Weqas Unit 6, Parc Tŷ Glas Llanishen, Cardiff, CF14 5DU

Tel: 02920 314750 Fax: 02920 314760 Email: contact@weqas.com



EXTERNAL

QUALITY

ASSESSMENT



INTERNAL QUALITY CONTROL



REFERENCE MEASUREMENT SERVICES



EDUCATION & TRAINING



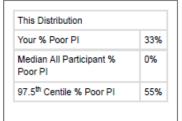
GLOBAL PROVIDER OF QUALITY IN DIAGNOSTIC MEDICINE

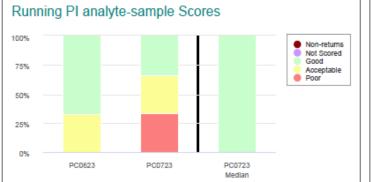
Identifying Errors using Problem Solving Tools - a Practical Case Workshop

Sam Jones / Nicola Blount

Programme: Procalcitonin • Distribution Code: PC0723 Distribution Start: 18-Jul-2023 • Distribution End: 01-Aug-2023 • Report Issued: 10-Aug-2023 • Report Status: Final Requested By: gareth@wegas.com

Case study Example



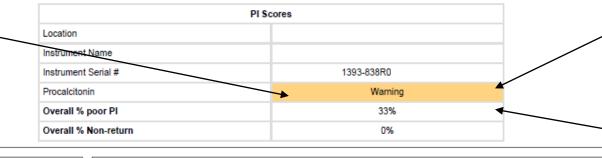




Hyperlink to take you directly to the analyte report

No Wegas specific PI comment to note Code Not enrolled for this analyte

No Participant comment to note



***** Please note*******

The NQAAP expects 100% compliance on EQA returns. If you are enrolled for an analyte and have not returned a result (denoted by NRR in your PI table), this will be treated as a poor performance score. Please let us know as soon as possible if you are no longer providing this analyte as part of your diagnostic service.

Distribution Specific Comment

This quantitative analyte not scored for this distribution

Meaning

Analyte enrolled but no

results returned

There is no specific comment for this distribution.

No participant comments have been submitted for any instruments for this distribution.

Individual Sample Pls converted to performance category of 'warning'

This instrument has 33% poor Pl. Signifies that 1 sample out of the 3 samples for this distribution has a poor score (1 analyte, 3 samples).

Programme: Procalcitonin • Distribution Code: PC0723

Distribution Start: 18-Jul-2023 • Distribution End: 01-Aug-2023 • Report Issued: 10-Aug-2023 • Report Status: Final

Participant Code: WQ000 • Location: • Analyser Name: n/a • Serial #: 1393-838R0

Date Samples received: 19-Jul-2023 • Date of Analysis: 19-Jul-2023 • Operator Details: TH • Storage Conditions: 2 - 8 °C

Analyte: Procalcitonin • Method: Radiometer • Kit: PCT Test Kit (942-970)

			Procalcitonin ng/ml		
	Your reported result (ng/ml)		Method: Radiometer	Instrument Model: AQT90 FLEX	Overall
		Mean	0.575	0.575	0.485
Sample 1	0.58	SD	0.024	0.024	0.038
		Uncertainty	0.0148	0.0148	0.0067
		n	4	4	52
		Mean	4.525	4.525	3.551
Sample 2	4.4	SD	0.251	0.251	0.294
		Uncertainty	0.1572	0.1572	0.0509
		n	4	4	52
		Mean	9.325	9.325	7.291
Sample 3	9.5	SD	0.457	0.457	0.615
p.0 0	3.5	Uncertainty	0.2857	0.2857	0.1067
		n	4	4	52

Your result compared to Method and Overall Mean.

AQT90 Flex shows positive bias compared to the OM.

Hyperlink here to drill down into instrument details for this method group.

Weqas

Instrument Report

Distribution Code: PC0723
Distribution Date: 18-Jul-2023
Analyte: Procalcitonin (ng/ml)
Method: Radiometer
Manufacturer: All
Instrument Model: AQT90 FLEX
Kit: All

Procalcitonin

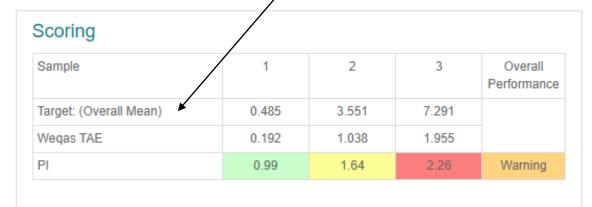
Key



Participant Code	Location Name	Instrument Name	Instrument Serial Number	1	2	3
WQ0000			838R0	0.57	4.6	8.9
WQ00			1393-838R0	0.58	4.4	9.5
WQ0			I393-838R	0.55	4.3	9.1



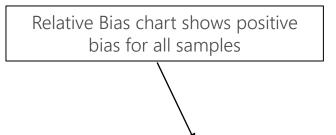
Target value shows whether you are scored against Overall Mean, Method Mean or Reference Value

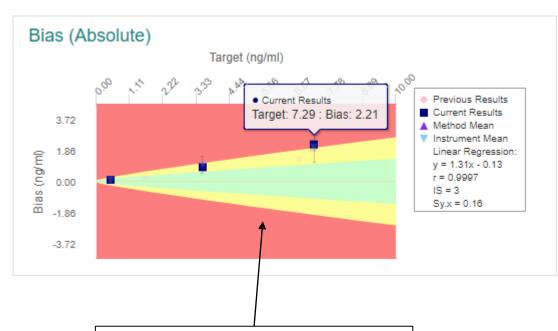


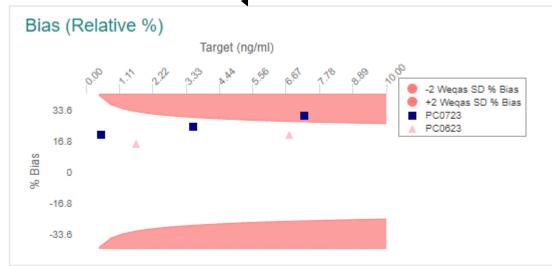


Running PI shows worsening performance since PC0623









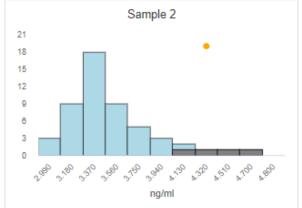
Absolute Bias chart shows proportional positive bias (31%).

Participant data follows instrument data.

The histograms shows breakdown of results for each sample, showing the spread of results for All Results, 'My Method' and 'My Instrument'.

The Method Summary shows Mean and CV for each Method for each sample.

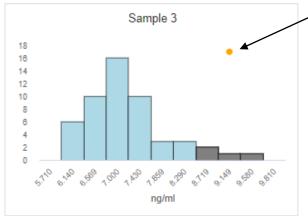




■ All Results ■ My Method ■ My Instrument ● My Result

Sy.x is the average deviation from the best fit line and is an index of scatter.

IS Score	Interpretation
0 to 10	Good
11 to 150	Acceptable to Warning level
> 150	Unacceptable (incl. Curvilinear Data)



Method Summary

Sample 1

PC0723	Samp	le 1	Samp	le 2	Sample	e 3
Method Name	Mean	CV%	Mean	CV%	Mean	CV%
Abbott (n=8)	0.326	19.1	2.519	10.8	5.025	11.4
Beckman (n=8)	0.469	8.4	3.745	6.5	7.706	7.2
Radiometer (n=4)	0.575	4.1	4.525	5.6	9.325	4.9
Roche ECLIA (n=29)	0.486	5.0	3.412	5.4	7.056	6.3
Siemens (n=3)	0.673	3.5	4.963	1.7	10.220	3.1

There are no Wegas or Participant supplied comments for Procalcitonin for this distribution.

Weqas

The orange dot shows where your result lies. An orange arrow signifies your result is outside of the graph limits.

Any analyte
specific
comments from
Weqas or
the participant are
shown here.

6



Simplified report for example case





Summary Report

Analyte: Procalcitonin

Overall Performance Category: Warning

Running PI analyte –sample scores: 1 sample with poor PI, 1 sample with acceptable PI, 1 sample with good PI

Standard Report

Analyte results table: Your results seem to fit in well with method and instrument but not overall

Scoring Table: 1 sample with poor PI, 1 sample with acceptable PI, 1 sample with good PI, Overall Performance Category:

Warning

Running Pl scores: Last dist 2 good, 1 acceptable, this dist 1 good, 1 acceptable, 1 poor

Bias Chart (Absolute): Positive bias, proportional bias of 31%

Bias Chart (Relative): Positive bias, can see this dist worse than last dist

Precision Scores: Sy.x 0.16, IS 3 – both good – no issue with precision

Sample Histograms: Sample 1 off the chart, samples 2 and 3 toward right hand side of chart, results seem to fit with 'my

instrument'

Method Summary Data: My method, Radiometer, higher than all other methods except Siemens

Simplified Report

Traffic Light: Amber

Overall Performance score: Warning

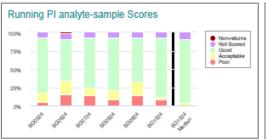
Running Performance: Last dist 2 good, 1 acceptable, this dist 1 good, 1 acceptable, 1 poor

Bias (Absolute): positive bias, this dist and last (this dist maybe getting worse)

Programme: Blood Gas • Distribution Code: BG1024

Distribution Start: 14-Oct-2024 • Distribution End: 28-Oct-2024 • Report Issued: 08-Nov-2024 • Report Status: Final Requested By: gareth@wegas.com





	PI Rang)86
returns	<1	Good
Scored d	1-2	Acceptable
eptable	>2	Poor

PI	Scores
Location	
Instrument Name	
Instrument Serial #	246
рН	N/S
[H+]	Good
pCO2	Acceptable
pO2	Poor
Actual Bicarbonate (aHCO3)	Good
TCO2	Good
Sodium	Good
Potassium	Good
Chloride	Good
Ionized Caldum	Good
Glucose	Warning
Lactate	Good
Urea	Good
Creatinine	Acceptable
Overall % poor PI	7%
Overall % Non-return	0%

PI Code	Meaning
N/A	Not enrolled for this analyte
NRR	Analyte enrolled but no results returned
N/S	This quantitative analyte not scored for this distribution

***** Please note*******

The NQAAP expects 100% compliance on EQA returns. If you are enrolled for an analyte and have not returned a result (denoted by NRR in your PI table), this will be treated as a poor performance score. Please let us know as soon as possible if you are no longer providing this analyte as part of your diagnostic service.

Distribution Specific Comment

There is no specific comment for this distribution.

Case study 1



Programme: Blood Gas • Distribution Code: BG1024
Distribution Start: 14-Oct-2024 • Distribution End: 28-Oct-2024 • Report Issued: 08-Nov-2024 • Report Status: Final

Participant Code: WQ00000 • Location:

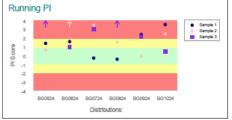
• Analyser Name: n/a • Serial #: 246

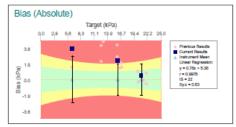
Date Samples received: 17-Oct-2024 • Date of Analysis: 18-Oct-2024 • Operator Details: D38 • Storage Conditions: Ambieretriperature

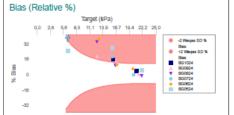
Analyte: p02 • Method: epoc • Kit: epoc BGEM Test Card ((epoc BGEM) 22-347-440)

			pO2 kPa		
	Your reported result (kPa)		Method: epoc	Instrument Model: epoc	Overall
		Mean	6.54	6.54	5.13
Sample 1	10.33	SD	1.40	1.40	2.51
		Uncertainty	0.148	0.148	0.064
		n	139	139	2395
		Mean	15.99	15.99	15.09
Sample 2	18.27	SD	0.96	0.96	0.77
		Uncertainty	0.102	0.102	0.020
		n	138	138	2392
		Mean	20.89	20.89	20.25
Sample 3	21.38	SD	0.93	0.93	0.75
		Uncertainty	0.100	0.100	0.019
		n	137	137	2393

Sample	1	2	3	Overall Performance
Target: (Method Mean)	6.54	15.99	20.89	
Weqas TAE	2.17	1.87	2.16	
PI	3.5	2.44	0.45	Poor



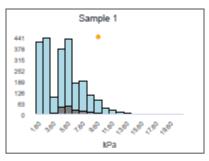


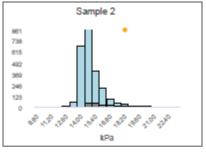


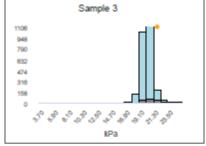


Precisio	on					
	BG0524	BG0624	BG0724	BG0824	BG0924	This distribution: BG1024
Sy.x	2.55	1.02	1.43	0.63	0.73	0.53
IS	267	720	185	161	130	22

IS Score	Interpretation
0 to 10	Good
11 to 150	Acceptable to Warning level
> 150	Unacceptable (Incl. Curvilinear Data)







Method Summary

BG1024	Sam	Sample 1		Sample 2		ple 3
Method Name	Mean	CV%	Mean	CV%	Mean	CV%
ABL 800 Series (n=25)	6.35	6.0	15.88	3.1	20.65	3.2
ABL 90 FLEX (n=912)	2.63	7.4	14.63	2.9	20.46	2.5
cobas b 123 (n=25)	4.21	7.0	14.50	3.5	19.95	3.5
cobas b 221 (n=52)	10.46	4.4	16.86	2.2	20.86	2.8
epoc (n=139)	6.54	21.4	15.99	6.0	20.89	4.5
Gem Premier 4000 (n=87)	6.57	6.7	15.57	3.0	20.51	3.2
Gem Premier 5000 (n=529)	5.37	12.1	14.90	3.3	19.88	3.0
I-STAT (n=350)	8.71	12.4	16.33	5.8	20.44	4.5
Prime + (n=9)	3.24	11.6	15.55	3.4	21.04	3.1
Rapidpoint 500/500e (n=254)	6.11	6.9	15.07	2.5	19.51	2.0

Simplified Report

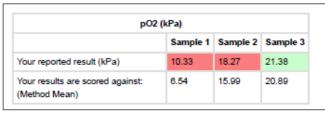
Programme: Blood Gas • Distribution Code: BG1024

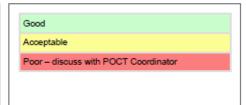
Distribution Start: 14-Oct-2024 • Distribution End: 28-Oct-2024 • Report Issued: 08-Nov-2024 • Report Status: Final

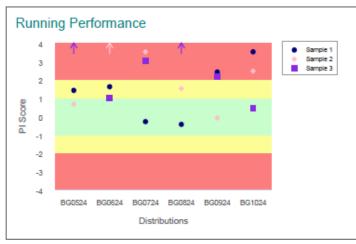
Participant Code: WQ00000 • Location: • Analyser Name: n/a • Serial #: 246

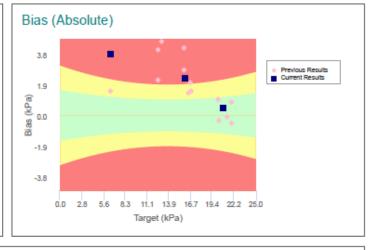
Date Samples received: 17-Oct-2024 • Date of Analysis: 18-Oct-2024 • Operator Details: • Storage Conditions: Ambient

Analyte: pO2 • Method: epoc • Kit: epoc BGEM Test Card ((epoc BGEM) 22-347-440)









Your overall performance for this analyte is: Poor

- . You have at least one sample in this distribution with a very poor score: |score| > 3
- . You have at least two samples in this distribution with a poor score: |score| > 2

Please discuss your results with your EQA officer / POCT Co-ordinator

There are no Wegas or Participant supplied comments for pO2 for this distribution.

www.weqas.com



11

Summary Report

Analyte: pO₂

Overall Performance Category: Poor

Running PI analyte –sample scores: many previous poor and acceptable scores, very few good scores, majority showing significant pos bias

Standard Report

Analyte results table: Results high compared to method/instrument mean and overall mean

Scoring Table: Samples 1 and 2 poor PI, Overall Performance Category: Poor

Running PI scores: Consistently high positive PI scores, several higher than a PI of 4.

Bias Chart (Absolute): Linear regression analysis – 0.78x + 5.38. Indicates mixed error.

Bias Chart (Relative): Consistent pattern on more pronounced bias at lower concentrations.

Precision Scores: Sy.x 0.9978, IS 22. Acceptable to warning (precision actually better this dist compared to previous)

Sample Histograms: All samples are at the furthest 'right edge' so showing higher results compared to 'my instrument'

Method Summary Data: Method in question has relatively high CV% for sample 1.

Simplified Report

Traffic Light: Red

Overall Performance score: Poor

Running Performance: Consistently high positive PI scores, several higher than a PI of 4.

Bias (Absolute): Bias in the good category for samples at higher concentrations. Significant positive bias at lower concentrations.



Persistent Poor Performance Monitoring

- Letter issued highlighting poor performance with the pO₂ over the last 3 distributions several months prior to this distribution.
- Participant identified the most likely cause as pre-analytical issues when transferring the sample from the vial to the cartridge.
- Instructions were re-affirmed to the POCT site in question, which included reminders of which syringe types should be used for measurement of gas samples i.e. no additives.
- Poor performance continued for the next 3 distributions.
- Participant received samples for troubleshooting during this time and did also assay new samples for BG1024 obtaining results comparable to their instrument mean. These were submitted back to Wegas as evidence of improved performance.
- BG1124 results submitted as part of the normal distribution. Report showed a much improved performance with both samples having a good PI score, although it should be noted that these 2 samples were at the higher end of the range, so performance needs to be further reviewed when lower concentrations are distributed.

_		
	corina	
_	coming	

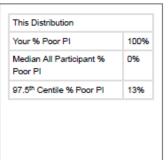
Sample	1	2	Overall Performance
Target: (Method Mean)	17.7	22.82	
Weqas TAE	1.94	2.35	
PI	-0.47	0.11	Good

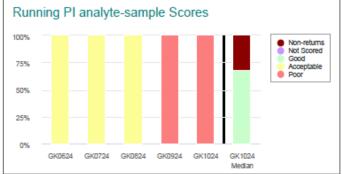
Case study 2

Programme: POCT Glucose and Ketones • Distribution Code: GK1024

Distribution Start: 01-Oct-2024 • Distribution End: 22-Oct-2024 • Report Issued: 01-Nov-2024 • Report Status: Final Requested By: gareth@weqas.com

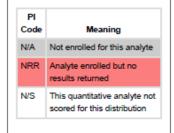








PI Sc	cores
Location	PRE-ASSESSMENT CLINIC
Instrument Name	
Instrument Serial #	080
Glu∞se	Poor
Overall % poor PI	100%
Overall % Non-return	0%



***** Please note******

The NQAAP expects 100% compliance on EQA returns. If you are enrolled for an analyte and have not returned a result (denoted by NRR in your PI table), this will be treated as a poor performance score. Please let us know as soon as possible if you are no longer providing this analyte as part of your diagnostic service.

Distribution Specific Comment

There is no specific comment for this distribution.

No participant comments have been submitted for any instruments for this distribution.

Wegas

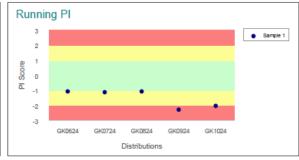
Participant Code: WQ00000 • Location: PRE-ASSESSMENT CLINIC • Analyser Name: n/a • Serial #: 0080

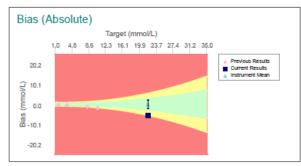
Date Samples received: 03-Oct-2024 • Date of Analysis: 08-Oct-2024 • Operator Details: n/a • Storage Conditions: Ambient

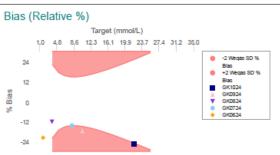
Analyte: Glucose • Method: Nova StatStrip Connectivity • Kit: Nova StatStrip Glucosæ ₹ Strips (42214)

	Glucose mmol/L					
	Your reported result (mmol/L)		Method: Nova StatStrip Connectivity	Instrument Model: StatStrip Glucose/Ketone	Overall	
		Mean	21.88	21.89	24.08	
Sample 1	16.3	SD	1.05	1.05	3.16	
		Uncertainty	0.019	0.020	0.032	
		n	4733	4498	14970	









Precision GK0624 GK0724 GK0824 GK0924 GK1024 Sy.x IS GK0924 GK0924 GK1024

IS Score	Interpretation
0 to 10	Good
11 to 150	Acceptable to Warning level

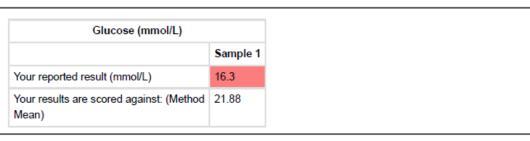
	Sample 1
3514	•
3012	
2510	
2008	
1506	
1004	HHIII
502	_[
0	
	10,000,000,000,000,000,000,000,000,000,
	mmol/L

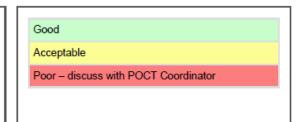
 All Results	My Method	■ My Instrument	My Result

GK1024	Sam	Sample 1			
Method Name	Mean	CV%			
ACCU-CHEK Aviva (n=20)	26.24	2.2			
cobas pulse (n=181)	25.75	0.8			
FreeStyle Optium Neo H (n=809)	26.73	5.1			
Freestyle Precision Pro (n=2172)	27.09	4.3			
GLUCOTECH FIX GK (n=27)	31.20	4.4			
Inform II / Performa (n=4375)	26.32	3.5			
mylife Pura X (n=176)	21.47	10.4			
Nova StatStrip Connectivity (n=4733)	21.88	4.8			
Nova StatStrip Xpress (n=2352)	20.68	8.1			
Procheck Advance (n=44)	30.98	3.5			

There are no Wegas or Participant supplied comments for Glucose for this distribution.

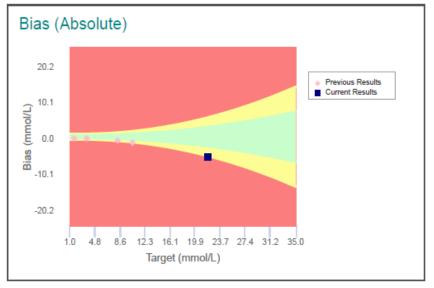
Simplified Report











Your overall performance for this analyte is: Poor

. You have a poor score for this distribution: |score| > 2

Please discuss your results with your EQA officer / POCT Co-ordinator

There are no Wegas or Participant supplied comments for Glucose for this distribution.

Summary Report



Analyte: Glucose

Overall Performance Category: Poor

Running PI analyte –sample scores: Acceptable for earliest 3 distributions, then poor for GK0924 and this distribution GK1024.

Standard Report

Analyte results table: Your result low compared to method, instrument and overall means

Scoring Table: Sample PI > 2 (-2.03) = poor, Overall Performance Category: Poor

Running PI scores: Previous distributions: 3 acceptable, 2 poor

Bias Chart (Absolute): Current result positive bias, Previous results show very little bias but most show negative bias. This distribution shows slightly worse negative bias possibly, but all trending along margin of acceptable / poor.

Bias Chart (Relative): Negative bias between-12% and -24% for the 5 distributions shown.

Precision Scores: Not available - no linear regression analysis as <3 samples % and -

Sample Histograms: Shows 'My result' to the left of histogram demonstrating negative bias to 'My method', 'My Instrument' and 'All Results'.

Method Summary Data: My method slightly lower than most others but scored against method mean. CV% of the method group is 4.8%.

Simplified Report

Traffic Light: Red

Overall Performance score: Poor

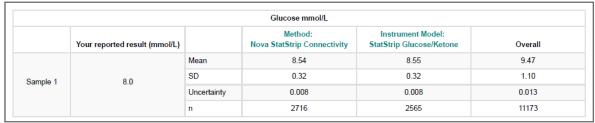
Running Performance: Previous distributions: 3 acceptable, 2 poor (poor for GK0924 and current GK1024).

Bias (Absolute): Current result positive bias, Previous results show very little bias but most show negative bias. This distribution shows slightly worse negative bias possibly, but all trending along margin of acceptable / poor.

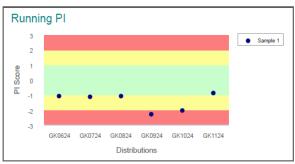
Review of next distribution

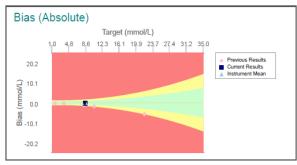


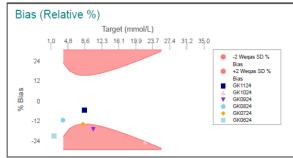
Standard Report



Sample	1	Overall Performance
Target: (Method Mean)	8.54	
Weqas TAE	1.24	
PI	-0.88	Good

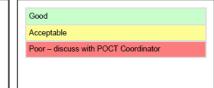




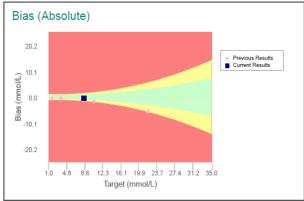


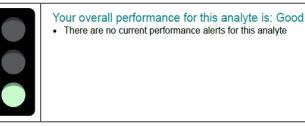
Simplified Report









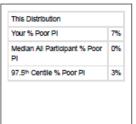


There are no Wegas or Participant supplied comments for Glucose for this distribution.

Case study 3

Programme: POCT INR - Distribution Code: IN0723

Distribution Start: 11-Jul-2023 • Distribution End: 08-Aug-2023 • Report Issued: 17-Aug-2023 • Report Status: Final Requested By: gareth@weqas.com







Location	Instrument Serial #	Instrument Name	INR	Overall % Poor PI	Overall % Non-Return
Location 1	TZ11232		Good	0%	0%
Location 2	TZ11214		Good	0%	0%
	TZ11215		Good	0%	0%
	TZ11218		Good	0%	0%
	TZ11227		Good	0%	0%
	TZ11228		Good	0%	0%
	TZ11234		Good	0%	0%
	TZ11256		Good	0%	0%
	TZ11259		Good	0%	0%
	TZ11301		Good	0%	0%
Location 3	TZ11244		NRR	0%	100%
Location 4	TZ11495		NRR	0%	100%
Location 5	TZ11181		Good	0%	0%
Location 6	U760136		Acceptable	0%	0%
Location 7	TZ11250		Poor	100%	0%

PI Code	Meaning
N/A	Not enrolled for this analyte
NRR	Analyte enrolled but no results returned
N/S	This quantitative analyte not scored for this distribution

***** Please note*******

The NQAAP expects 100% compliance on EQA returns. If you are enrolled for an analyte and have not returned a result (denoted by NRR in your PI table), this will be treated as a poor performance score. Please let us know as soon as possible if you are no longer providing this analyte as part of your diagnostic service.

Distribution Specific Comment

There is no specific comment for this distribution.

No participant comments have been submitted for any instruments for this distribution.

Weqas

			INR units		
	Your reported result (units)		Method: CoaguChek Pro II	Instrument Model: CoaguChek Pro II	Overall
	2.9	Mean	1.901	1.901	1.888
Sample 1		SD	0.011	0.011	0.075
Sample .		Uncertainty	0.0004	0.0004	0.0022
		n	1475	1475	1861

Wec

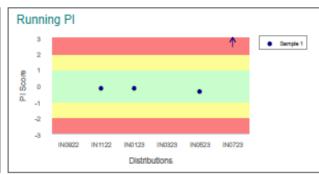


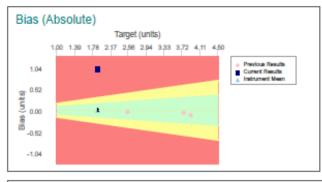
Poor

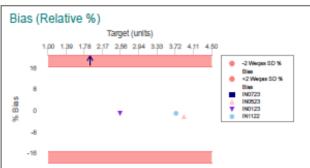
0.304

6.57

Wegas TAE

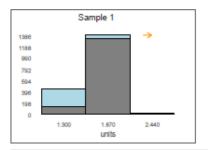






Precision IN0922 IN1122 IN0123 IN0323 IN0523 This distribution: IN0723 Sy.x IS IN0523 IN0723

IS Score	Interpretation
0 to 10	Good
11 to 150	Acceptable to Warning level
> 150	Unacceptable (Incl. Curvilinear Data)



t • My Result	■ My Instrument	My Method	All Results
---------------	-----------------	-----------	-------------

Method Summary

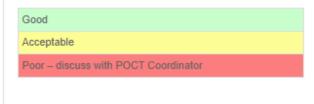
IN0723	Samp	ple 1
Method Name	Mean	CV%
Abbott I-Stat (n=45)	2.508	8.8
CoaguChek INRange (n=2)	1.750	4.6
CoaguChek Pro II (n=1475)	1.901	0.6
CoaguChek XS (n=33)	1.746	3.6
CoaguChek XS Plus (n=249)	1.749	3.5
CoaguChek XS Plus / XS Pro (n=13)	1.800	5.8
CoaguChek XS Pro (n=38)	1.740	4.2
Siemens Xprecia (n=6)	1.805	0.8

There are no Wegas or Participant supplied comments for INR for this distribution.

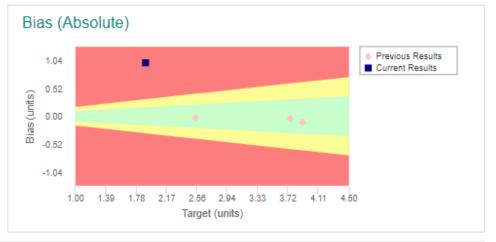
Simplified Report











Your overall performance for this analyte is: Poor

• You have at least one sample in this distribution with a very poor score: |score| > 3

Please discuss your results with your EQA officer / POCT Co-ordinator

There are no Wegas or Participant supplied comments for INR for this distribution.

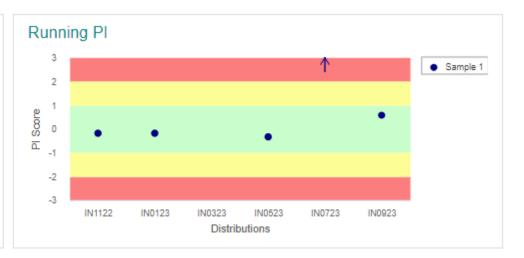
Summary Report

- Analyte: INR
- Overall Performance Category: Poor
- Running PI analyte –sample scores: Mainly good, some acceptable, some poor
- Standard Report
- Analyte results table: Your result very high compared to method, instrument and overall means
- **Scoring Table:** Sample PI > 2 = poor, Overall Performance Category: Poor
- Running PI scores: Previous distributions: 2 non-returns, 3 good
- Bias Chart (Absolute): Current result positive bias, previous results show very little bias (no linear regression analysis as <3 samples)
- Bias Chart (Relative): This sample off Positive bias, previous results show very little bias
- **Precision Scores:** Not available no linear regression analysis as <3 samples
- Sample Histograms: Sample result off chart too positive to fit on chart
- Method Summary Data: My method slightly higher than most others, but scored against method mean
- Simplified Report
- Traffic Light: Red
- Overall Performance score: Poor
- Running Performance: Previous distributions: 2 non-returns, 3 good
- Bias (Absolute): Current result positive bias, previous results show very little bias



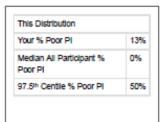
Case Study 3: Current Performance

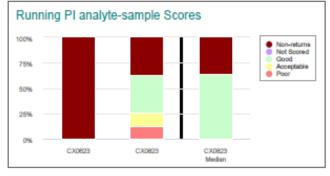




Programme: POCT CRP • Distribution Code: CX0823

Distribution Start: 23-Aug-2023 • Distribution End: 07-Sep-2023 • Report Issued: 25-Sep-2023 • Report Status: Final Requested By: gareth@weqas.com







				PI Scores				
Location	Local	ion 1			Location 2			Location 3
Instrument Name	Instrument 1	Instrument 2	Instrument 3	Instrument 4	Instrument 5	Instrument 6	Instrument 7	Instrument 8
Instrument Serial #	WEQ01001	WEQ01002	WEQ01003	WEQ01004	WEQ01005	WEQ01006	WEQ01007	WEQ01008
CRP	NRR	NRR	NRR	Acceptable	Good	Good	Good	Poor
Overall % poor PI	0%	0%	0%	0%	0%	0%	0%	100%
Overall % Non-return	100%	100%	100%	0%	0%	0%	0%	0%

PI	
Code	Meaning
N/A	Not enrolled for this analyte
NRR	Analyte enrolled but no results returned
N/S	This quantitative analyte not scored for this distribution

***** Please note*******

The NQAAP expects 100% compliance on EQA returns. If you are enrolled for an analyte and have not returned a result (denoted by NRR in your PI table), this will be treated as a poor performance score. Please let us know as soon as possible if you are no longer providing this analyte as part of your diagnostic service.

Distribution Specific Comment

There is no specific comment for this distribution.

No participant comments have been submitted for any instruments for this distribution.

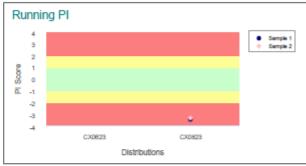


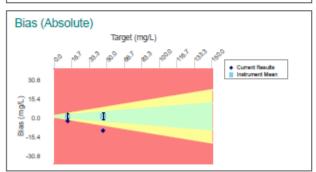
Case study 4

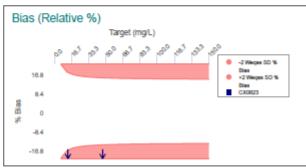
			CRP mg/L		
	Your reported result (mg/L)		Method: AQT90 Flex	Instrument Model: AQT90 FLEX	Overall
		Mean	13.07	13.07	12.77
Sample 1	9.2	SD	0.98	0.98	1.16
		Uncertainty	0.406	0.406	0.162
		n	9	9	80
	34.9	Mean	46.49	46.49	42.74
Sample 2		SD	1.41	1.41	7.52
Cumpic 2		Uncertainty	0.588	0.588	1.065
		n	9	9	78

			CRP mg/L		
	Your reported result (mg/L)		Method: AQT90 Flex	Instrument Model: AQT90 FLEX	Overall
ample 1		Mean	13.07	13.07	12.77
	9.2	SD	0.98	0.98	1.16
		Uncertainty	0.406	0.406	0.162
		n	9	9	80
		Mean	46.49	46.49	42.74
mple 2	34.9	SD	1.41	1.41	7.52
		Uncertainty	0.588	0.588	1.065
		n	9	9	78

Scoring Sample 2 Overall Performance Target: (Method 13.07 46.49 Mean) Wegas TAE 2.23 6.91 -3.47 -3.35 Poor



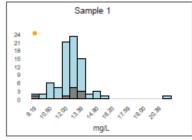


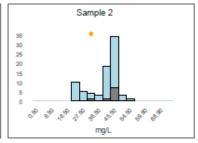


Precision		
	CX0623	This distribution: CX0823
Syx		
IS		

IS Score	Interpretation
0 to 10	Good
11 to 150	Acceptable to Warning level
> 150	Unacceptable (Incl. Curvilinear Data)







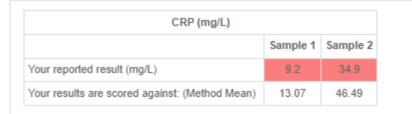
ment • My Resu

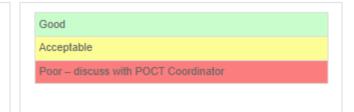
Method Summary

CX0823	Sam	Sample 2		
Method Name	Mean	CV%	Mean	CV%
Afinion (n=28)	13.00	6.3	46.50	3.5
AQT90 Flex (n=9)	13.07	7.5	46.49	3.0
cobas b101 (n=2)	11.25	0.7	43.85	0.2
CUBE (n=1)	21.60	0.0	48.70	0.0
LumiraDx (n=21)	11.77	8.7	29.27	17.5
Microsemi (n=9)	13.09	8.2	49.03	8.4
Piccolo Xpress (n=8)	14.01	10.8	44.34	7.6
SmartTester (n=2)	13.66	5.2	42.92	11.7

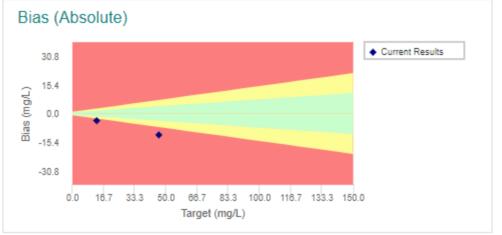
There are no Wegas or Participant supplied comments for CRP for this distribution.

Simplified Report











Your overall performance for this analyte is: Poor

- You have at least one sample in this distribution with a very poor score: |score| > 3
- You have at least two samples in this distribution with a poor score: |score| > 2
- · Your results suggest a potential bias

Please discuss your results with your EQA officer / POCT Co-ordinator

There are no Wegas or Participant supplied comments for CRP for this distribution.



Summary Report

Analyte: CRP

Overall Performance Category: Poor

Running PI analyte –sample scores: lot of non returns, large proportion of good, some acceptable, a few poor

Standard Report

Analyte results table: Your results low compared to method mean, instrument mean, overall mean

Scoring Table: Both samples poor PI, Overall Performance Category: Poor

Running PI scores: No return for last distribution

Bias Chart (Absolute): Negative bias, (no linear regression analysis as <3 samples)

Bias Chart (Relative): Both samples off chart — Negative bias

Precision Scores: Not available - no linear regression analysis as <3 samples

Sample Histograms: Sample 1 very low, sample 2 seems within population but left of majority of participants. Left of

my method

Method Summary Data: My method seems to fit in with other methods, 1 other method very low.

Simplified Report

Traffic Light: Red

Overall Performance score: Poor

Running Performance: No return for last distribution

Bias (Absolute): Negative bias