053	0.91479588	4.68%	0.097	0.91992418	1.83984837	1.7
Siemens VISTA	Acetaminophen	Enzymatic: Colori	Siemens	ug/mL	HH VISTA 2	1	308	19.7000388	0.99621303	5.06%	0.097	1.00092427	2.00184854	1.9
Siemens VISTA	Alanine Aminotransferase	UV with PSP	Siemens	U/L	Peer group	1	2282	31.525942	1.778549	5.64%				3.4
Siemens VISTA	Alanine Aminotransferase	UV with PSP	Siemens	U/L	All instruments	1	583	31.861063	1.33145022	4.18%				2.6
Siemens VISTA	Alanine Aminotransferase	UV with PSP	Siemens	U/L	HH VISTA 1	1	278	31.881294	1.44087159	4.52%	0.146	1.44824962	2.89649923	2.8
Siemens VISTA	Alanine Aminotransferase	UV with PSP	Siemens	U/L	HH VISTA 2	1	305	31.842622	1.22534354	3.85%	0.146	1.23401085	2.4680217	2.4

Measurement of Uncertainty has become an important consideration in many laboratories and is referred to by many of the accreditation bodies as a requirement during audits. There are a number of factors which must be considered when calculating uncertainty, including the chosen method, Bias, analytical errors and so

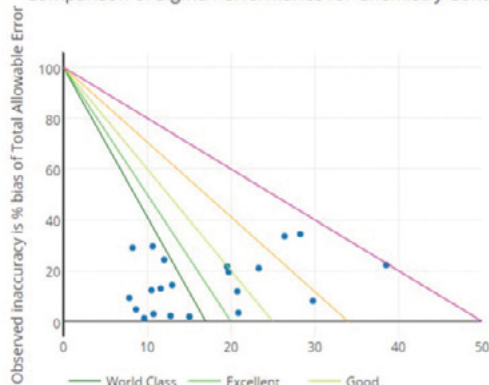
on. If uncertainty is quantified it is no longer uncertainty but the confidence interval within which the results fall. Uncertainty should be assessed regularly and attempts made to improve the value. The Measurement of Uncertainty report is generated in MS Excel format from the online IAMQC® Peer account.

Six Sigma Metrics

IAMQC Peer offers end-users the opportunity to automatically calculate and review their sigma metric performance. The system will automatically calculate imprecision and bias and once the end-user has defined their acceptability

criteria (i.e Total Allowable Error), the software will automatically calculate a sigma score for every assay that is tested in the laboratory.

Comparison of Sigma Performance for Chemistry Controls



Sigma Metrics:

Sigma Summary:				
Analyte	Units	TCD Level 1 Sigma Score	TCD Level 2 Sigma Score	TCD Level 3 Sigma Score
C-Peptide (3L53)	ng/mL	6	6	6
Cortisol (8D15)	nmol/L	6	6	6
Ferritin (7K59) (i)	ng/mL	2	6	4
High Sensitive Troponin I (3P25)	ng/L	4	4	6
Human Chorionic Gonadotropin (hCG) (7K78)	IU/L	2	3	6
Thyroid Stimulating Hormone (TSH) (7K62)	mIU/L	6	6	6
Triiodothyronine: Free (FT3) (7K63)	pmol/L	3	4	2

Bias Report

The Bias Report is a test by test listing of statistics for the laboratory and its peer groups for up to 3 levels of control material. It documents each instruments performance compared to the world peer group and any selected affiliate group, in a Microsoft Excel file. It displays each instruments

Mean, SD, %CV and N of tests for the selected month, along with the SDi, CVi and %Bias comparison with the world peer and affiliate groups. SDi results greater than 2 and CVi results greater than 1 are highlighted on the report to aid in troubleshooting assay performance.

Analyte	Method	Reagent	Level	Units	Instrument Class Name	Source	#Inst	N	Mean	SD	%CV	Bias World, %	Absolute Bias World, %	SDi	CVi	Bias World LTD, %	Absolute Bias LTD, %
CK-MB	CLIA	Siemens	1	ng/mL	Siemens EXL	World Peer LTD	6	4690	3.078942	0.290058	9.6805						
CK-MB	CLIA	Siemens	1	ng/mL	Siemens EXL	World Peer	6	285	3.088741	0.353153	11.4336						
CK-MB	CLIA	Siemens	1	ng/mL	Siemens EXL	GC DIM EXL1	1	64	3.215668	0.213218	6.6306	4.1093	4.1093	0.359411	0.579922	4.4407	4.4407
CK-MB	CLIA	Siemens	1	ng/mL	Siemens EXL	GC DIM EXL2	1	47	3.33824	0.217239	6.5074	8.0809	8.0809	0.706773	0.569147	8.4249	8.4249
CK-MB	CLIA	Siemens	2	ng/mL	Siemens EXL	World Peer LTD	6	5858	8.717137	0.60401	6.9131						
CK-MB	CLIA	Siemens	2	ng/mL	Siemens EXL	World Peer	6	324	8.587012	0.727331	8.4701						
CK-MB	CLIA	Siemens	2	ng/mL	Siemens EXL	GC DIM EXL1	1	63	8.831784	0.422677	4.7859	2.8505	2.8505	0.336535	0.565035	1.0833	1.0833
CK-MB	CLIA	Siemens	2	ng/mL	Siemens EXL	GC DIM EXL2	1	47	9.085163	0.452995	4.9861	5.8012	5.8012	0.684903	0.588671	3.9833	3.9833
CK-MB	CLIA	Siemens	3	ng/mL	Siemens EXL	World Peer LTD	6	5539	40.352058	2.602779	6.4502						
CK-MB	CLIA	Siemens	3	ng/mL	Siemens EXL	World Peer	6	337	39.246922	2.473257	6.3018						
CK-MB	CLIA	Siemens	3	ng/mL	Siemens EXL	GC DIM EXL1	1	56	39.605389	1.14549	2.8923	0.9134	0.9134	0.144937	0.458964	-1.8504	1.8504
CK-MB	CLIA	Siemens	3	ng/mL	Siemens EXL	GC DIM EXL2	1	41	39.126882	1.365286	3.4894	-0.3059	0.3059	-0.048535	0.553715	-3.0362	3.0362
Human Chorionic Gona	CLIA	Siemens	1	mIU/mL	Siemens EXL	World Peer LTD	6	4770	3.982677	0.557847	14.0068						
Human Chorionic Gona	CLIA	Siemens	1	mIU/mL	Siemens EXL	World Peer	6	290	3.865814	0.471538	12.1976						
Human Chorionic Gona	CLIA	Siemens	1	mIU/mL	Siemens EXL	GC DIM EXL1	1	65	3.990796	0.185177	4.6401	3.233	3.233	0.265052	0.380411	0.2039	0.2039
Human Chorionic Gona	CLIA	Siemens	1	mIU/mL	Siemens EXL	GC DIM EXL2	1	47	4.08301	0.192619	4.7176	5.6184	5.6184	0.460612	0.386765	2.5192	2.5192
Human Chorionic Gona	CLIA	Siemens	2	mIU/mL	Siemens EXL	World Peer LTD	6	5852	33.285198	1.445802	4.3437						
Human Chorionic Gona	CLIA	Siemens	2	mIU/mL	Siemens EXL	World Peer	6	320	33.551464	1.392085	3.9703						
Human Chorionic Gona	CLIA	Siemens	2	mIU/mL	Siemens EXL	GC DIM EXL1	1	63	33.730195	0.741968	2.1997	0.5327	0.5327	0.134174	0.554039	1.3369	1.3369
Human Chorionic Gona	CLIA	Siemens	2	mIU/mL	Siemens EXL	GC DIM EXL2	1	47	32.895797	1.081255	3.2869	-1.9542	1.9542	-0.492211	0.827872	-1.1699	1.1699
Human Chorionic Gona	CLIA	Siemens	3	mIU/mL	Siemens EXL	World Peer LTD	6	5619	615.250183	23.699465	3.852						
Human Chorionic Gona	CLIA	Siemens	3	mIU/mL	Siemens EXL	World Peer	6	336	614.136047	24.10911	3.9257						
Human Chorionic Gona	CLIA	Siemens	3	mIU/mL	Siemens EXL	GC DIM EXL1	1	57	613.894782	19.81675	3.1262	3.2173	3.2173	0.819555	0.796342	3.0304	3.0304
Human Chorionic Gona	CLIA	Siemens	3	mIU/mL	Siemens EXL	GC DIM EXL2	1	41	619.207356	19.262815	3.1109	0.8258	0.8258	0.210348	0.792445	0.6432	0.6432
NT Pro-BNP	CLIA	Siemens	1	pg/mL	Siemens EXL	World Peer LTD	6	4838	22.455153	1.754119	7.8117						
NT Pro-BNP	CLIA	Siemens	1	pg/mL	Siemens EXL	World Peer	6	300	20.576593	1.192686	5.7963						
NT Pro-BNP	CLIA	Siemens	1	pg/mL	Siemens EXL	GC DIM EXL1	1	66	20.693636	1.266695	6.1212	0.5688	0.5688	0.098134	1.056053	-7.8446	7.8446
NT Pro-BNP	CLIA	Siemens	1	pg/mL	Siemens EXL	GC DIM EXL2	1	48	20.497076	1.367998	6.6712	-0.3864	0.3864	-0.066671	1.150941	-8.7199	8.7199
NT Pro-BNP	CLIA	Siemens	2	pg/mL	Siemens EXL	World Peer LTD	6	6097	196.823831	9.539983	4.5502						
NT Pro-BNP	CLIA	Siemens	2	pg/mL	Siemens EXL	World Peer	6	349	189.7665	8.26889	4.3574						
NT Pro-BNP	CLIA	Siemens	2	pg/mL	Siemens EXL	GC DIM EXL1	1	64	192.26078	8.392119	4.365	1.3144	1.3144	0.301646	1.001744	-2.3183	2.3183
NT Pro-BNP	CLIA	Siemens	2	pg/mL	Siemens EXL	GC DIM EXL2	1	48	190.0625	8.859195	4.6612	0.156	0.156	0.035797	1.06972	-3.4352	3.4352
NT Pro-BNP	CLIA	Siemens	3	pg/mL	Siemens EXL	World Peer LTD	6	5482	7043.83478	147.337813	4.798						

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