

Birmingham Quality

UK NEQAS for Erythropoietin

Laboratory :

Distribution : 150

Date : 10-Jun-2018

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Feedback

Quality Manager
Pathology Laboratory
Biochemistry Department
Town
County
Postcode

This Scheme is essentially web-based. We can alert you to information regarding the Scheme via email. The e-mail address (or addresses) we are currently using to contact your laboratory is shown below in red . If no e-mail address is displayed or the information shown is incorrect, please email us with an appropriate contact e-mail address as soon as possible, using the word 'feedback' in the title line.

Based on the date information you have provided, the transit time from specimen dispatch [] to receipt [] was day(s), and the subsequent time to analysis [] in your laboratory was day(s). (Missing values indicate dates not provided. "0 days" represents same day).

Any comments you made to us are shown below and have been acted upon where necessary

Any specific comments applicable only to laboratory are shown below

Any general comments applicable to all laboratories are shown below

Performance Surveillance and Performance Issues

If you have a red banner for any analyte on the Performance Summary Icon (PSI) page, then you should log this in your Quality Management System.

Birmingham Quality is here to help. If you are unsure as to why you have out-of-consensus problems or if you are having difficulties with your Root Cause Analysis, then please do contact us.

It is the responsibility of the Participant to act on, investigate and hopefully resolve, all out-of-consensus performance.

It is the responsibility of the Organiser to highlight in the regular report any out-of-consensus performance by the use of scores, symbols, graphs and 'traffic lights' etc.

Likewise, for the non-numerical analytes, please check the Pie Charts and other graphical representations to see if you are out-of-consensus.

Finlay MacKenzie

Director, Birmingham Quality

Report authorised on Thursday 14 June 2018 by:

Finlay MacKenzie, Director Birmingham Quality

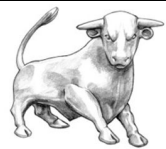


7860

Birmingham Quality is a UKAS accredited proficiency testing provider No. 7860. Please see <http://www.ukas.com> for full details of the accreditation status of our services

UK NEQAS
International Quality Expertise

Birmingham Quality is proud to offer EQA services that adhere to the Code of Practice and have the badge of quality of UK NEQAS



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Participation summary

Analytical Performance over the last 6 months (rolling time window of 6 distributions)

All our time periods are 'rolling' to give you current information.

You may wish to keep you own log of Calendar Year or Financial Year time points if you require 'year-end' statements for your own internal use.

Any analytes with out of consensus performance will be highlighted in red and can be clicked for further details.

You have out of consensus performance for:	<i>None</i>
You have in consensus performance for:	Serum Erythropoietin
You have no performance data for:	<i>None</i>

Participation and Return Rates

This scheme cycle is notionally every four weeks.

Analytically, we assess you over a six month time window (6 Distributions).

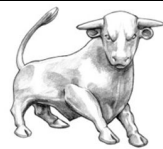
For return rates, late and amended results we assess you over a twelve month period (12 distributions).

	Distributions	Rating	Affected Distributions
Participation	12 distributions out of a possible 12	Satisfactory	
Late Returns	0 distributions from the last 12	Satisfactory	
Amendments	0 distributions accepted from the last 12	Satisfactory	

Analytical Performance for specimens from distribution 150 only

You can judge, in association with your IQC and other QA measures, if your current performance is a blip or part of a trend.

Out of consensus for at least one specimen for:	<i>None</i>
In consensus for all specimens for:	Serum Erythropoietin
You have no specimen %bias etc. for:	<i>None</i>
You are not registered for:	<i>None</i>



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Distribution Summary

If your laboratory is outside of the acceptable limits of performance for any its rolling time-window scores (A, B or C scores), this will be indicated by a red traffic light symbol. It is the responsibility of the laboratory to undertake an internal investigation to establish the underlying cause and put in place corrective and preventive action. Please do not wait to receive a formal notification of performance from the Scheme Organiser or the National Quality Assurance Advisory Panel (NQAAP) before logging the non-conformity and, where necessary, acting upon the data contained in your report. A green traffic light merely reflects that your laboratory is performing as well as the state-of-the-art allows; it does not necessarily mean that your assay / laboratory performance is good enough clinically.

The A scores for Erythropoietin are all based on concentration- dependent degree of difficulty factors and, as such, are in the same 'currency' as the A scores in other Schemes. Please see the online 'Explanation of the ABC of EQA' which may be found under the 'Centre' button on the UK NEQAS Results & Reports page. You will need your user-name and password to access this information.

Specimen	Pool	Result	Target	Specimen %bias	A score	B score	C score	A	B	C	
Serum Erythropoietin (IU/L)	150A	267	7.5	8.79	-14.7 ▼	180	-14.7	3.2	● ↔	● ↔	● ↔
	150B	268	3.8	4.18	-9.1 ◆						
	150C	244	7.2	7.39	-2.6 ◆						

As for clinical specimens, Birmingham Quality samples should be handled as if capable of transmitting infection. Appropriate procedures should be used both to minimise contact with samples and for their disposal.

Gentamicin, penicillin and fluconazole have been added to all specimens.

Please note that any 'spiked' specimens distributed through the scheme will be clearly marked as such. Unless stated otherwise, they will contain non-endogenous Epoetin beta which may not be recovered by the kit assays in the same way as patients' erythropoietin.

Distribution 151 will be dispatched on Monday 18th June 2018. Results are due back in Birmingham by, notionally, 23:59 on Sunday 15th July 2018.

Where your results appear as "XPL", it is because you did not report a numerical value for that analyte, but you did provide an explanation as to why a result was not reported.



Spec.	Pool	Pool description / Treatments / Additions
150A	267	4:1 dilution, Pool 263:HSA
150B	268	2:3 dilution, Pool 263:PBS
150C	244	Pooled human serum donations

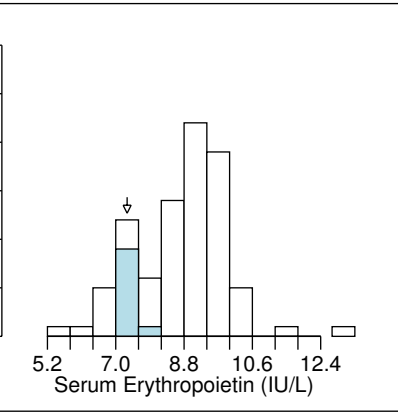
All methods
 Beckman Access [SF6]

Your A score is 180 ↔
 Your B score is -14.7 ↔
 Your C score is 3.2 ↔

 The A limit is 200
 The B limit is +/- 15.0
 The C limit is 20.0

Specimen : 150A

	n	Mean	SD	CV(%)
All methods [ALTM]	87	8.79	1.14	13.0
Beckman Access [SF6]	10	7.47	0.15	2.0
Beckman DXi [SF5]	7	7.08	0.29	4.1
IBL Elisa [IB1]	1	14.60		
Not stated, please specify	2	7.60		
R and D systems [RN1]	10	8.51	1.25	14.7
Siemens Imm 2000/XPi [DC11]	52	9.33	0.67	7.2
Siemens Immulite 1 [DC7]	5	9.13	0.23	2.5



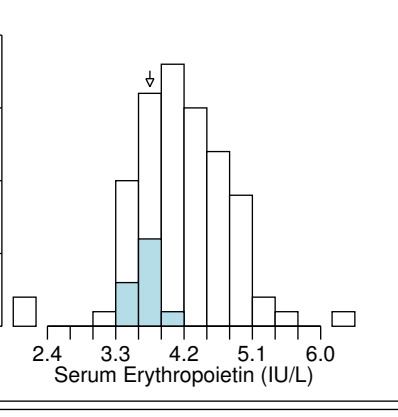
Your result 7.5
 Target value (ALTM) 8.79
 Standard Uncertainty 0.16

 Your specimen:
 %bias -14.7 ▼
 transformed bias -187
 Accuracy Index 187

 Method mean (Beckman Access [SF6]) 7.47

Specimen : 150B

	n	Mean	SD	CV(%)
All methods [ALTM]	87	4.18	0.56	13.3
Beckman Access [SF6]	10	3.74	0.17	4.7
Beckman DXi [SF5]	7	3.74	0.35	9.3
IBL Elisa [IB1]	1	11.10		
Not stated, please specify	2	4.00		
R and D systems [RN1]	10	4.15	0.87	20.9
Siemens Imm 2000/XPi [DC11]	52	4.33	0.50	11.6
Siemens Immulite 1 [DC7]	5	4.33	0.46	10.6



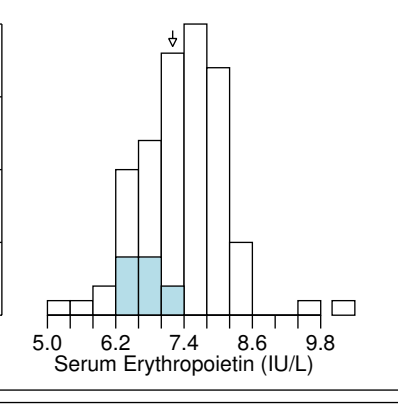
Your result 3.8
 Target value (ALTM) 4.18
 Standard Uncertainty 0.08

 Your specimen:
 %bias -9.1 ◆
 transformed bias -77
 Accuracy Index 77

 Method mean (Beckman Access [SF6]) 3.74

Specimen : 150C

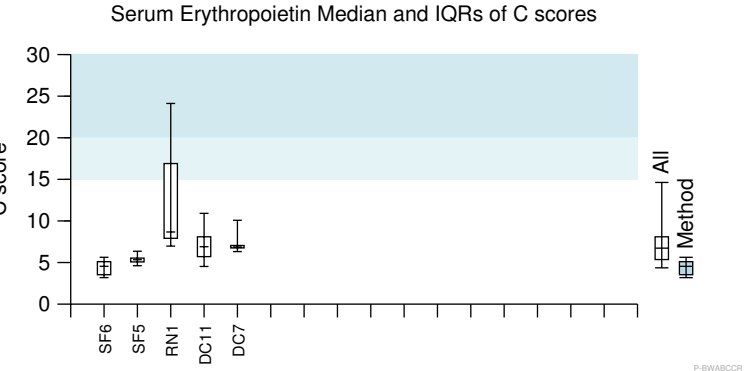
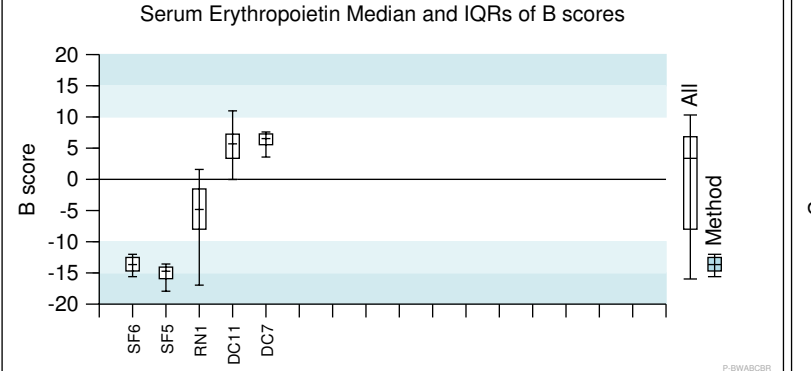
	n	Mean	SD	CV(%)
All methods [ALTM]	88	7.39	0.67	9.0
Beckman Access [SF6]	10	6.80	0.39	5.7
Beckman DXi [SF5]	7	6.55	0.43	6.6
IBL Elisa [IB1]	1	9.60		
Not stated, please specify	2	6.90		
R and D systems [RN1]	10	7.38	1.28	17.4
Siemens Imm 2000/XPi [DC11]	53	7.57	0.47	6.2
Siemens Immulite 1 [DC7]	5	7.65	0.76	9.9



Your result 7.2
 Target value (ALTM) 7.39
 Standard Uncertainty 0.09

 Your specimen:
 %bias -2.6 ◆
 transformed bias -33
 Accuracy Index 33

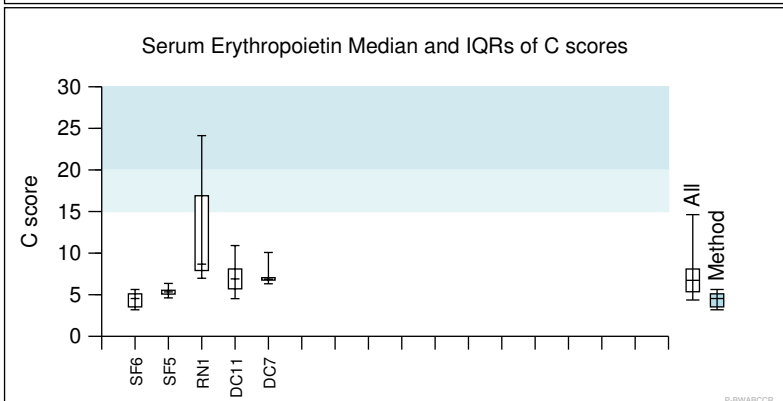
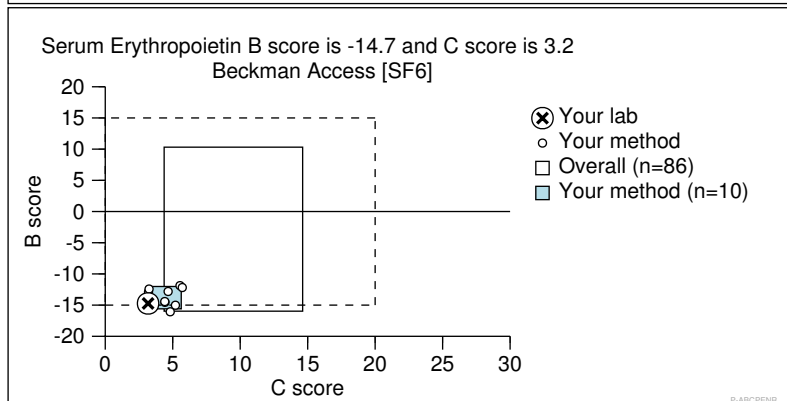
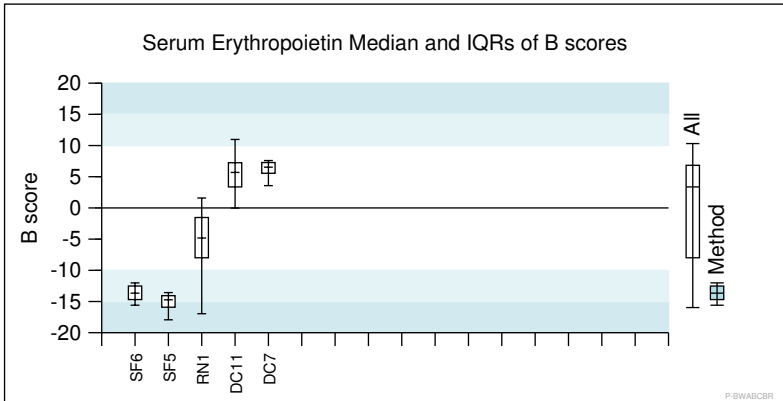
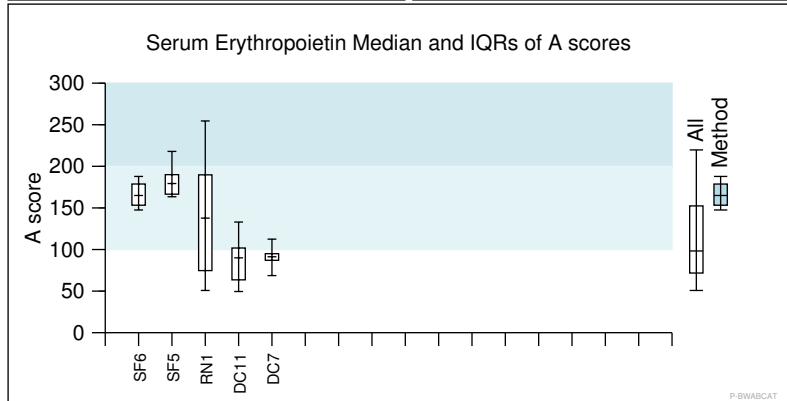
 Method mean (Beckman Access [SF6]) 6.80

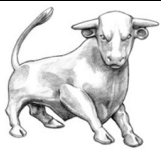


Based on the information you have provided, your reagent lot number is [724094] and your calibrator lot number is [723811]. (Missing values indicate data not provided).



Pool (exclusion) [Type]	Distribution 145 10-Dec-2017			Distribution 146 28-Jan-2018			Distribution 147 04-Mar-2018			Distribution 148 08-Apr-2018			Distribution 149 06-May-2018			Distribution 150 10-Jun-2018		
	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias	result	target	%bias
264													2.8	3.02	-7.2			
268																3.8	4.18	-9.1
265													4.3	5.07	-15.2			
243				5.7	6.94	-17.9												
266													5.9	7.14	-17.3			
244																7.2	7.39	-2.6
267																7.5	8.79	-14.7
245	8	9.90	-19.2															
246	8.7	10.27	-15.3															
247				9.1	10.60	-14.1												
252							8.8	10.67	-17.5									
251	14.5	17.22	-15.8															
258							23.7	27.60	-14.1									
249				23.6	27.93	-15.5												
259										39.5	47.3	-16.6						
260																		
261							72	84.1	-14.4				110.9	124.7	-11.0			
262													200.1	236.9	-15.5			
Method mean	SF6		-16.8	SF6		-15.8	SF6		-15.3	SF6		-14.4	SF6		-13.2	SF6		-8.8
A score	134			151			165			166			180			180		
B score	-10.9			-12.2			-13.3			-13.4			-14.9			-14.7		
C score	5.6			5.5			5.0			5.2			2.9			3.2		

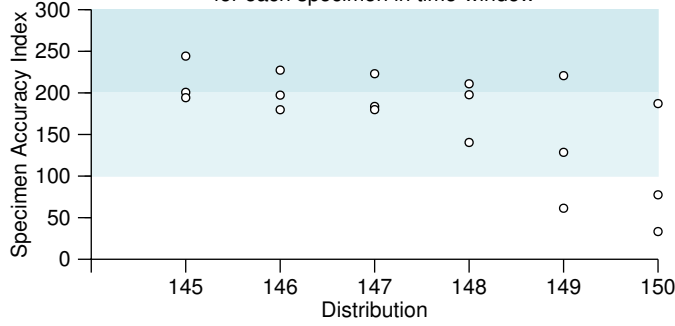




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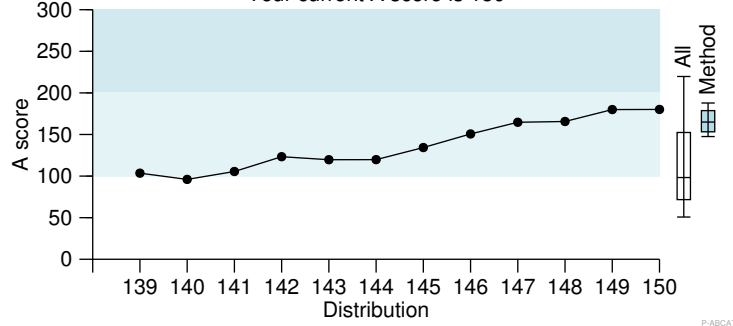
Serum Erythropoietin IU/L

Specimen Accuracy Index for each specimen in time-window



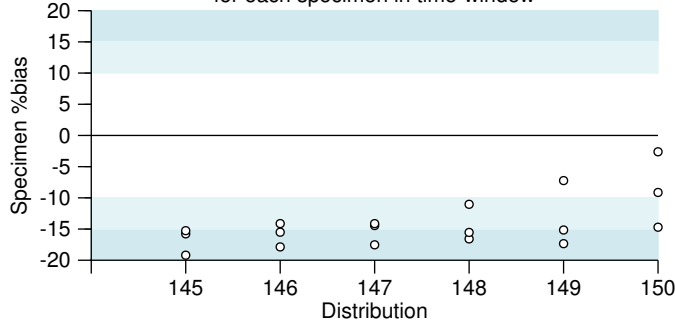
P-ABCATS (ABC1)

A score by distribution Your current A score is 180



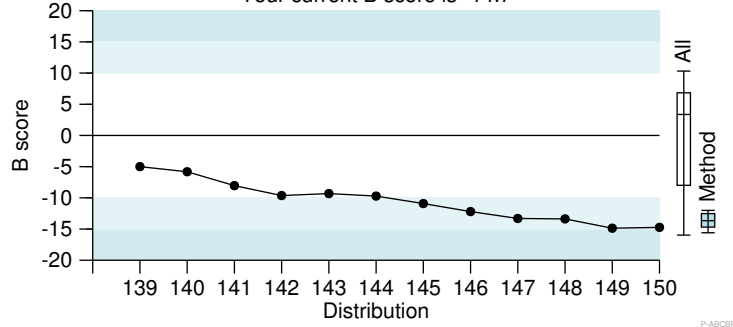
P-ABCAT (ABC1)

Specimen %bias for each specimen in time-window



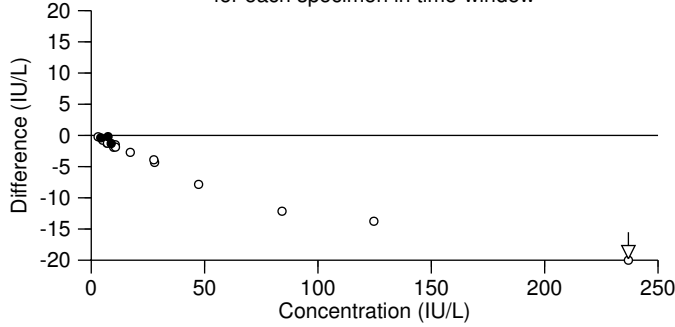
P-ABCBS (ABC1)

B score by distribution Your current B score is -14.7



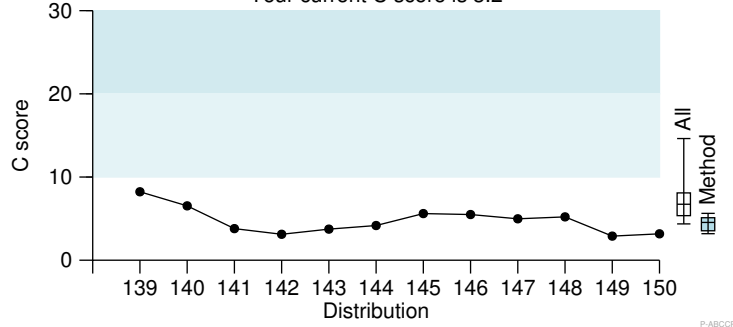
P-ABCBR (ABC1)

Difference (result - target) for each specimen in time-window



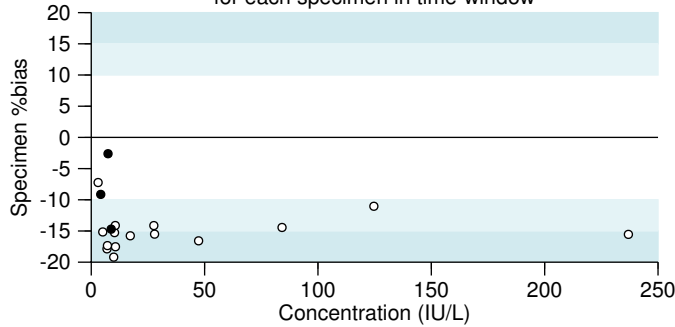
P-BA1FSA (ABC1)

C score by distribution Your current C score is 3.2



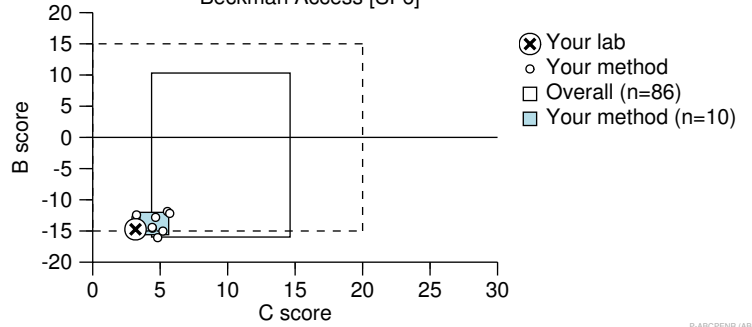
P-ABCCR (ABC1)

Specimen %bias for each specimen in time-window



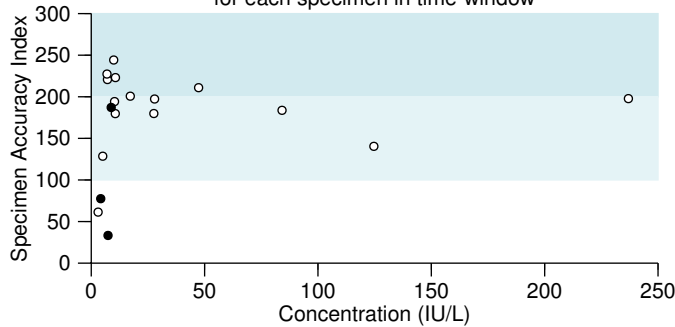
P-BA1FSP (ABC1)

Serum Erythropoietin B score is -14.7 and C score is 3.2 Beckman Access [SF6]



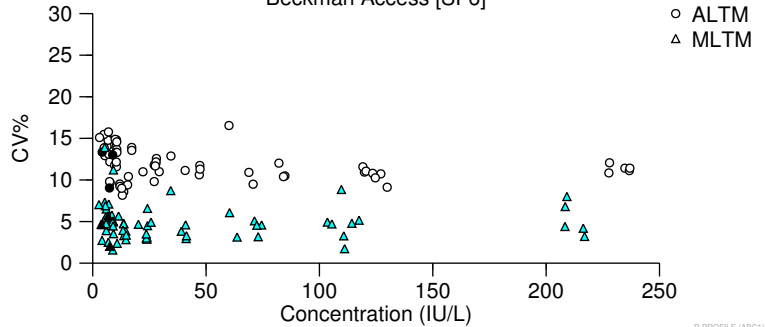
P-ABCPENR (ABC1)

Specimen Accuracy Index for each specimen in time-window



P-YSTMDD (ABC1)

Between-laboratory agreement Beckman Access [SF6]



P-PROFILE (ABC1)