

External Quality Assessment Scheme

Basic Blood Count Round 1, 2023

Specimens

Please find enclosed human blood cell suspensions, each 3 mL. The laboratory will receive either sample S001 or both samples S001 and S002 according to their order.

Caution

Quality control specimens derived from human blood must be handled with the same care as patient samples, i.e. as potential transmitters of serious diseases. The specimens are found to be HBsAg, HCVAb and HIVAb negative when tested with licensed reagents and negative when tested with nucleic acid tests (NAT) for HCV ribonucleic acid (RNA), HIV-1 RNA, HBV deoxyribonucleic acid (DNA) but no known test method can offer complete assurance that the specimens will not transmit these or other infectious diseases.

Examinations

Please see page 2.

Storage and use

We recommend analysing the samples as soon as possible after arrival. If this is not possible, store in a refrigerator (+ 2... 8 ° C). Do not freeze. The samples should be analysed in the same way as patient EDTA blood. Allow the sample to stand at room temperature for about 15 minutes. Mix the sample by inverting the tube several times, until the suspension appears homogeneous. Do not mix too vigorously. Do not use mechanical blood mixers. Samples will be usable for 2 months from the date of this letter, if stored at +2... 8 ° C.

Result reporting

Please enter the results via LabScala (www.labscala.com). If you cannot find your instrument or reagent from the registry, please contact the EQA Coordinator.

Mean MCV, MCH and MCHC values (Patient-MCV, Patient-MCH, Patient-MCHC) should be calculated by recording the MCV, MCH and MCHC values obtained from a minimum of 50 patient samples. Means should be calculated without excluding any patients' results and given to one place of decimals. Means of the analyser database can also be used.

Sysmex XN analyser users, please give the leucocyte value without NRBC correction.

If you have Cell-Dyn 3200 instrument, use FWBC program when analysing the sample.

S001



S002



2023-01-16

INSTRUCTIONS

Product no. 4100, 4110
LQ711223011-012/US

If the kit is incomplete or contains damaged specimens, please report immediately to info@labquality.fi

The results should be reported no later than
February 2, 2023.

Inquiries

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Basic Blood Count

Examinations

B -WBC

B -RBC

B -HGB

B -HCT

B -PLT

E -MCV

E -MCH

E -MCHC

E-RDW -SD

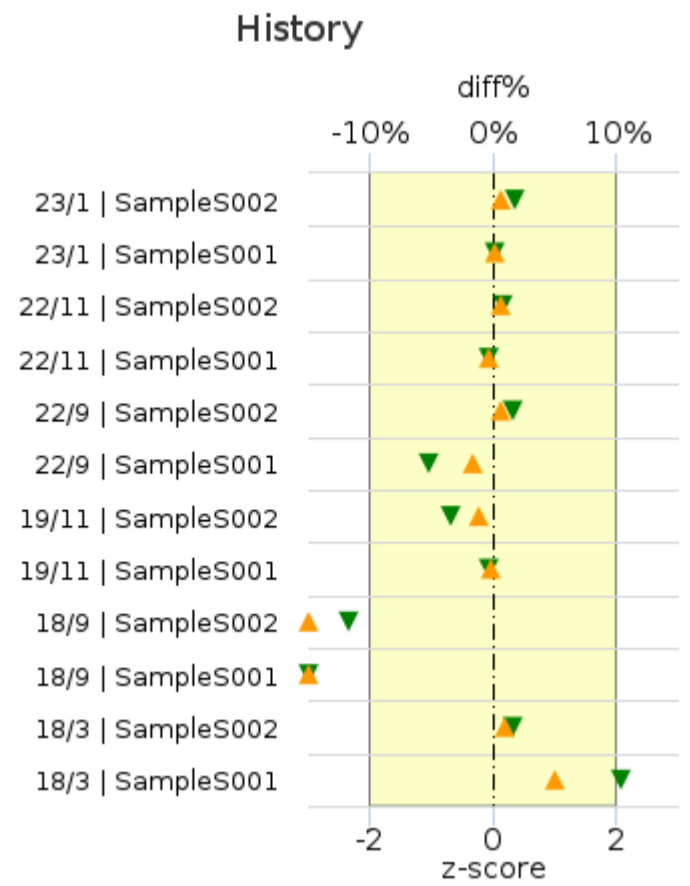
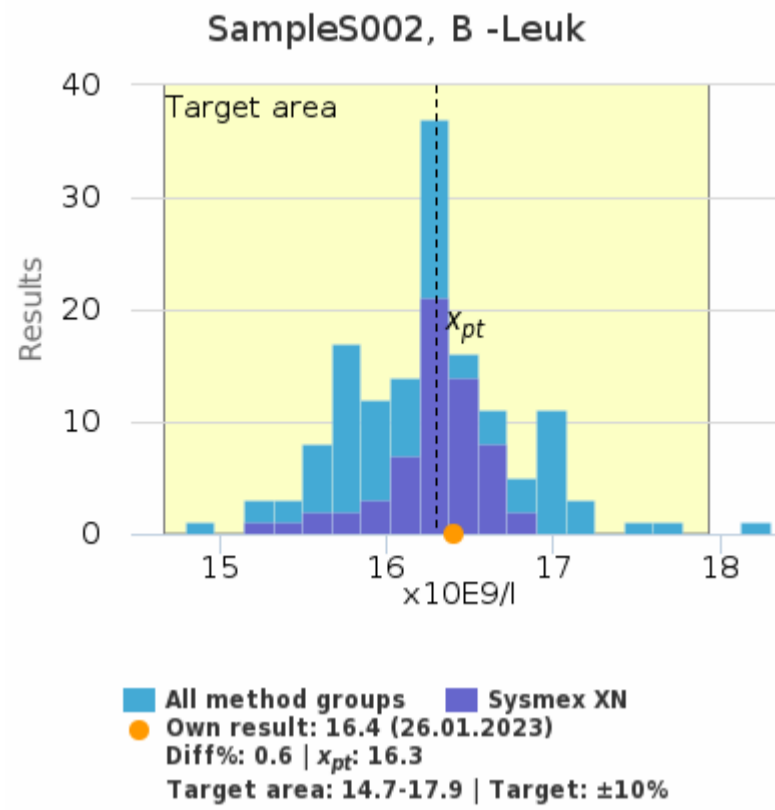
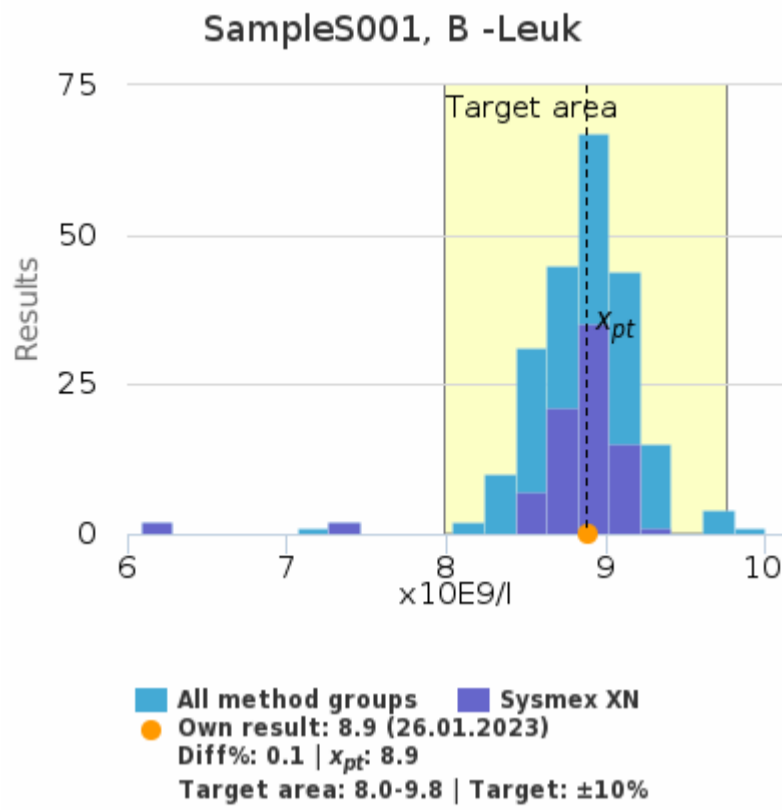
E-RDW -CV

E-Patient-MCV

E-Patient-MCH

E-Patient-MCHC

B -Leuk | Sysmex XN Left

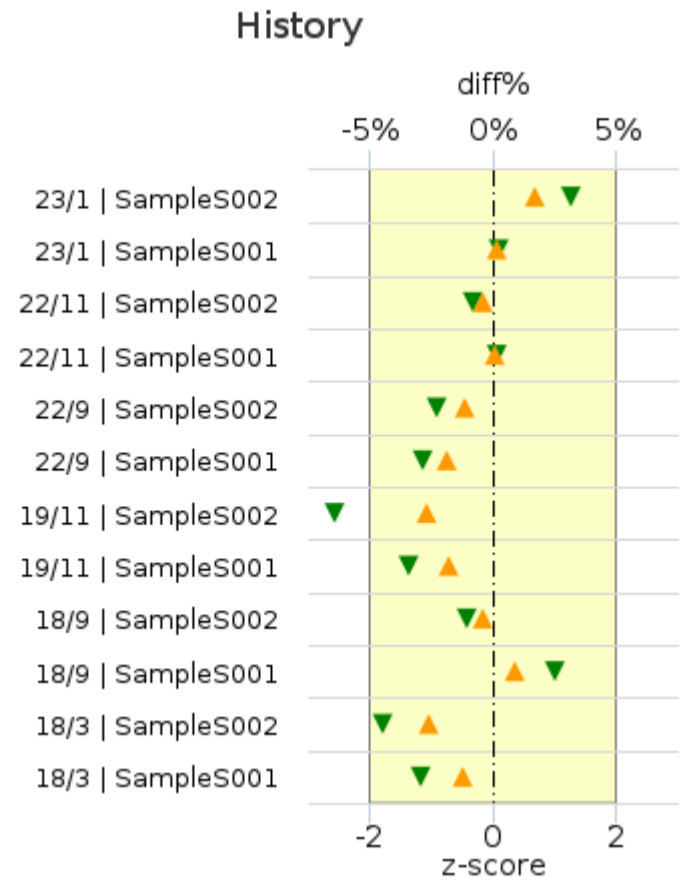
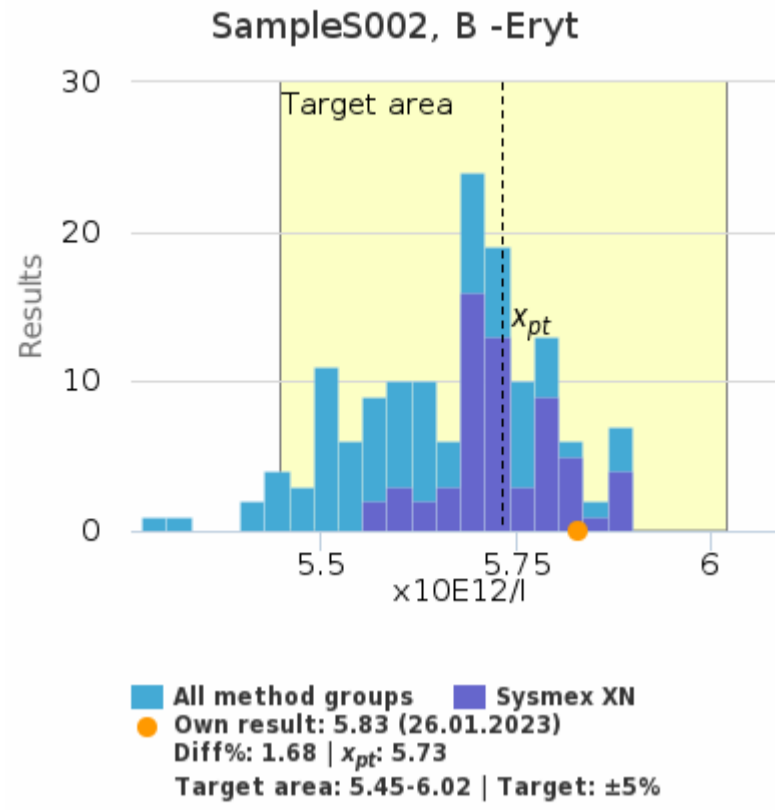
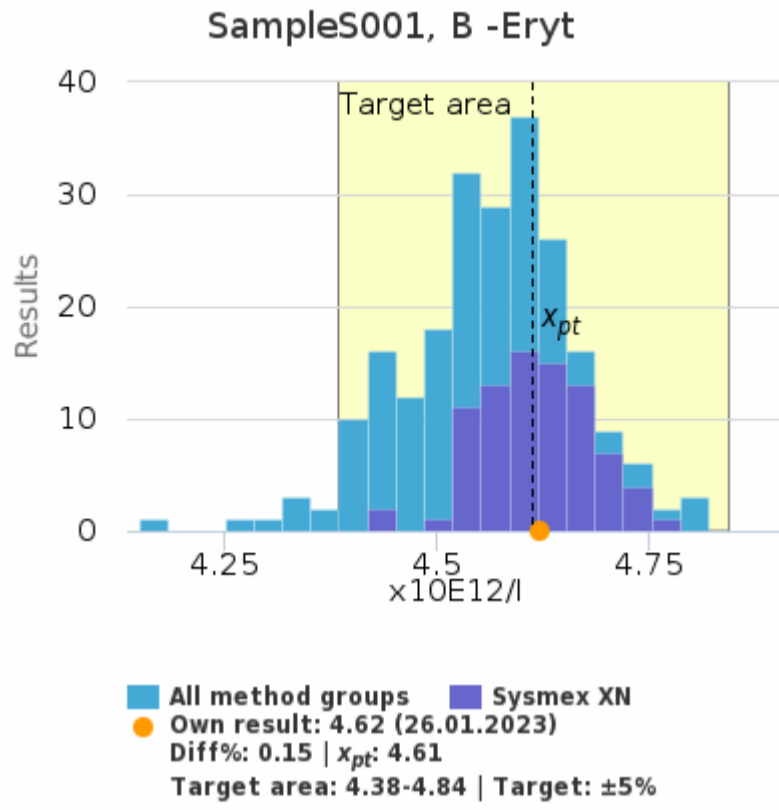


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	8.9 x10E9/l	0.2	<0.1	2.6	83
All methods	8.9 x10E9/l	0.3	<0.1	3.1	224

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	16.3 x10E9/l	0.3	<0.1	1.7	61
All methods	16.2 x10E9/l	0.5	<0.1	2.9	144

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	16.3	16.4	0.6%	0.36
23/1	Sample S001	8.9	8.9	0.1%	0.02
22/11	Sample S002	18.0	18.1	0.6%	0.16
22/11	Sample S001	8.8	8.8	-0.3%	-0.05
22/9	Sample S002	9.3	9.4	0.6%	0.32
22/9	Sample S001	7.8	7.7	-1.7%	-1.03
19/11	Sample S002	19.4	19.2	-1.1%	-0.68
19/11	Sample S001	2.3	2.3	-0.2%	-0.07
18/9	Sample S002	19.2	14.7	-23.2%	-2.35
18/9	Sample S001	9.1	7.2	-21.2%	-3.76
18/3	Sample S002	19.1	19.3	0.9%	0.33
18/3	Sample S001	11.6	12.2	5.1%	2.09

B -Eryt | Sysmex XN Left



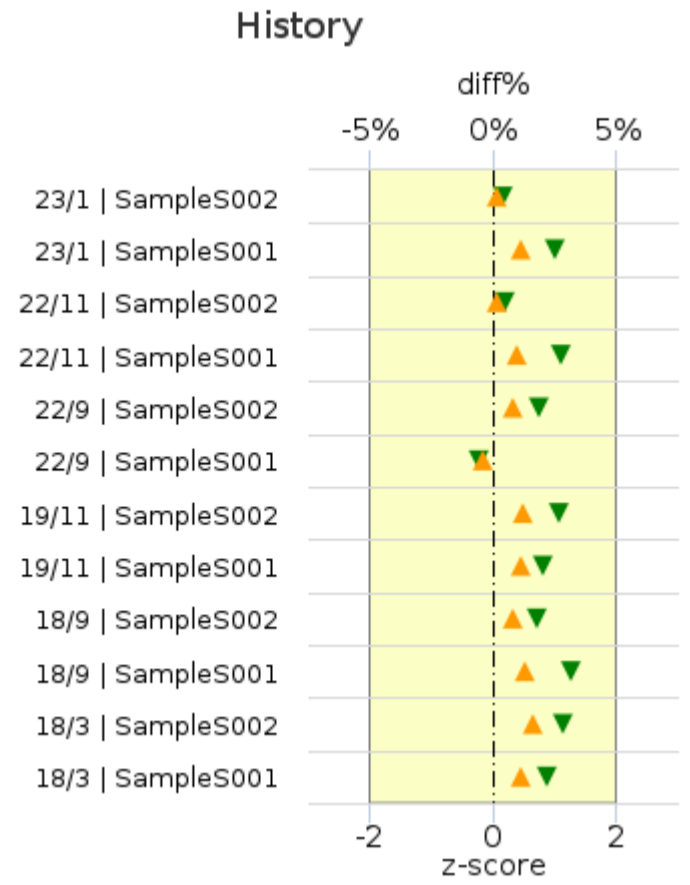
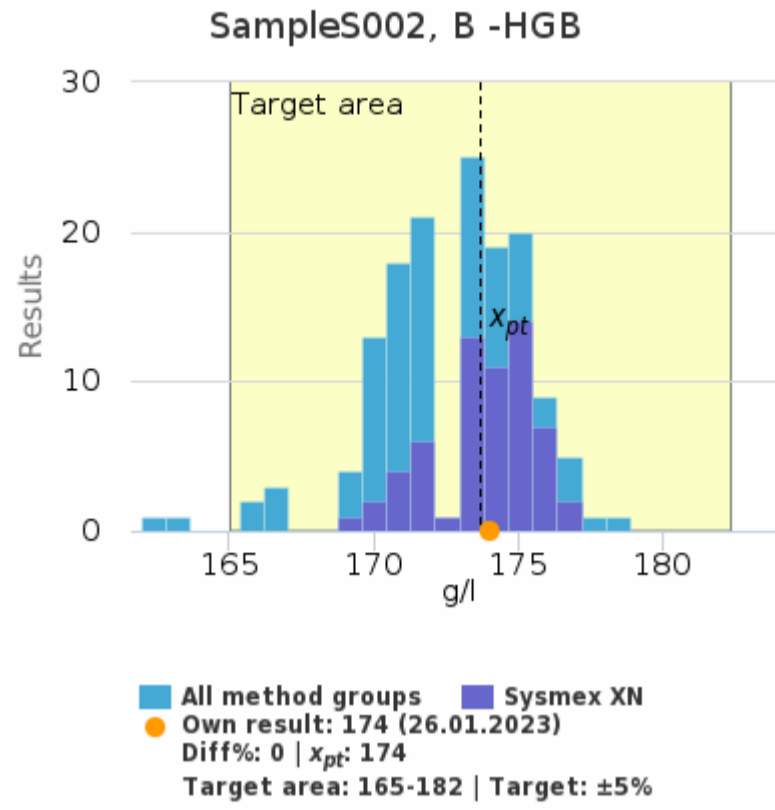
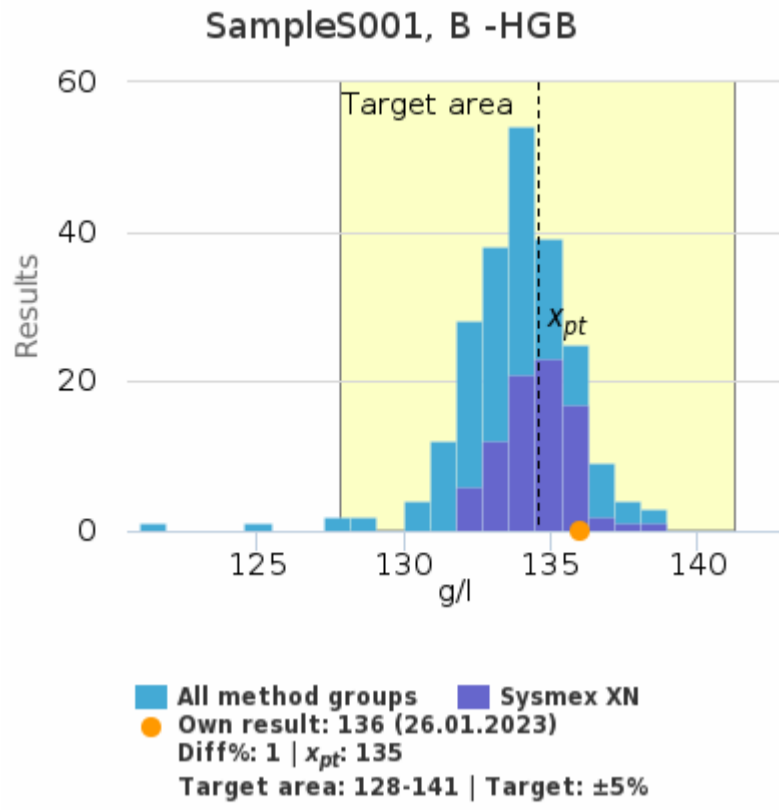
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	4.61 x10E12/l	0.06	<0.01	1.4	83
All methods	4.56 x10E12/l	0.09	<0.01	2.1	224

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	5.73 x10E12/l	0.08	<0.01	1.3	61
All methods	5.67 x10E12/l	0.12	<0.01	2.0	144

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	5.73	5.83	1.68%	1.27
23/1	Sample S001	4.61	4.62	0.15%	0.11
22/11	Sample S002	3.10	3.09	-0.45%	-0.32
22/11	Sample S001	4.65	4.65	0.07%	0.07
22/9	Sample S002	4.61	4.56	-1.11%	-0.92
22/9	Sample S001	2.02	1.98	-1.90%	-1.14
19/11	Sample S002	4.94	4.81	-2.65%	-2.56
19/11	Sample S001	2.06	2.02	-1.81%	-1.37
18/9	Sample S002	5.18	5.16	-0.38%	-0.43
18/9	Sample S001	4.67	4.71	0.93%	1.00
18/3	Sample S002	4.19	4.08	-2.58%	-1.78
18/3	Sample S001	5.32	5.26	-1.20%	-1.18

B -HGB | Sysmex XN Left



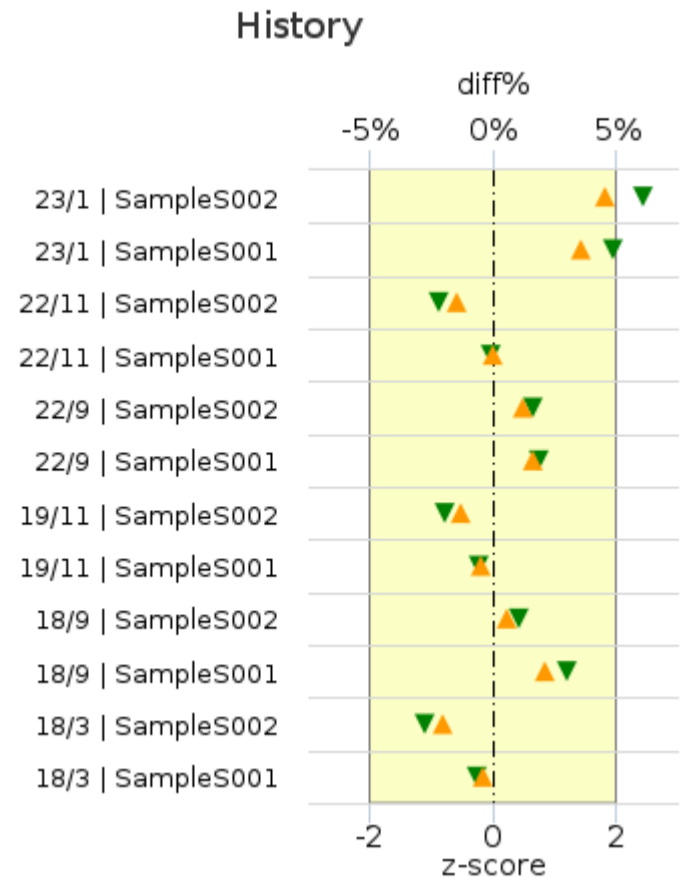
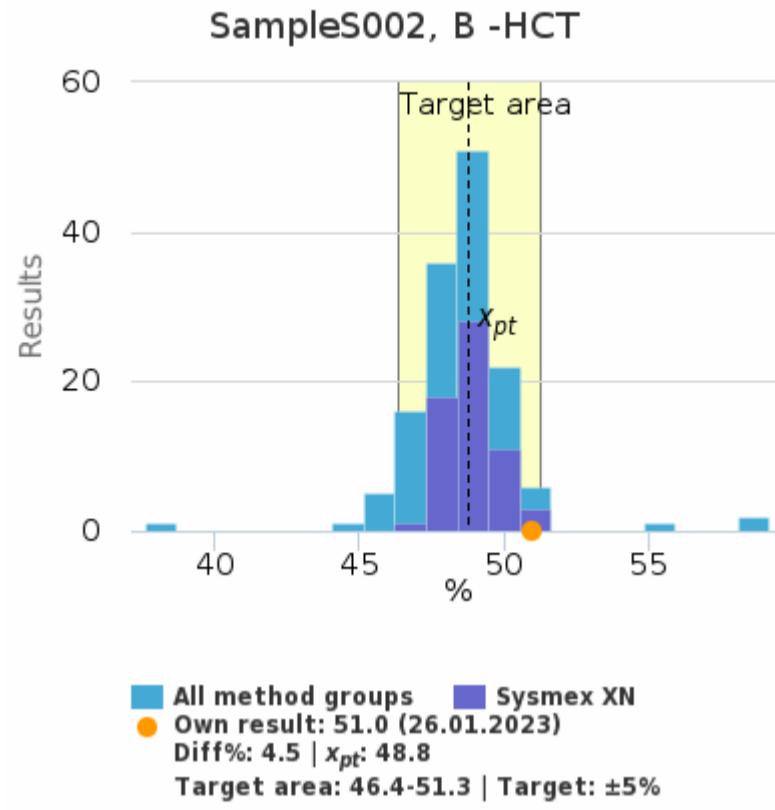
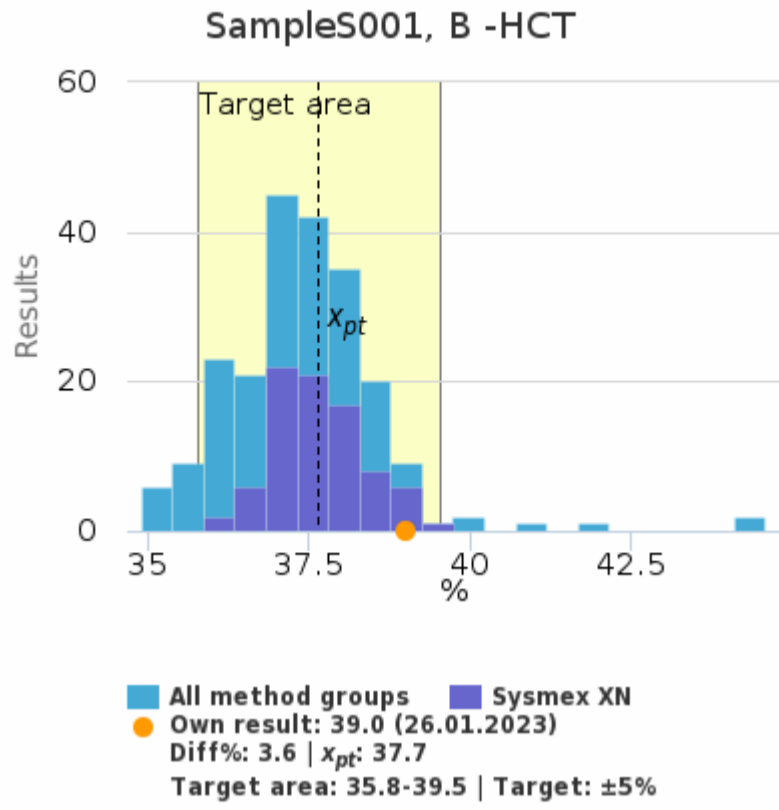
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	135 g/l	1	<1	1.0	83
All methods	134 g/l	2	<1	1.4	222

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	174 g/l	2	<1	1.0	61
All methods	173 g/l	2	<1	1.4	144

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	174	174	0%	0.17
23/1	Sample S001	135	136	1%	1.02
22/11	Sample S002	96	96	0%	0.20
22/11	Sample S001	141	142	1%	1.09
22/9	Sample S002	135	136	1%	0.76
22/9	Sample S001	51	51	0%	-0.24
19/11	Sample S002	146	148	1%	1.07
19/11	Sample S001	62	63	1%	0.81
18/9	Sample S002	156	157	1%	0.71
18/9	Sample S001	137	139	1%	1.28
18/3	Sample S002	124	126	2%	1.15
18/3	Sample S001	157	159	1%	0.88

B -HCT | Sysmex XN Left



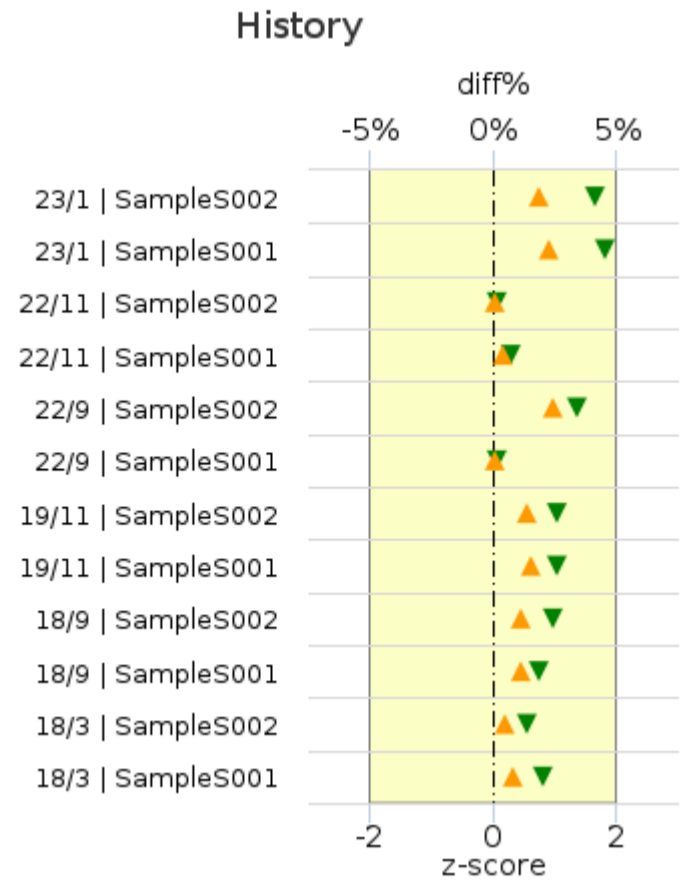
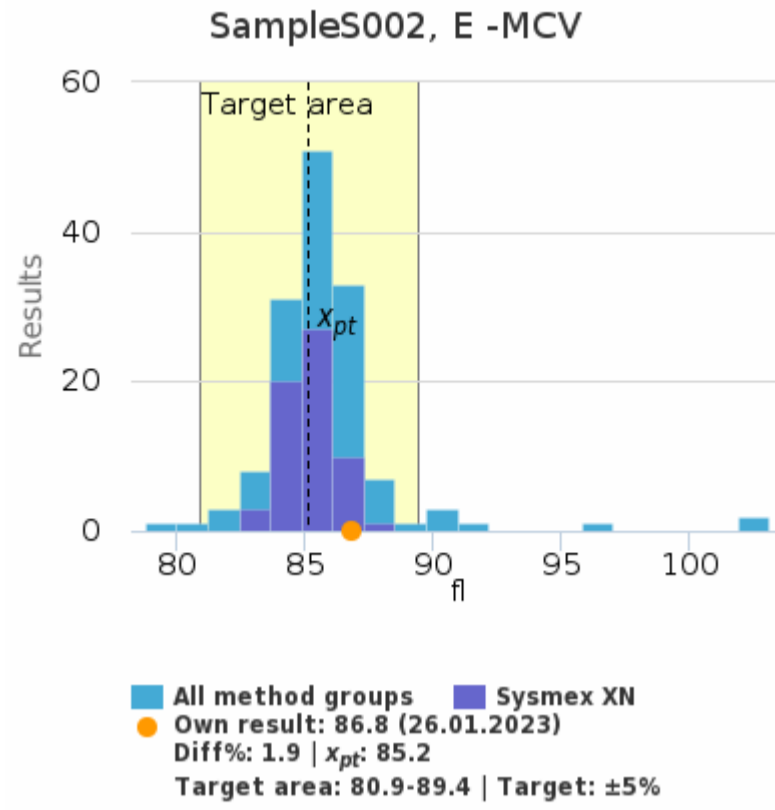
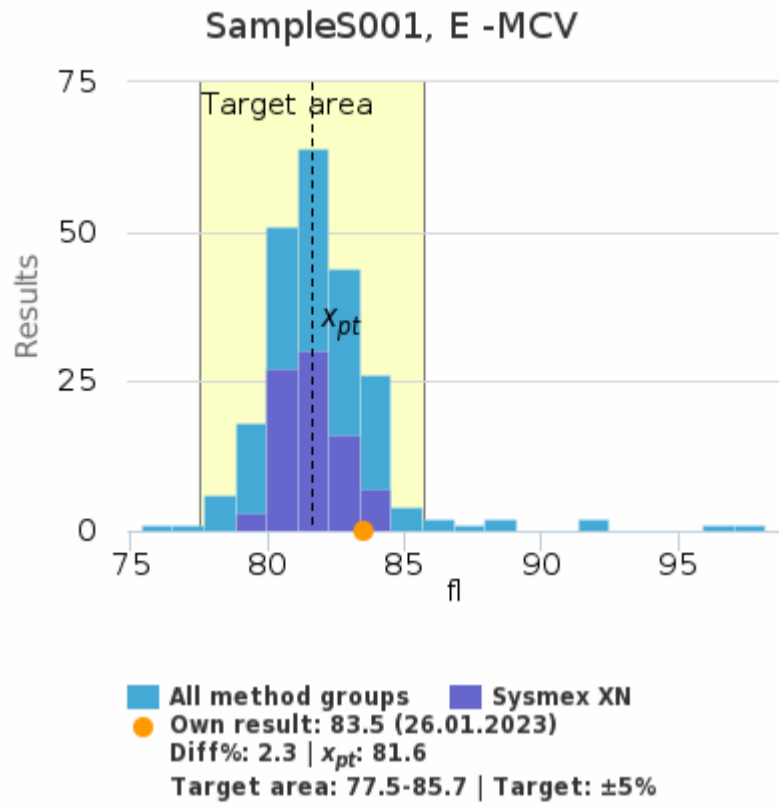
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	37.7 %	0.7	<0.1	1.8	83
All methods	37.3 %	1.0	<0.1	2.7	217

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	48.8 %	0.9	0.1	1.8	61
All methods	48.5 %	1.2	0.1	2.5	141

▲ diff%
 ▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	48.8	51.0	4.5%	2.44
23/1	Sample S001	37.7	39.0	3.6%	1.95
22/11	Sample S002	26.4	26.0	-1.5%	-0.86
22/11	Sample S001	39.0	39.0	0.0%	-0.02
22/9	Sample S002	37.5	38.0	1.2%	0.66
22/9	Sample S001	14.8	15.0	1.6%	0.74
19/11	Sample S002	41.2	40.7	-1.3%	-0.77
19/11	Sample S001	18.0	17.9	-0.5%	-0.22
18/9	Sample S002	43.7	43.9	0.6%	0.43
18/9	Sample S001	38.2	39.0	2.1%	1.19
18/3	Sample S002	34.7	34.0	-2.0%	-1.11
18/3	Sample S001	44.3	44.1	-0.4%	-0.27

E -MCV | Sysmex XN Left



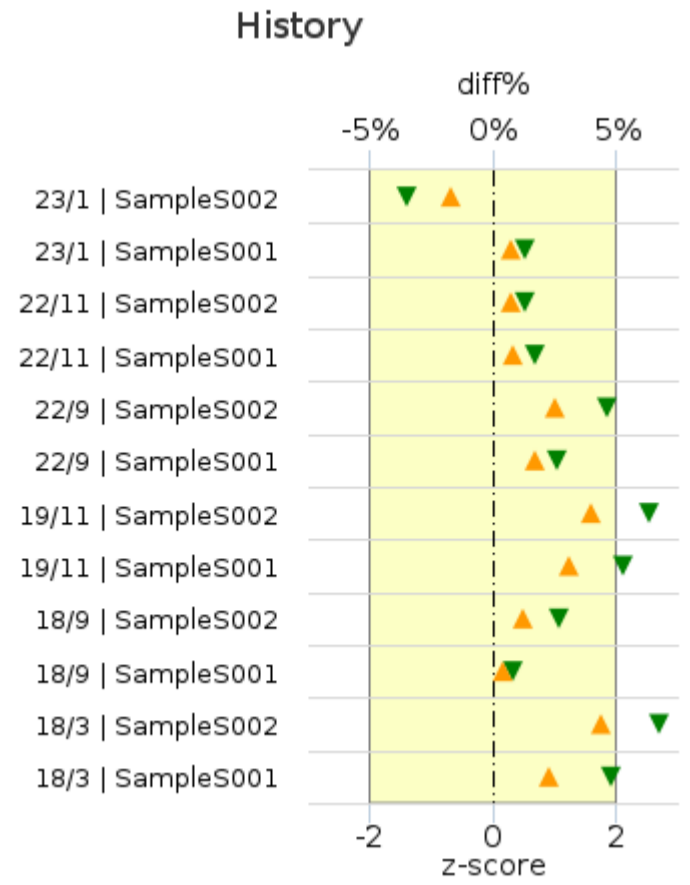
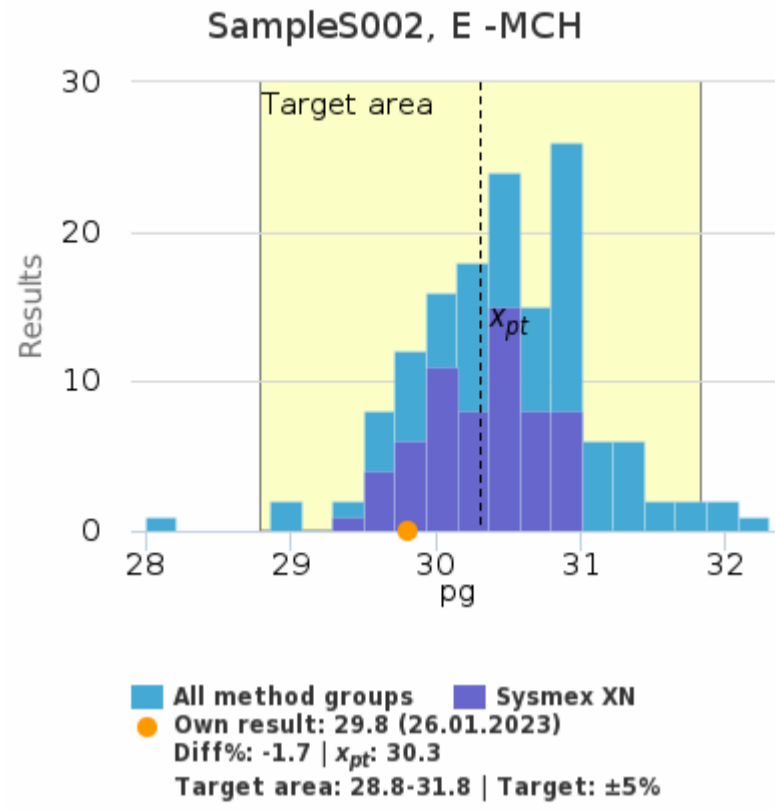
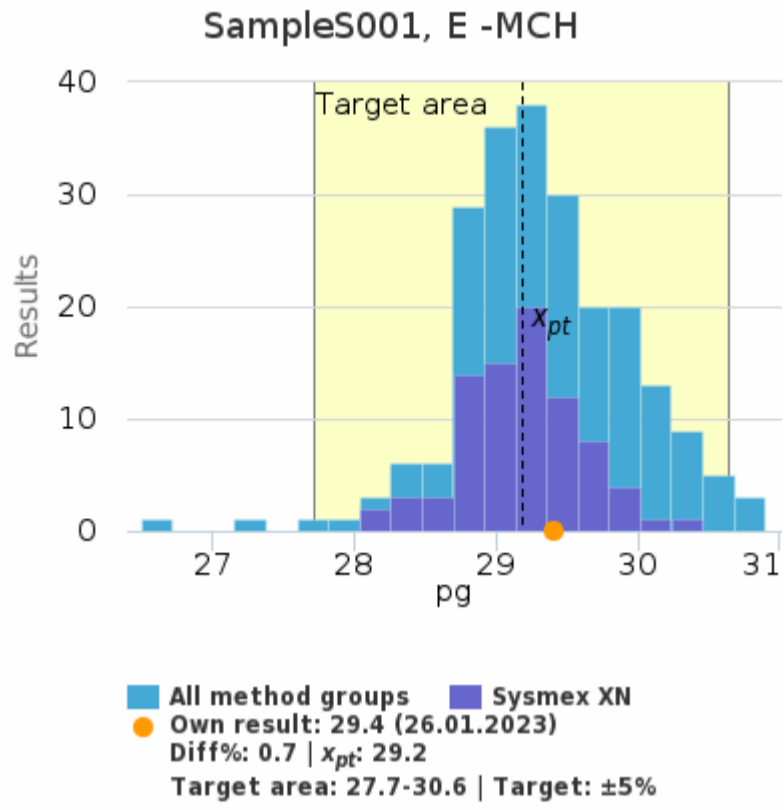
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	81.6 fl	1.0	0.1	1.3	83
All methods	81.8 fl	1.7	0.1	2.1	224

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	85.2 fl	1.0	0.1	1.2	61
All methods	85.5 fl	1.8	0.1	2.1	143

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	85.2	86.8	1.9%	1.67
23/1	Sample S001	81.6	83.5	2.3%	1.80
22/11	Sample S002	85.0	85.1	0.1%	0.06
22/11	Sample S001	84.0	84.3	0.4%	0.29
22/9	Sample S002	81.4	83.3	2.4%	1.37
22/9	Sample S001	73.1	73.2	0.1%	0.08
19/11	Sample S002	83.4	84.6	1.4%	1.05
19/11	Sample S001	87.3	88.6	1.5%	1.05
18/9	Sample S002	84.1	85.1	1.1%	0.96
18/9	Sample S001	81.9	82.8	1.1%	0.76
18/3	Sample S002	82.9	83.3	0.5%	0.56
18/3	Sample S001	83.1	83.8	0.8%	0.81

E -MCH | Sysmex XN Left



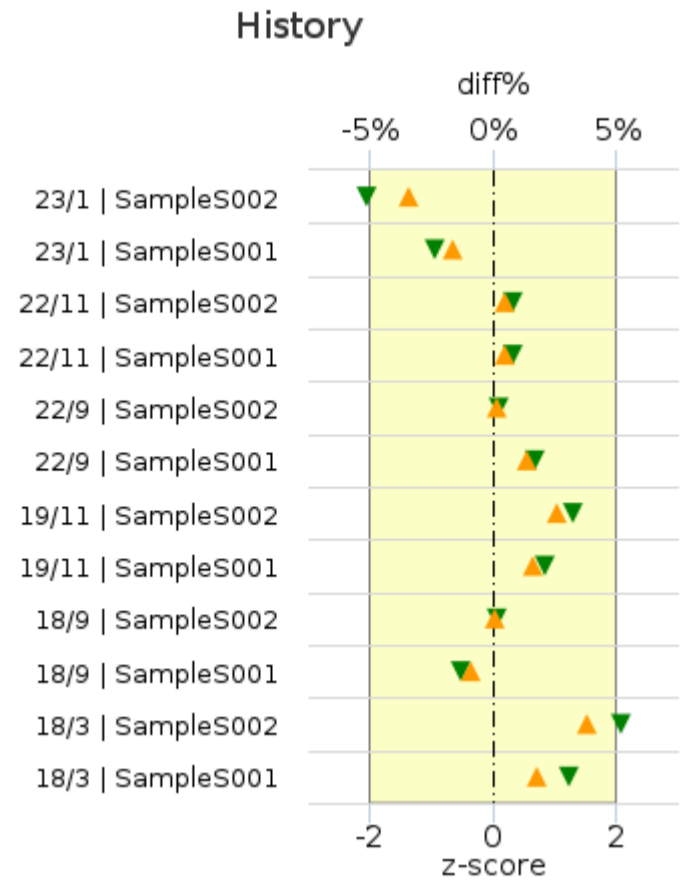
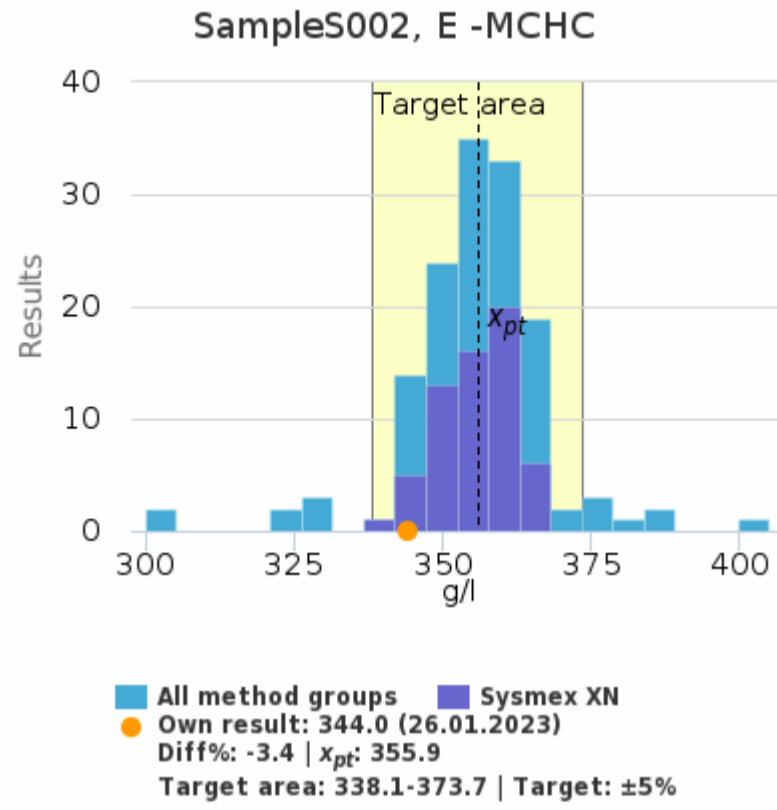
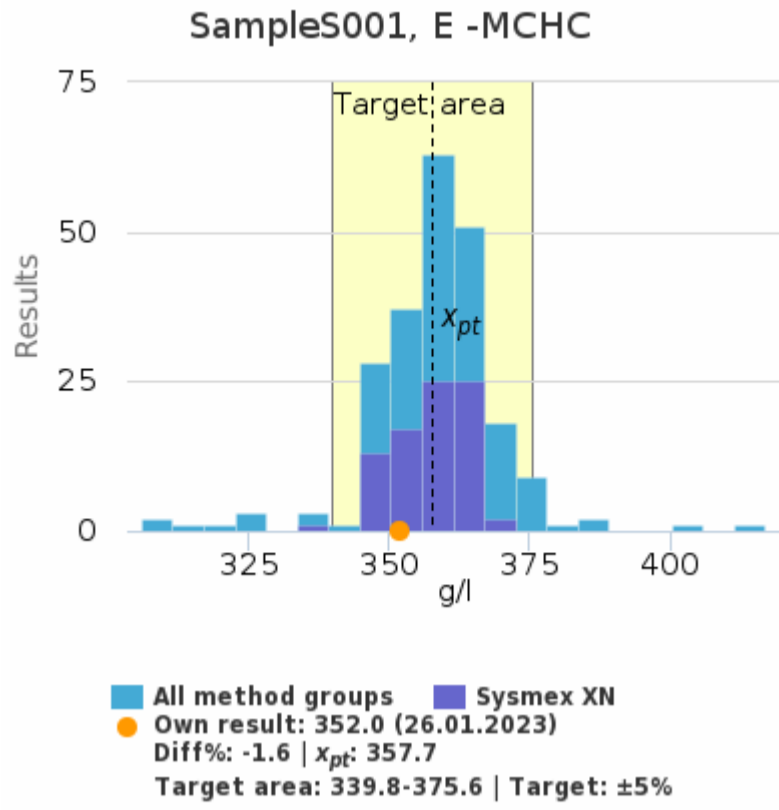
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	29.2 pg	0.4	<0.1	1.4	83
All methods	29.4 pg	0.6	<0.1	1.9	222

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	30.3 pg	0.4	<0.1	1.2	61
All methods	30.5 pg	0.6	<0.1	1.9	143

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	30.3	29.8	-1.7%	-1.38
23/1	Sample S001	29.2	29.4	0.7%	0.52
22/11	Sample S002	30.9	31.1	0.7%	0.52
22/11	Sample S001	30.3	30.5	0.8%	0.69
22/9	Sample S002	29.3	30.0	2.5%	1.85
22/9	Sample S001	25.4	25.8	1.7%	1.03
19/11	Sample S002	29.6	30.8	4.0%	2.52
19/11	Sample S001	30.3	31.2	3.1%	2.11
18/9	Sample S002	30.1	30.4	1.2%	1.08
18/9	Sample S001	29.4	29.5	0.4%	0.31
18/3	Sample S002	29.6	30.9	4.4%	2.68
18/3	Sample S001	29.5	30.2	2.3%	1.90

E -MCHC | Sysmex XN Left



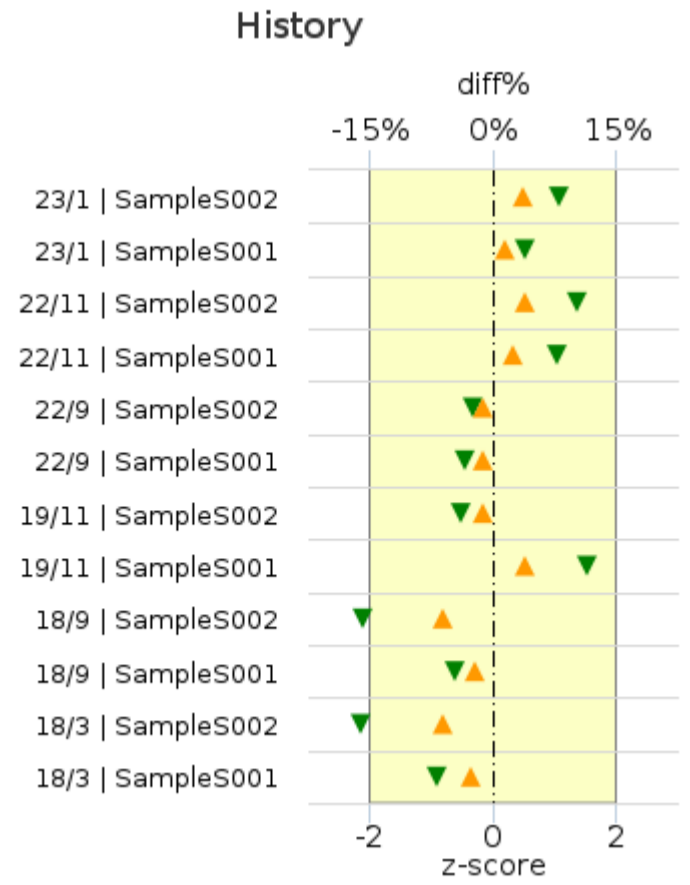
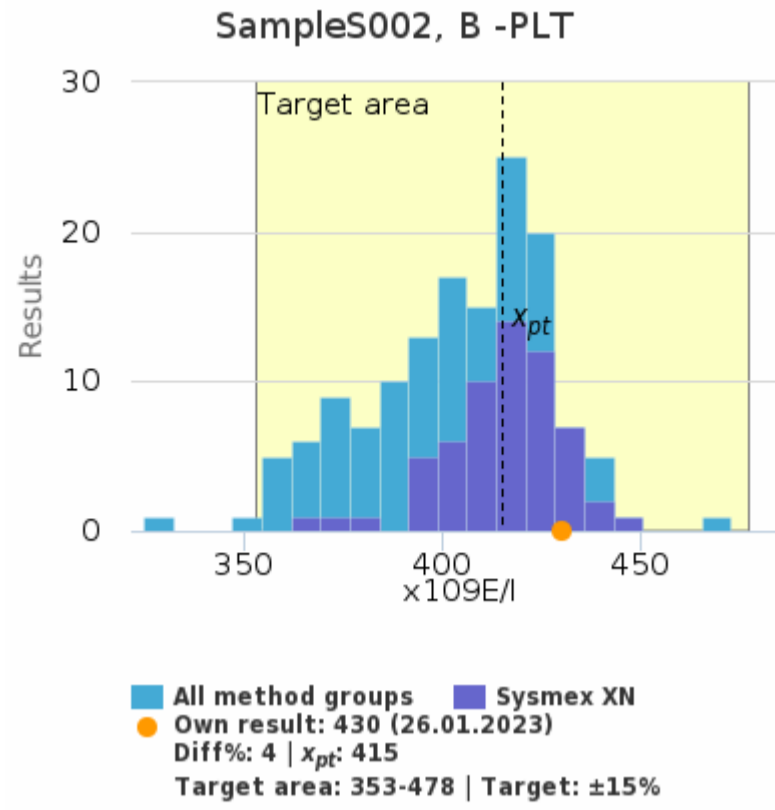
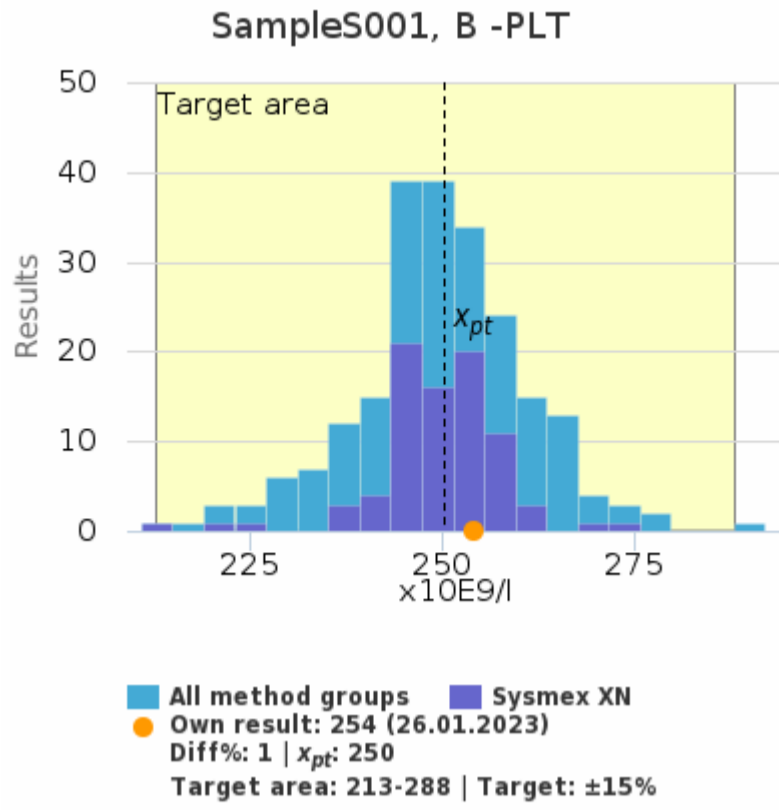
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	357.7 g/l	6.0	0.7	1.7	83
All methods	358.8 g/l	9.0	0.6	2.5	222

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	355.9 g/l	5.9	0.8	1.6	61
All methods	356.0 g/l	9.9	0.8	2.8	142

▲ diff%
 ▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	355.9	344.0	-3.4%	-2.03
23/1	Sample S001	357.7	352.0	-1.6%	-0.95
22/11	Sample S002	363.3	365.0	0.5%	0.31
22/11	Sample S001	360.2	362.0	0.5%	0.31
22/9	Sample S002	359.4	360.0	0.2%	0.09
22/9	Sample S001	347.1	352.0	1.4%	0.68
19/11	Sample S002	354.7	364.0	2.6%	1.29
19/11	Sample S001	346.4	352.0	1.6%	0.83
18/9	Sample S002	357.6	358.0	0.1%	0.08
18/9	Sample S001	359.1	356.0	-0.9%	-0.52
18/3	Sample S002	357.3	371.0	3.8%	2.09
18/3	Sample S001	354.7	361.0	1.8%	1.22

B -PLT | Sysmex XN Left



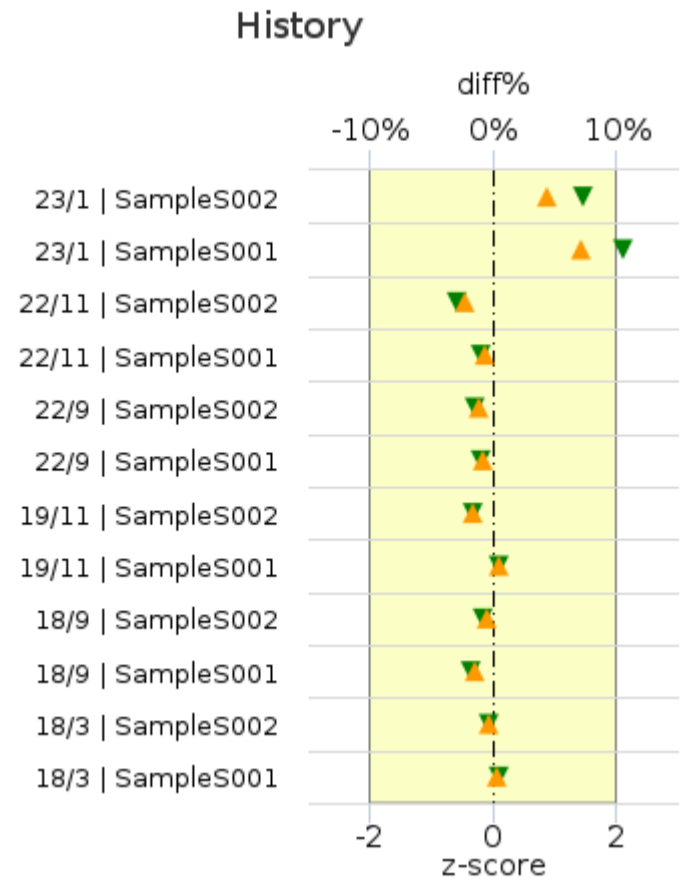
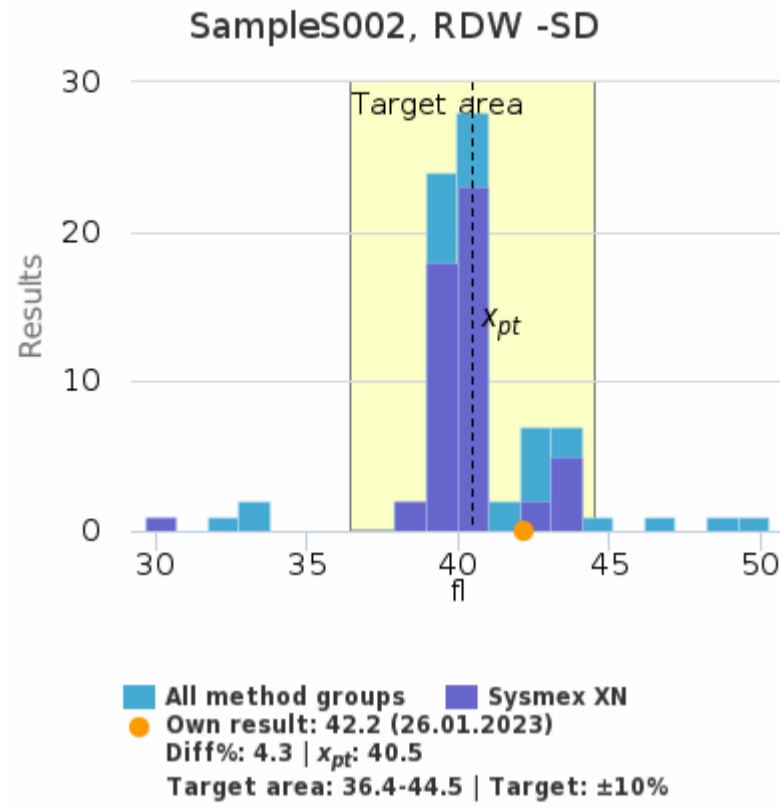
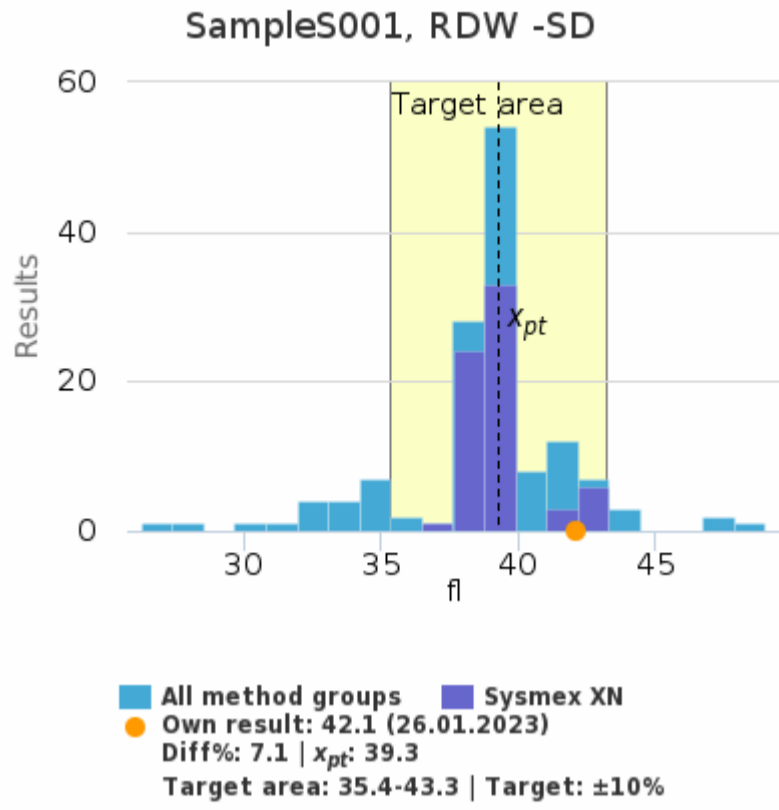
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	250 x10E9/l	7	<1	2.8	83
All methods	250 x10E9/l	11	<1	4.3	222

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	415 x10E9/l	14	2	3.4	60
All methods	404 x10E9/l	22	2	5.5	143

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	415	430	4%	1.06
23/1	Sample S001	250	254	1%	0.51
22/11	Sample S002	421	437	4%	1.36
22/11	Sample S001	260	266	2%	1.03
22/9	Sample S002	243	240	-1%	-0.34
22/9	Sample S001	434	428	-1%	-0.45
19/11	Sample S002	441	436	-1%	-0.51
19/11	Sample S001	141	147	4%	1.52
18/9	Sample S002	424	399	-6%	-2.12
18/9	Sample S001	243	238	-2%	-0.63
18/3	Sample S002	415	390	-6%	-2.15
18/3	Sample S001	276	269	-3%	-0.92

RDW -SD | Sysmex XN Left

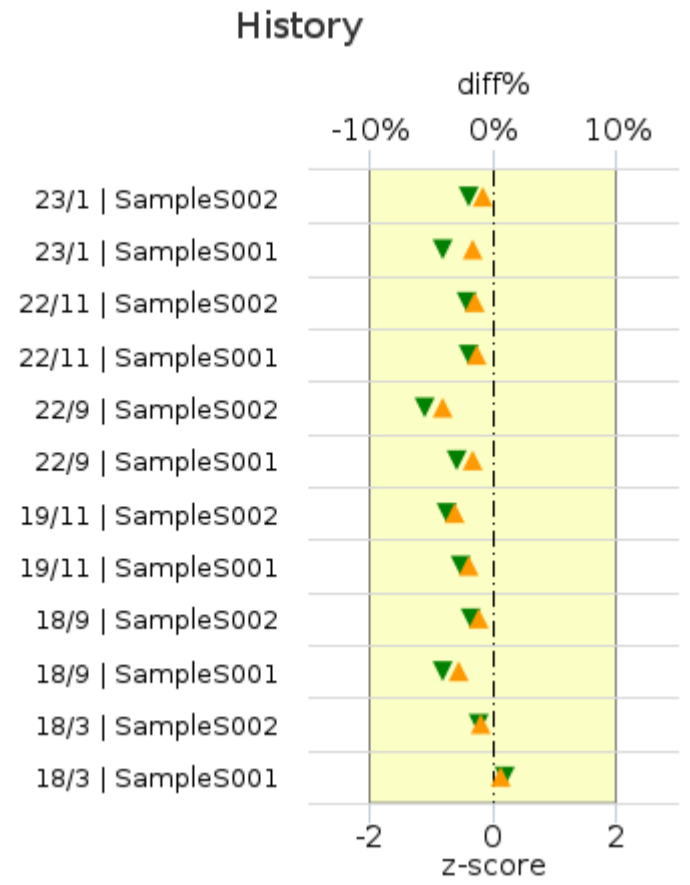
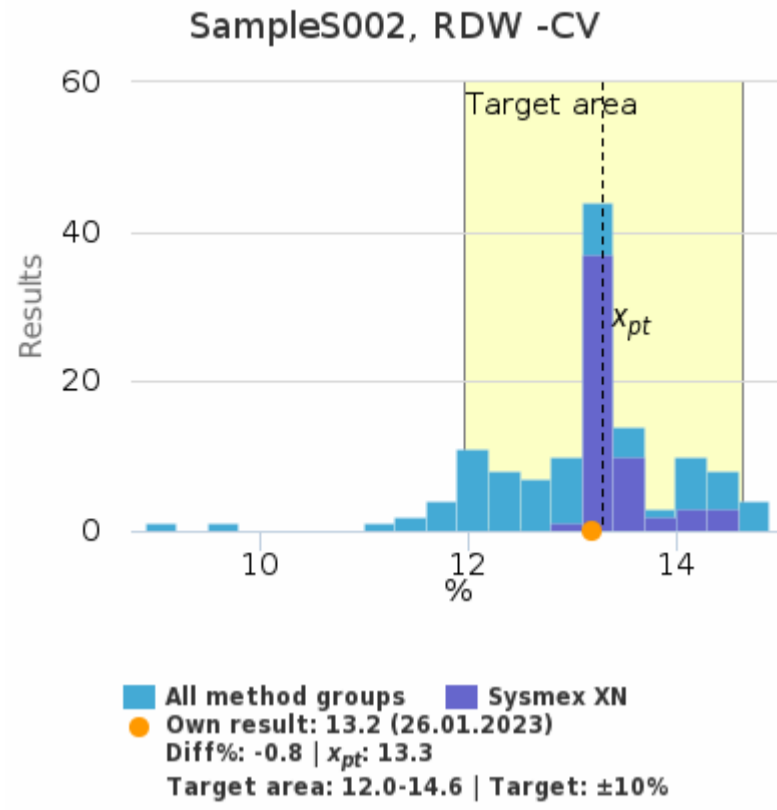
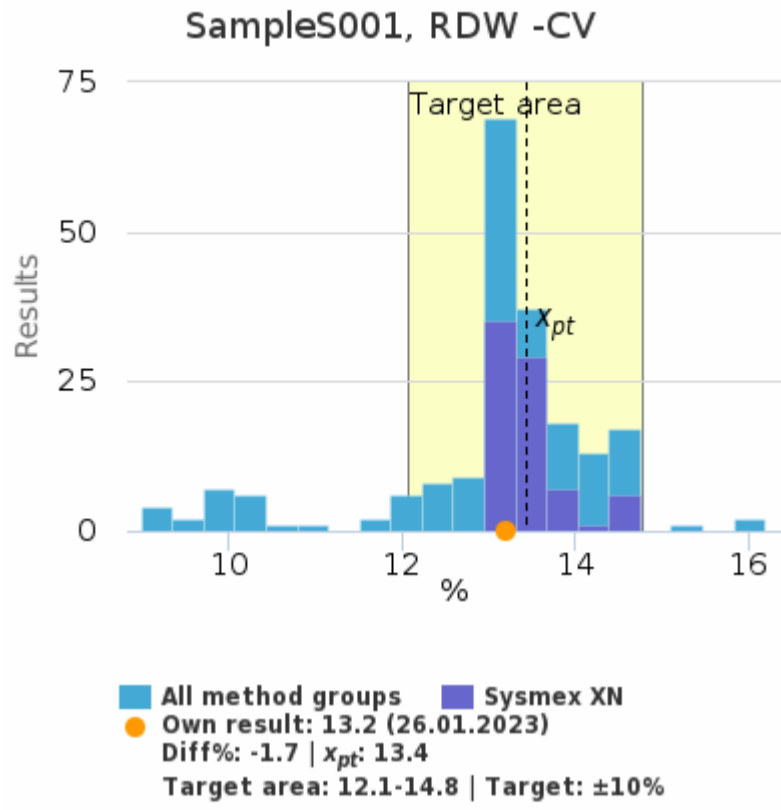


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	39.3 fl	1.3	0.2	3.4	67
All methods	39.0 fl	2.7	0.2	6.9	137

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	40.5 fl	1.2	0.2	3.0	51
All methods	40.6 fl	2.4	0.3	5.8	78

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	40.5	42.2	4.3%	1.46
23/1	Sample S001	39.3	42.1	7.1%	2.10
22/11	Sample S002	43.9	43.0	-2.2%	-0.57
22/11	Sample S001	42.5	42.2	-0.6%	-0.19
22/9	Sample S002	43.2	42.7	-1.2%	-0.28
22/9	Sample S001	43.0	42.7	-0.8%	-0.20
19/11	Sample S002	46.5	45.7	-1.7%	-0.34
19/11	Sample S001	44.7	44.9	0.5%	0.11
18/9	Sample S002	41.6	41.4	-0.5%	-0.16
18/9	Sample S001	41.8	41.2	-1.4%	-0.37
18/3	Sample S002	41.1	41.0	-0.3%	-0.07
18/3	Sample S001	43.5	43.7	0.4%	0.10

RDW -CV | Sysmex XN Left

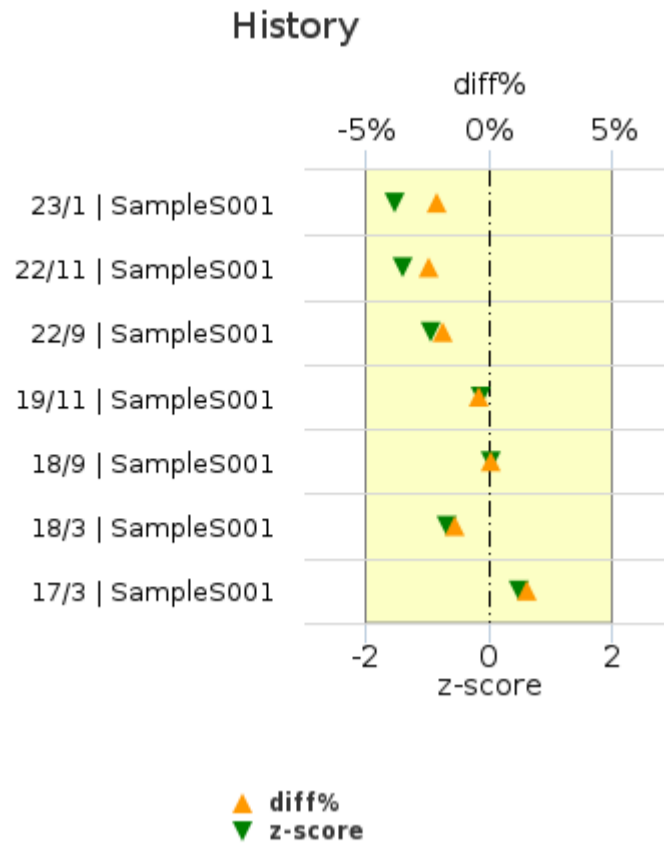
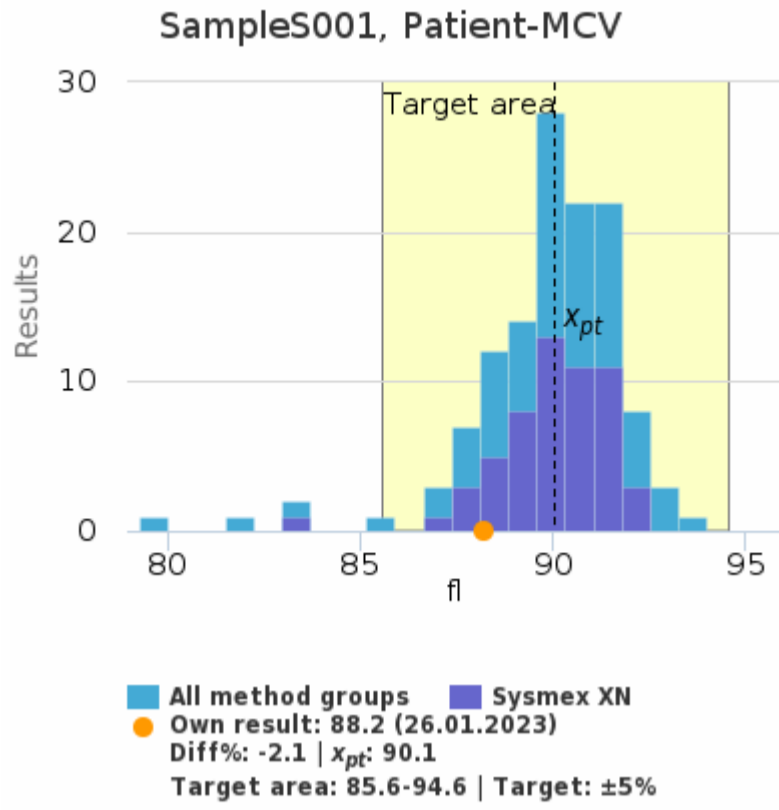


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	13.4 %	0.3	<0.1	2.1	78
All methods	13.2 %	1.1	<0.1	8.2	203

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	13.3 %	0.3	<0.1	2.0	56
All methods	13.1 %	0.8	<0.1	6.0	128

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	13.3	13.2	-0.8%	-0.40
23/1	Sample S001	13.4	13.2	-1.7%	-0.82
22/11	Sample S002	14.3	14.1	-1.4%	-0.43
22/11	Sample S001	14.1	13.9	-1.3%	-0.40
22/9	Sample S002	14.8	14.2	-4.1%	-1.10
22/9	Sample S001	16.4	16.1	-1.7%	-0.59
19/11	Sample S002	15.4	14.9	-3.1%	-0.74
19/11	Sample S001	14.1	13.8	-1.9%	-0.51
18/9	Sample S002	13.7	13.5	-1.2%	-0.36
18/9	Sample S001	14.2	13.8	-2.8%	-0.82
18/3	Sample S002	13.7	13.6	-1.0%	-0.23
18/3	Sample S001	14.5	14.6	0.6%	0.18

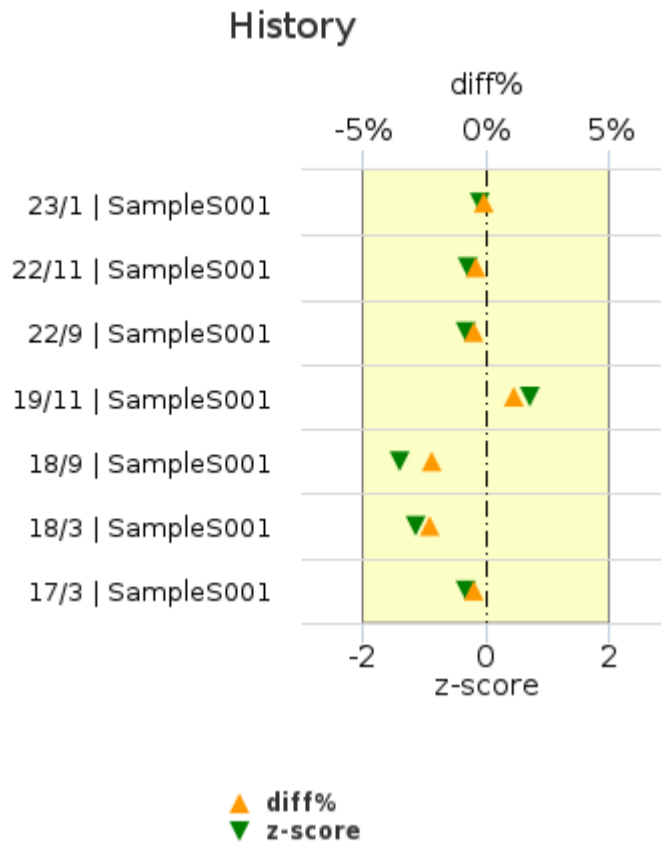
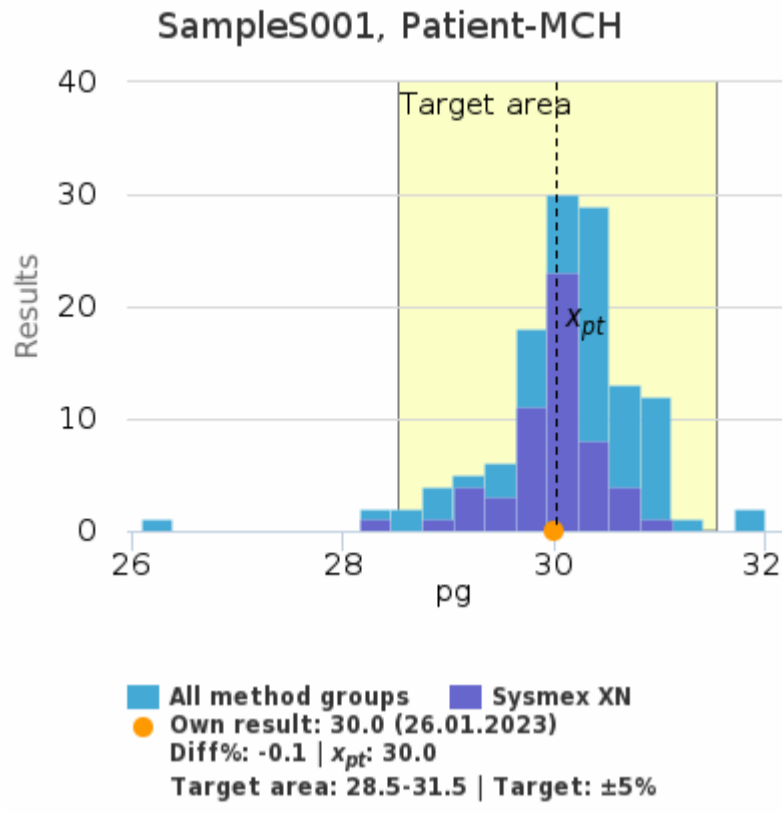
Patient-MCV | Sysmex XN Left



	x_{pt}	sd	SEM	CV%	n
Sysmex XN	90.1 fl	1.2	0.2	1.4	56
All methods	90.1 fl	1.4	0.1	1.6	125

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S001	90.1	88.2	-2.1%	-1.53
22/11	Sample S001	90.3	88.2	-2.4%	-1.38
22/9	Sample S001	89.9	88.2	-1.9%	-0.94
19/11	Sample S001	89.9	89.5	-0.4%	-0.13
18/9	Sample S001	88.6	88.7	0.1%	0.04
18/3	Sample S001	88.8	87.6	-1.4%	-0.67
17/3	Sample S001	88.3	89.6	1.5%	0.49

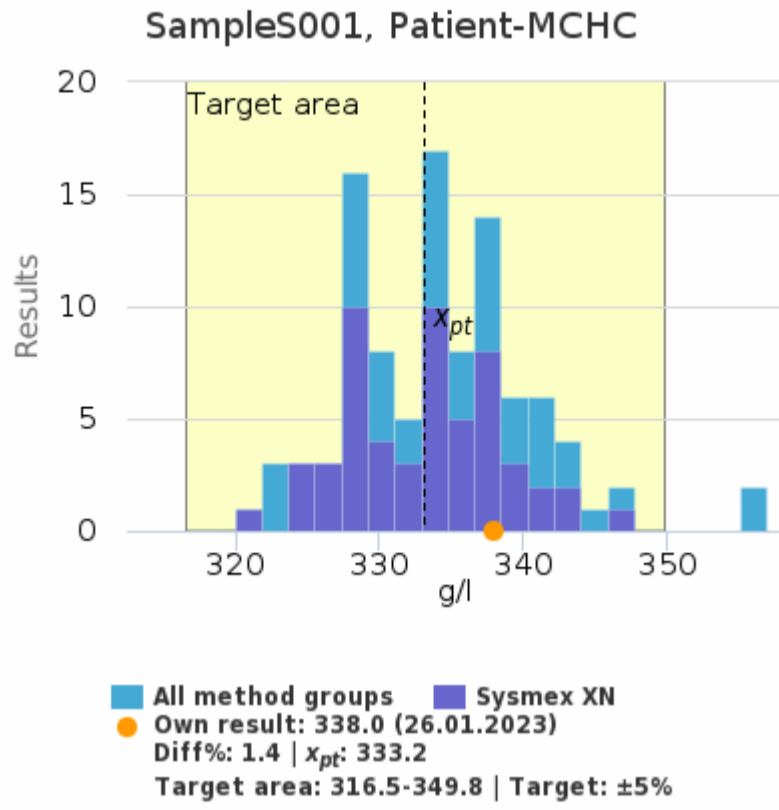
Patient-MCH | Sysmex XN Left



	x_{pt}	sd	SEM	CV%	n
Sysmex XN	30.0 pg	0.4	<0.1	1.3	56
All methods	30.2 pg	0.6	<0.1	2.0	125

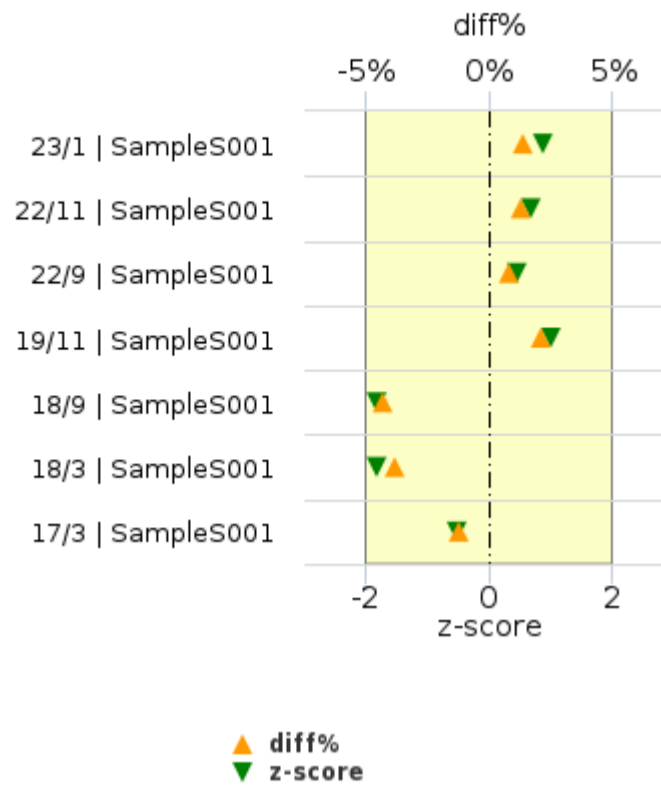
Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S001	30.0	30.0	-0.1%	-0.09
22/11	Sample S001	30.1	30.0	-0.4%	-0.29
22/9	Sample S001	30.2	30.0	-0.5%	-0.31
19/11	Sample S001	30.0	30.3	1.1%	0.71
18/9	Sample S001	29.7	29.1	-2.2%	-1.38
18/3	Sample S001	29.7	29.0	-2.3%	-1.12
17/3	Sample S001	29.8	29.7	-0.5%	-0.33

Patient-MCHC | Sysmex XN Left



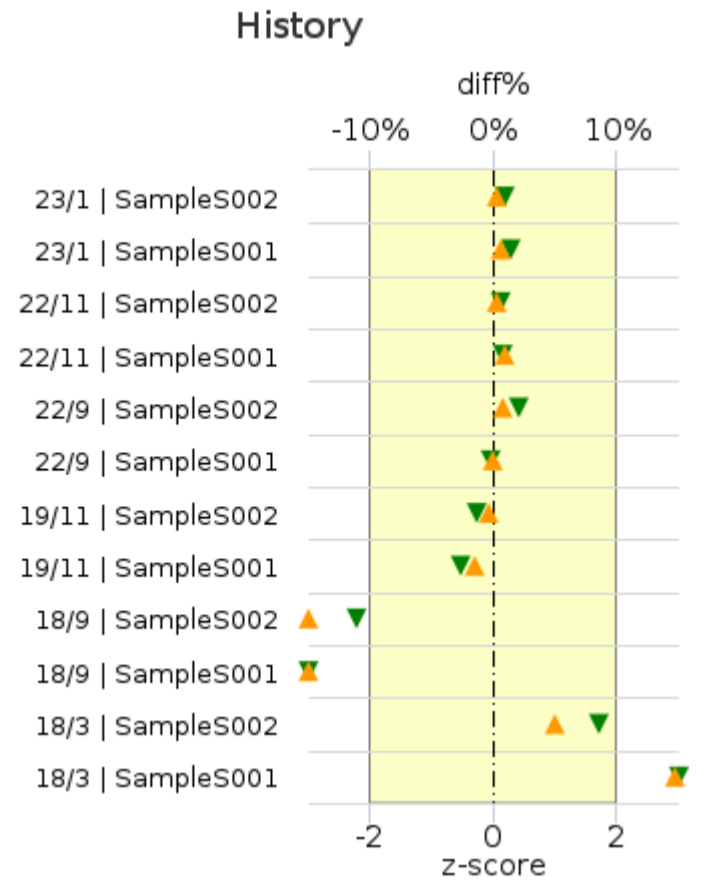
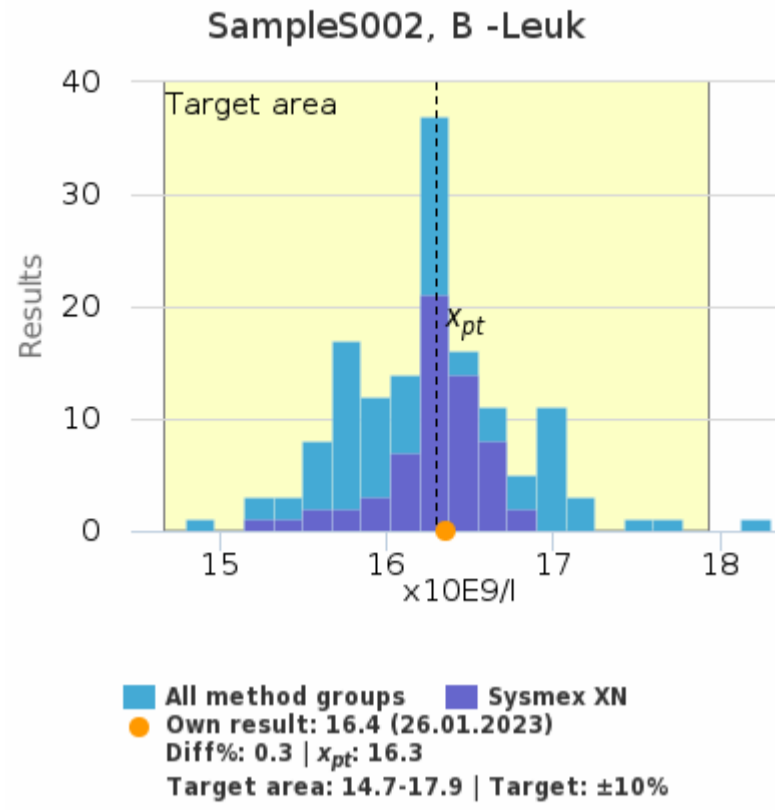
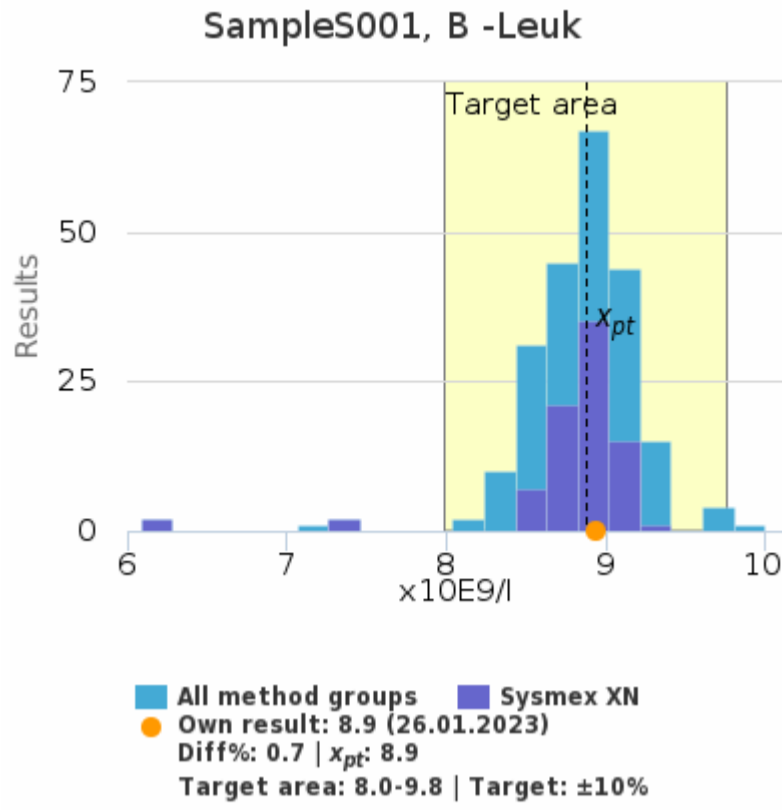
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	333.2 g/l	5.5	0.7	1.6	55
All methods	333.8 g/l	5.7	0.6	1.7	99

History



Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S001	333.2	338.0	1.4%	0.88
22/11	Sample S001	333.6	338.0	1.3%	0.68
22/9	Sample S001	335.2	338.0	0.8%	0.44
19/11	Sample S001	331.4	338.3	2.1%	0.99
18/9	Sample S001	336.1	321.8	-4.3%	-1.82
18/3	Sample S001	334.3	321.5	-3.8%	-1.82
17/3	Sample S001	335.4	331.3	-1.2%	-0.53

B -Leuk | Sysmex XN Right

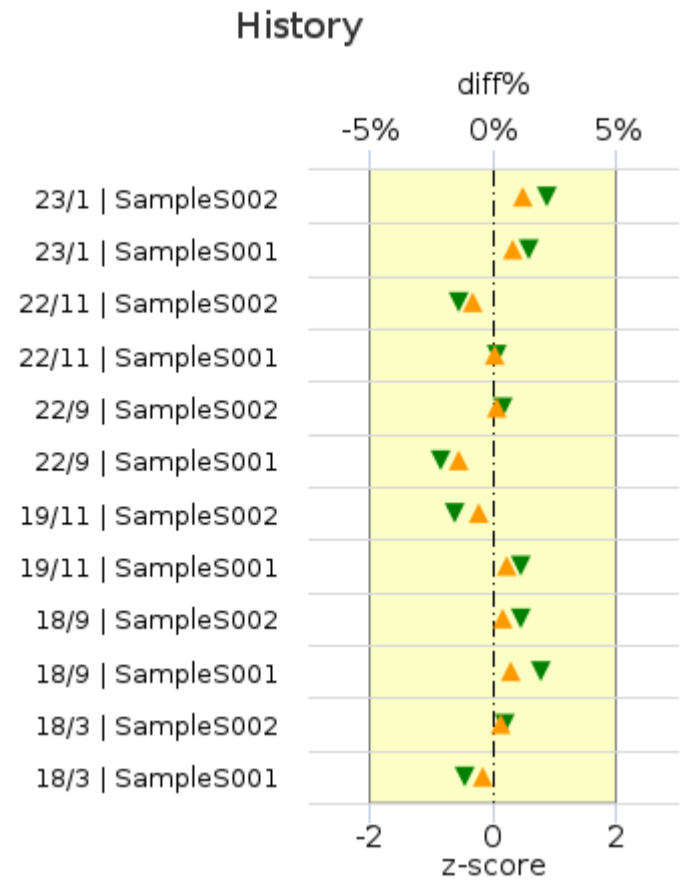
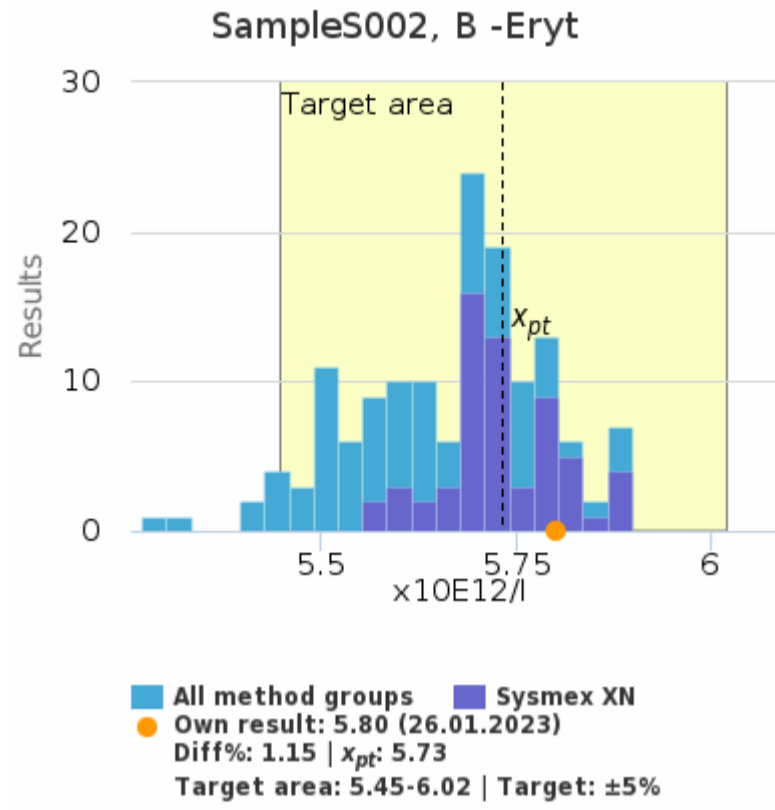
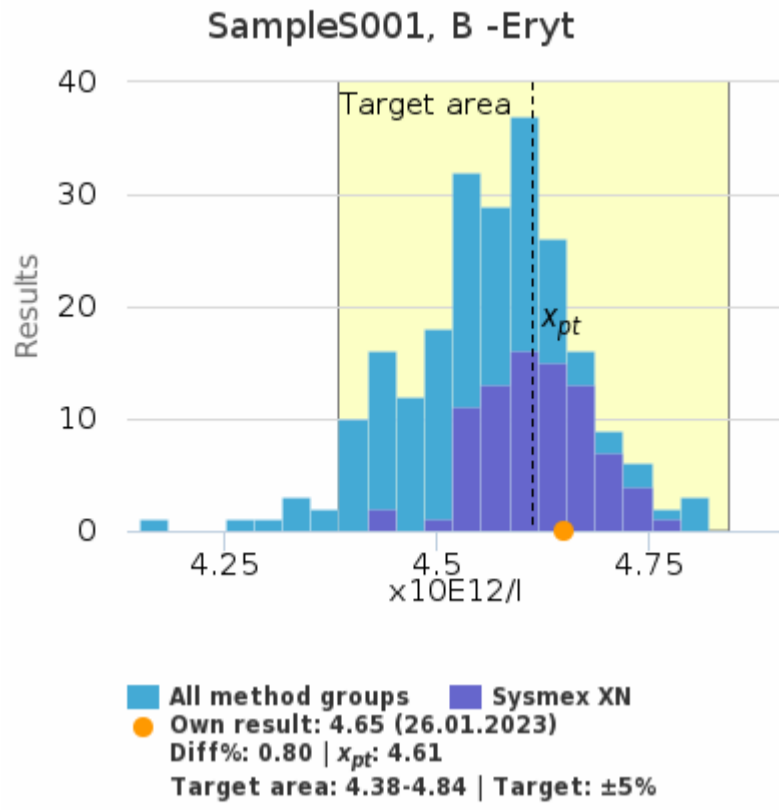


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	8.9 x10E9/l	0.2	<0.1	2.6	83
All methods	8.9 x10E9/l	0.3	<0.1	3.1	224

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	16.3 x10E9/l	0.3	<0.1	1.7	61
All methods	16.2 x10E9/l	0.5	<0.1	2.9	144

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	16.3	16.4	0.3%	0.18
23/1	Sample S001	8.9	8.9	0.7%	0.28
22/11	Sample S002	18.0	18.1	0.4%	0.12
22/11	Sample S001	8.8	8.9	1.0%	0.16
22/9	Sample S002	9.3	9.4	0.8%	0.43
22/9	Sample S001	7.8	7.8	0.0%	-0.03
19/11	Sample S002	19.4	19.3	-0.4%	-0.25
19/11	Sample S001	2.3	2.3	-1.5%	-0.53
18/9	Sample S002	19.2	15.0	-21.6%	-2.19
18/9	Sample S001	9.1	6.9	-24.1%	-4.28
18/3	Sample S002	19.1	20.0	5.0%	1.72
18/3	Sample S001	11.6	14.6	25.6%	10.57

B -Eryt | Sysmex XN Right



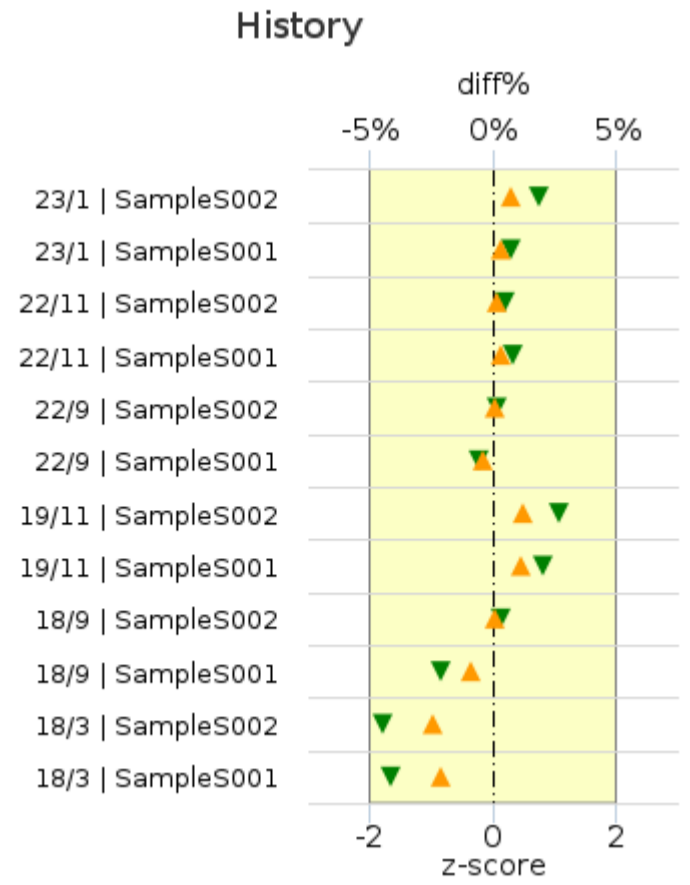
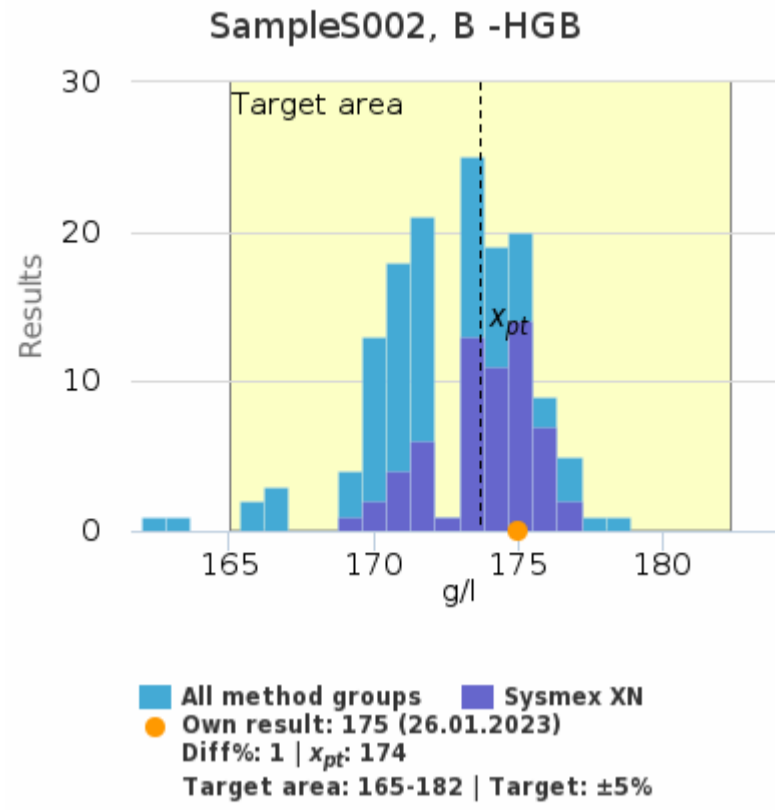
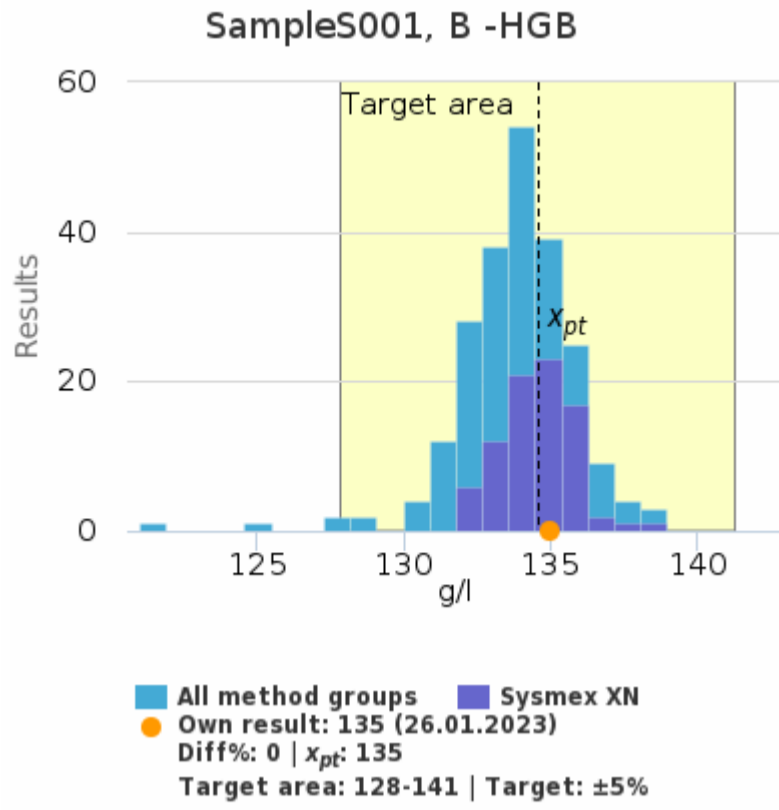
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	4.61 x10E12/l	0.06	<0.01	1.4	83
All methods	4.56 x10E12/l	0.09	<0.01	2.1	224

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	5.73 x10E12/l	0.08	<0.01	1.3	61
All methods	5.67 x10E12/l	0.12	<0.01	2.0	144

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	5.73	5.80	1.15%	0.87
23/1	Sample S001	4.61	4.65	0.80%	0.58
22/11	Sample S002	3.10	3.08	-0.77%	-0.56
22/11	Sample S001	4.65	4.65	0.07%	0.07
22/9	Sample S002	4.61	4.62	0.19%	0.16
22/9	Sample S001	2.02	1.99	-1.41%	-0.84
19/11	Sample S002	4.94	4.91	-0.63%	-0.61
19/11	Sample S001	2.06	2.07	0.62%	0.47
18/9	Sample S002	5.18	5.20	0.39%	0.44
18/9	Sample S001	4.67	4.70	0.71%	0.77
18/3	Sample S002	4.19	4.20	0.28%	0.20
18/3	Sample S001	5.32	5.30	-0.44%	-0.44

B -HGB | Sysmex XN Right

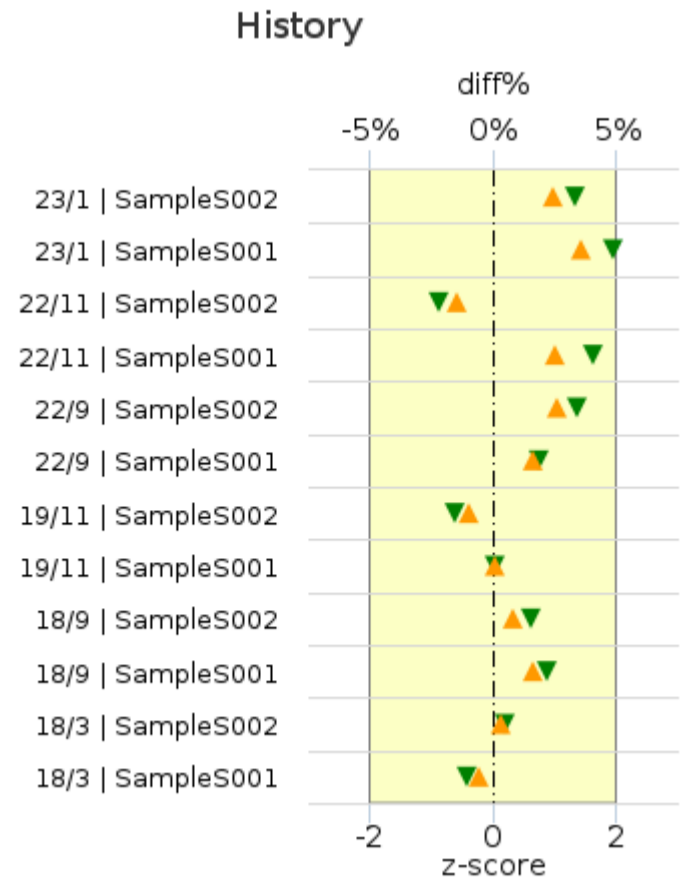
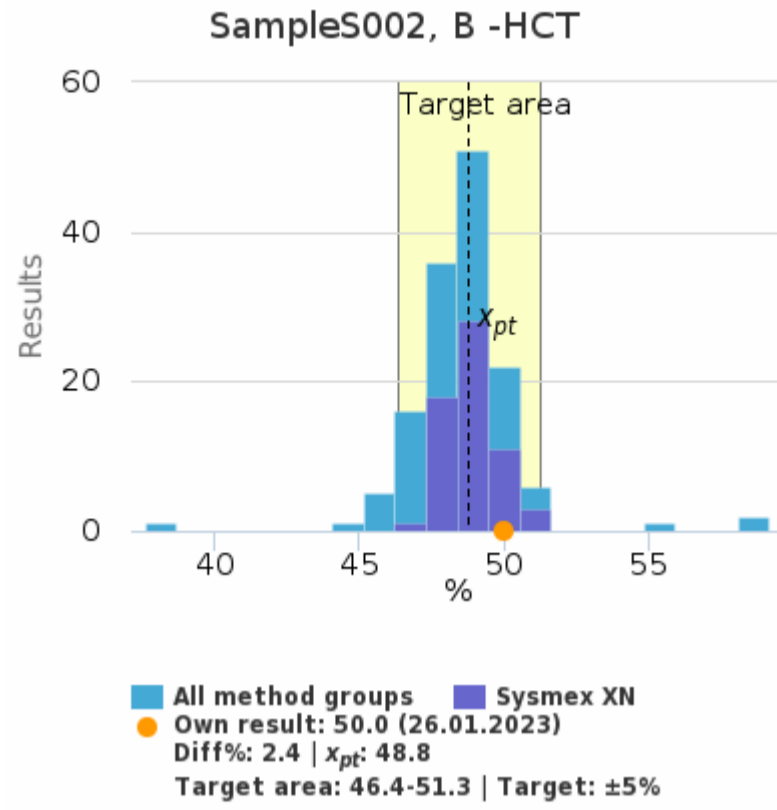
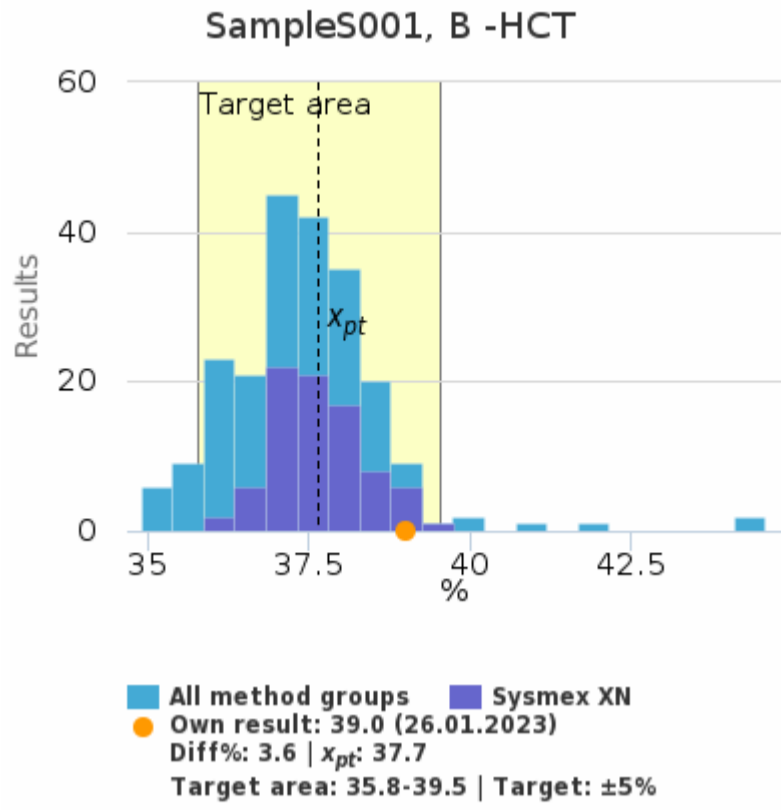


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	135 g/l	1	<1	1.0	83
All methods	134 g/l	2	<1	1.4	222

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	174 g/l	2	<1	1.0	61
All methods	173 g/l	2	<1	1.4	144

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	174	175	1%	0.74
23/1	Sample S001	135	135	0%	0.30
22/11	Sample S002	96	96	0%	0.20
22/11	Sample S001	141	141	0%	0.34
22/9	Sample S002	135	135	0%	0.06
22/9	Sample S001	51	51	0%	-0.24
19/11	Sample S002	146	148	1%	1.07
19/11	Sample S001	62	63	1%	0.81
18/9	Sample S002	156	156	0%	0.13
18/9	Sample S001	137	136	-1%	-0.85
18/3	Sample S002	124	121	-2%	-1.77
18/3	Sample S001	157	154	-2%	-1.65

B -HCT | Sysmex XN Right



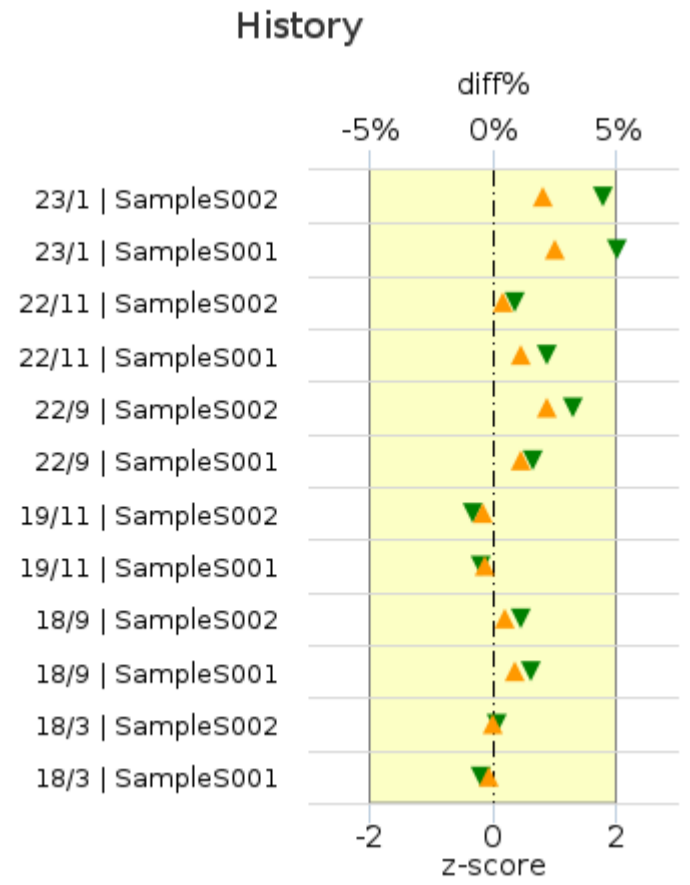
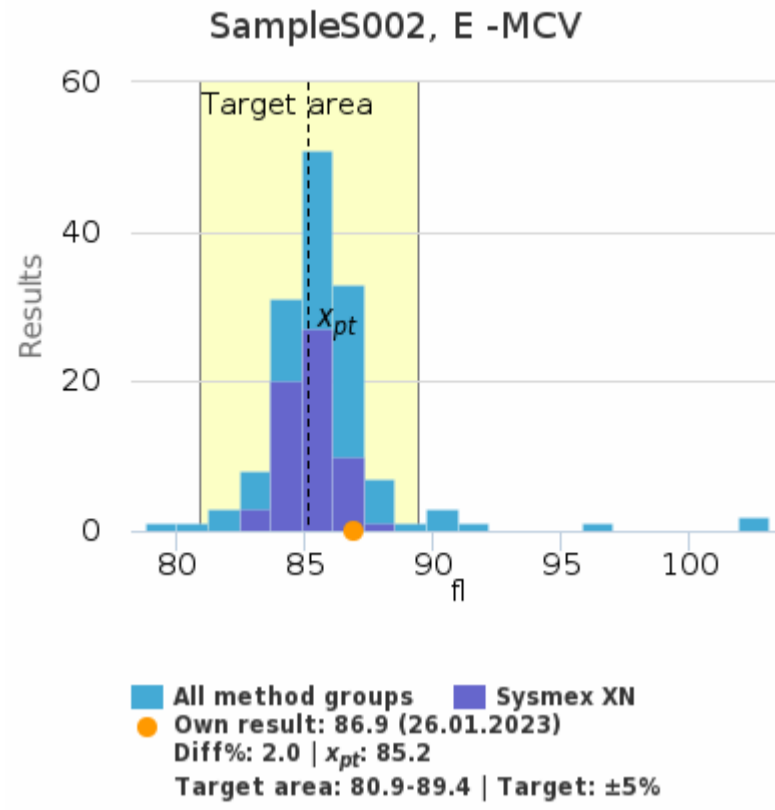
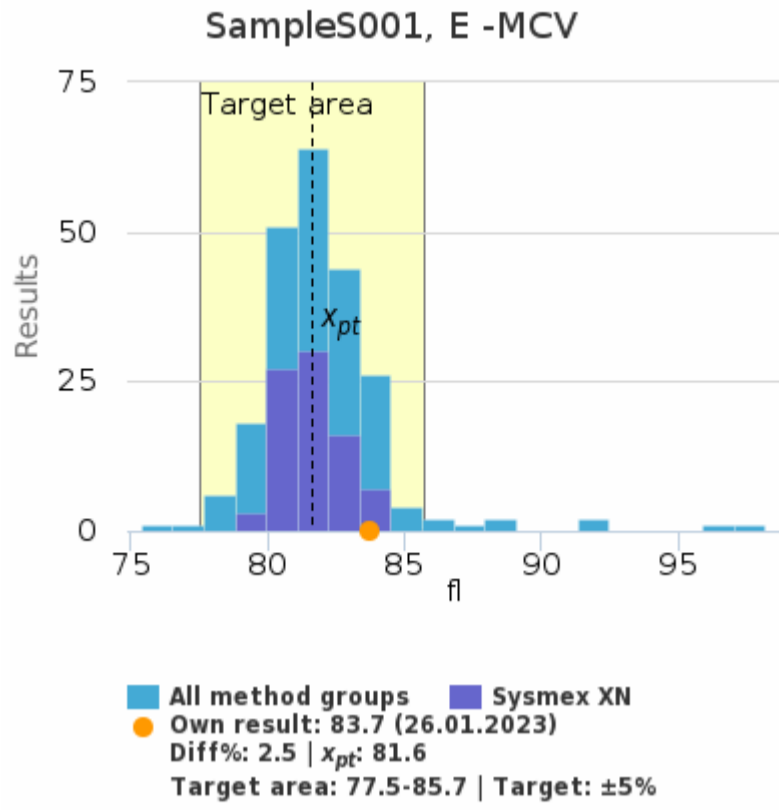
	x _{pt}	sd	SEM	CV%	n
Sysmex XN	37.7 %	0.7	<0.1	1.8	83
All methods	37.3 %	1.0	<0.1	2.7	217

	x _{pt}	sd	SEM	CV%	n
Sysmex XN	48.8 %	0.9	0.1	1.8	61
All methods	48.5 %	1.2	0.1	2.5	141

▲ diff%
▼ z-score

Round	Sample	x _{pt}	Result	diff%	z-score
23/1	Sample S002	48.8	50.0	2.4%	1.32
23/1	Sample S001	37.7	39.0	3.6%	1.95
22/11	Sample S002	26.4	26.0	-1.5%	-0.86
22/11	Sample S001	39.0	40.0	2.5%	1.63
22/9	Sample S002	37.5	38.5	2.6%	1.36
22/9	Sample S001	14.8	15.0	1.6%	0.74
19/11	Sample S002	41.2	40.8	-1.0%	-0.62
19/11	Sample S001	18.0	18.0	0.1%	0.04
18/9	Sample S002	43.7	44.0	0.8%	0.61
18/9	Sample S001	38.2	38.8	1.6%	0.89
18/3	Sample S002	34.7	34.8	0.3%	0.20
18/3	Sample S001	44.3	44.0	-0.6%	-0.42

E -MCV | Sysmex XN Right



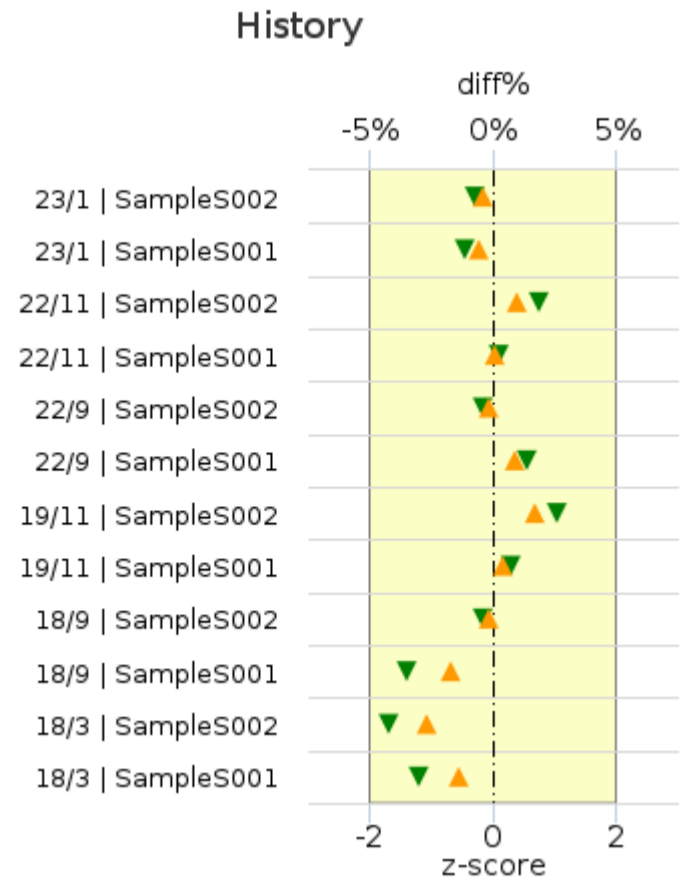
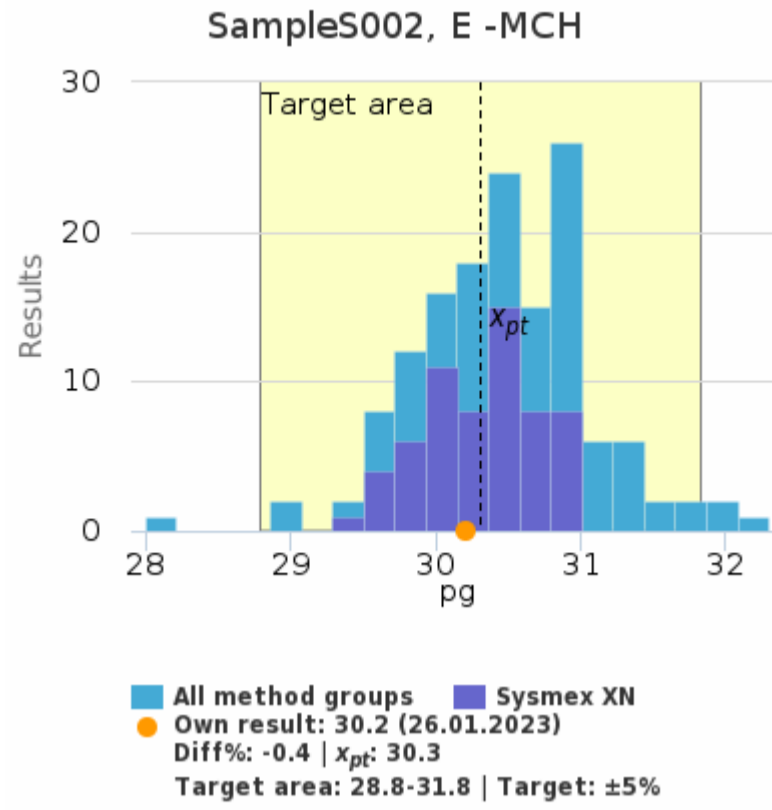
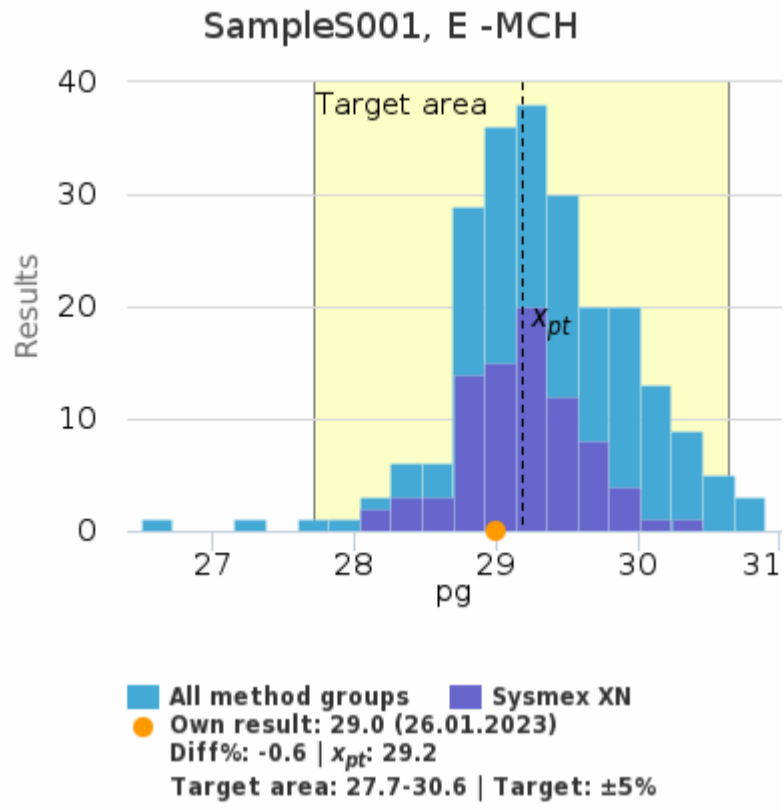
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	81.6 fl	1.0	0.1	1.3	83
All methods	81.8 fl	1.7	0.1	2.1	224

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	85.2 fl	1.0	0.1	1.2	61
All methods	85.5 fl	1.8	0.1	2.1	143

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	85.2	86.9	2.0%	1.77
23/1	Sample S001	81.6	83.7	2.5%	2.00
22/11	Sample S002	85.0	85.4	0.4%	0.35
22/11	Sample S001	84.0	84.9	1.1%	0.86
22/9	Sample S002	81.4	83.2	2.2%	1.29
22/9	Sample S001	73.1	73.9	1.1%	0.64
19/11	Sample S002	83.4	83.1	-0.4%	-0.32
19/11	Sample S001	87.3	87.0	-0.3%	-0.20
18/9	Sample S002	84.1	84.6	0.5%	0.46
18/9	Sample S001	81.9	82.6	0.9%	0.60
18/3	Sample S002	82.9	82.9	0.0%	0.05
18/3	Sample S001	83.1	83.0	-0.2%	-0.18

E -MCH | Sysmex XN Right



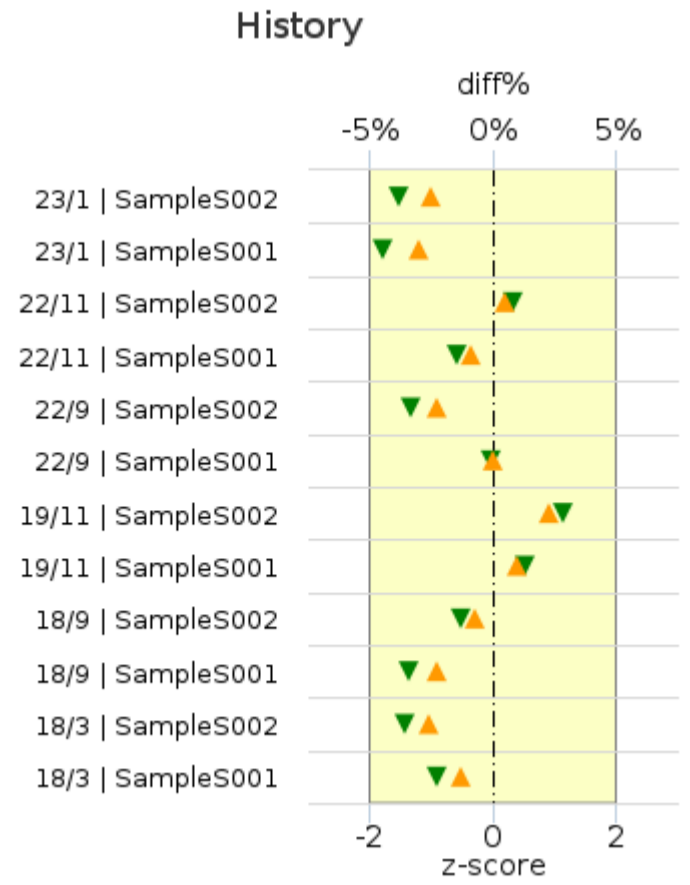
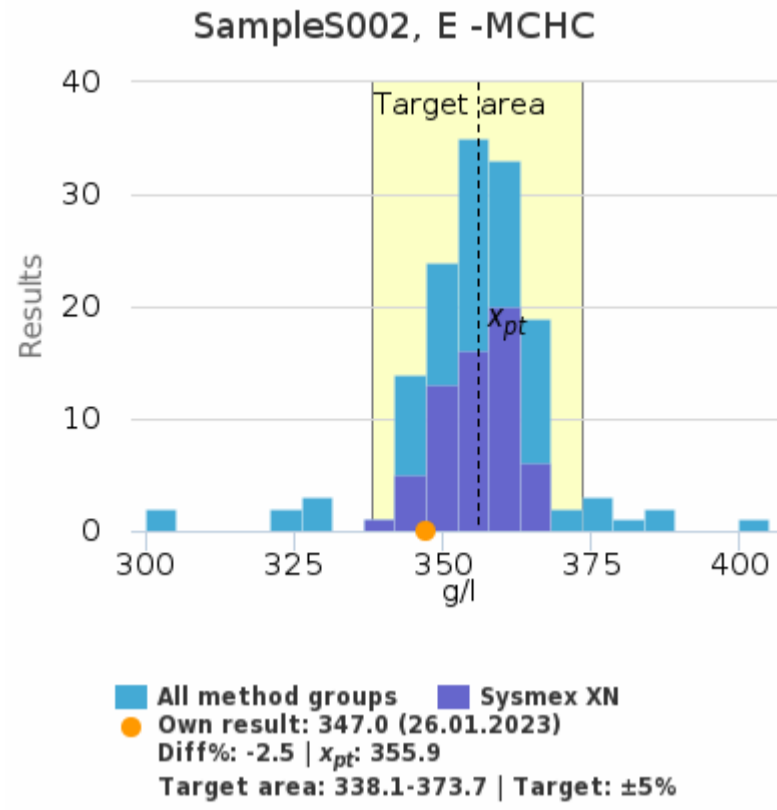
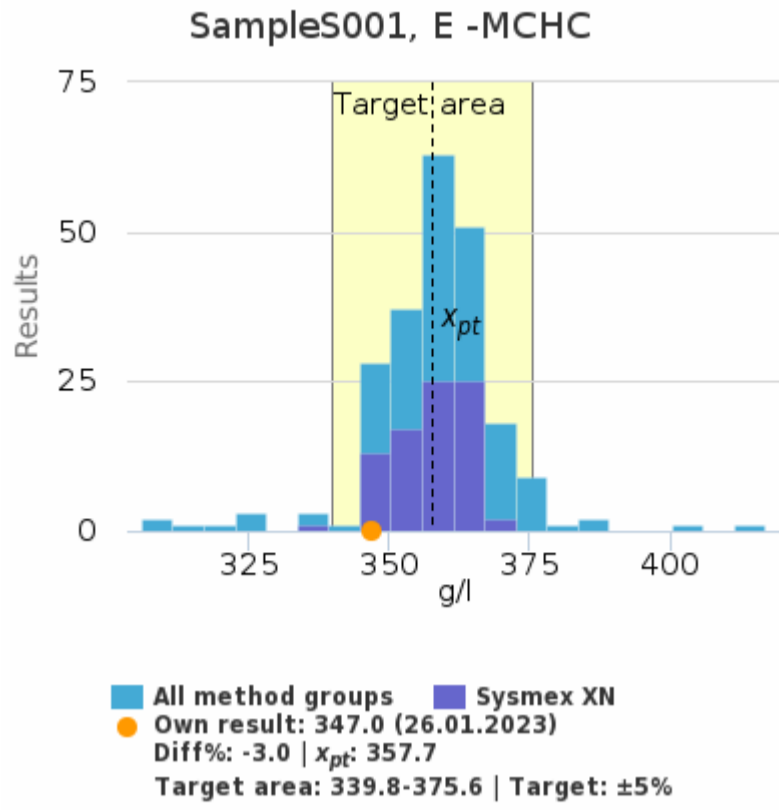
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	29.2 pg	0.4	<0.1	1.4	83
All methods	29.4 pg	0.6	<0.1	1.9	222

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	30.3 pg	0.4	<0.1	1.2	61
All methods	30.5 pg	0.6	<0.1	1.9	143

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	30.3	30.2	-0.4%	-0.29
23/1	Sample S001	29.2	29.0	-0.6%	-0.44
22/11	Sample S002	30.9	31.2	1.0%	0.76
22/11	Sample S001	30.3	30.3	0.1%	0.11
22/9	Sample S002	29.3	29.2	-0.2%	-0.16
22/9	Sample S001	25.4	25.6	0.9%	0.55
19/11	Sample S002	29.6	30.1	1.7%	1.04
19/11	Sample S001	30.3	30.4	0.4%	0.28
18/9	Sample S002	30.1	30.0	-0.2%	-0.16
18/9	Sample S001	29.4	28.9	-1.7%	-1.39
18/3	Sample S002	29.6	28.8	-2.7%	-1.69
18/3	Sample S001	29.5	29.1	-1.4%	-1.21

E -MCHC | Sysmex XN Right



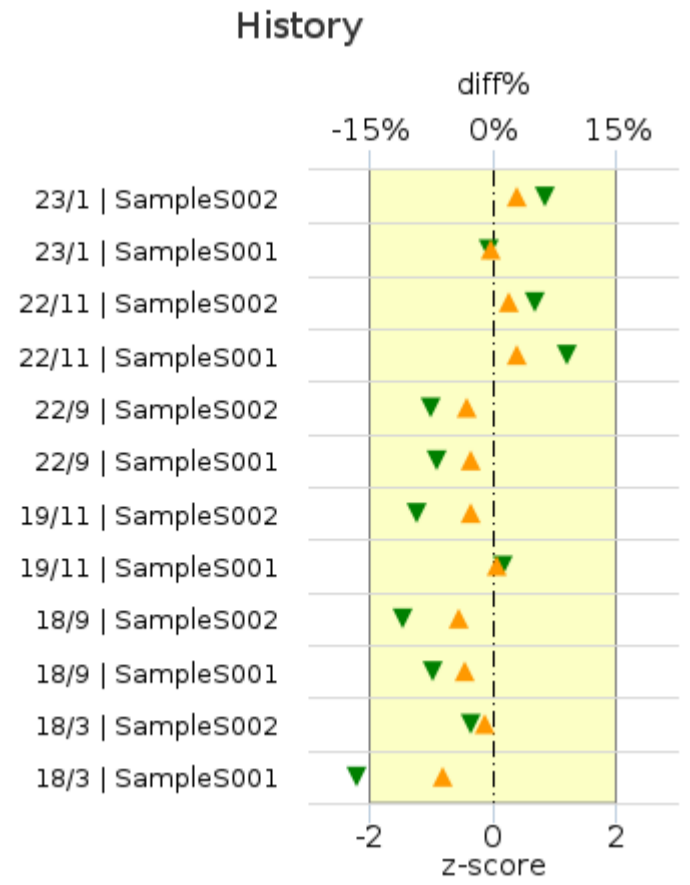
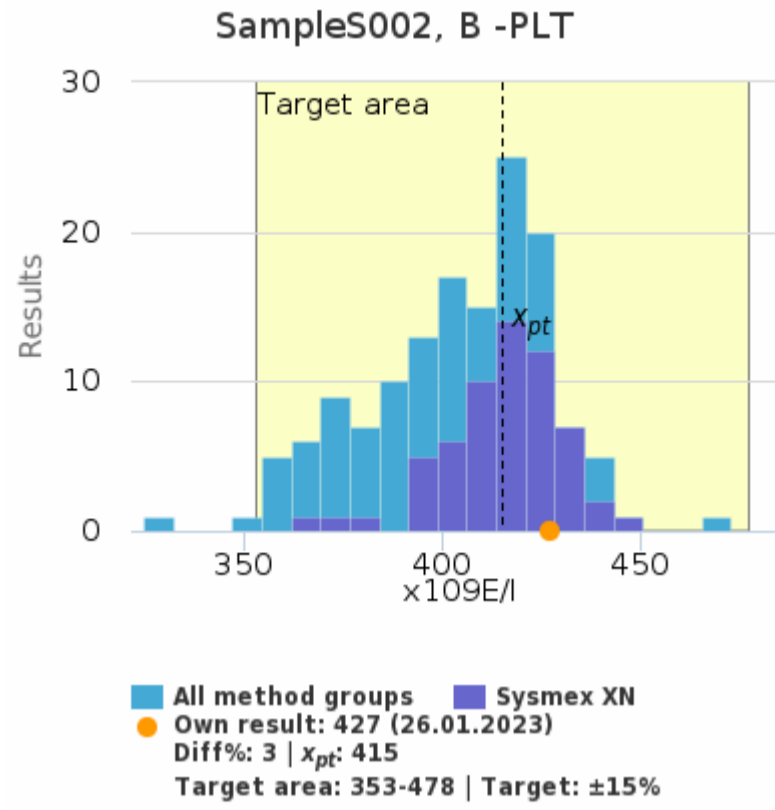
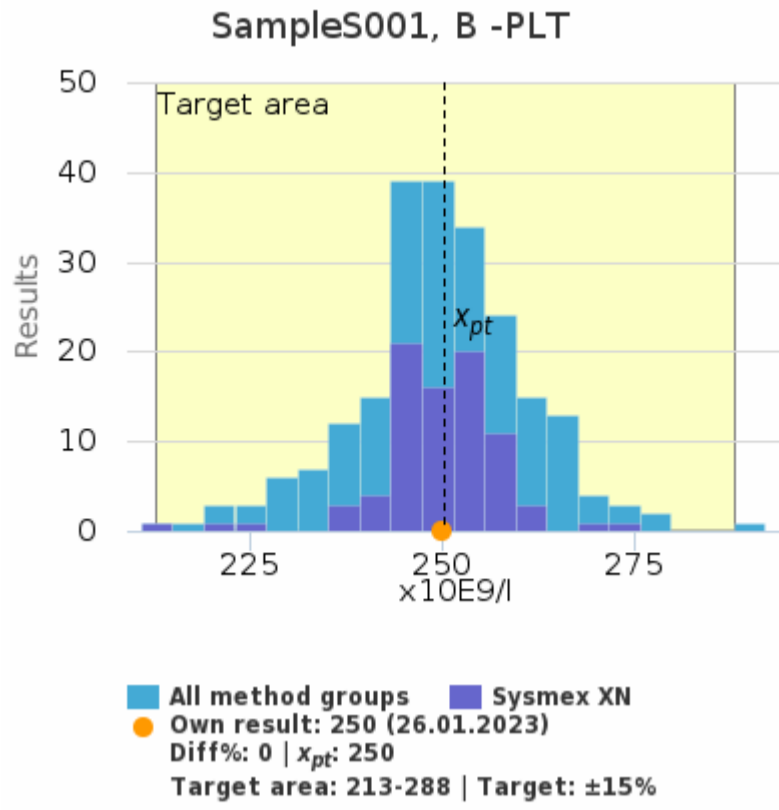
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	357.7 g/l	6.0	0.7	1.7	83
All methods	358.8 g/l	9.0	0.6	2.5	222

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	355.9 g/l	5.9	0.8	1.6	61
All methods	356.0 g/l	9.9	0.8	2.8	142

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	355.9	347.0	-2.5%	-1.52
23/1	Sample S001	357.7	347.0	-3.0%	-1.79
22/11	Sample S002	363.3	365.0	0.5%	0.31
22/11	Sample S001	360.2	357.0	-0.9%	-0.57
22/9	Sample S002	359.4	351.0	-2.3%	-1.33
22/9	Sample S001	347.1	347.0	0.0%	-0.02
19/11	Sample S002	354.7	363.0	2.3%	1.15
19/11	Sample S001	346.4	350.0	1.0%	0.53
18/9	Sample S002	357.6	355.0	-0.7%	-0.51
18/9	Sample S001	359.1	351.0	-2.3%	-1.36
18/3	Sample S002	357.3	348.0	-2.6%	-1.42
18/3	Sample S001	354.7	350.0	-1.3%	-0.91

B -PLT | Sysmex XN Right



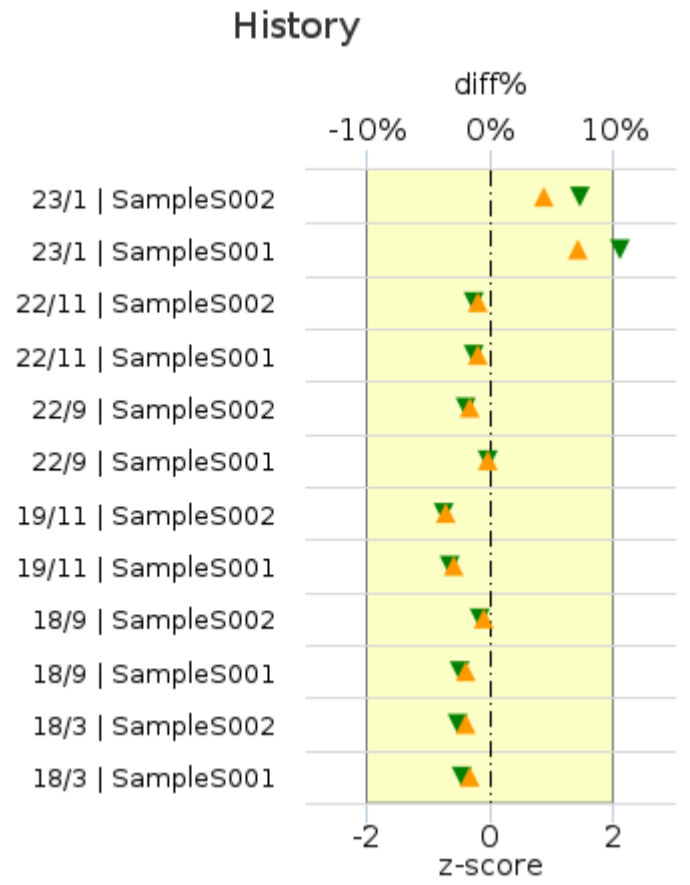
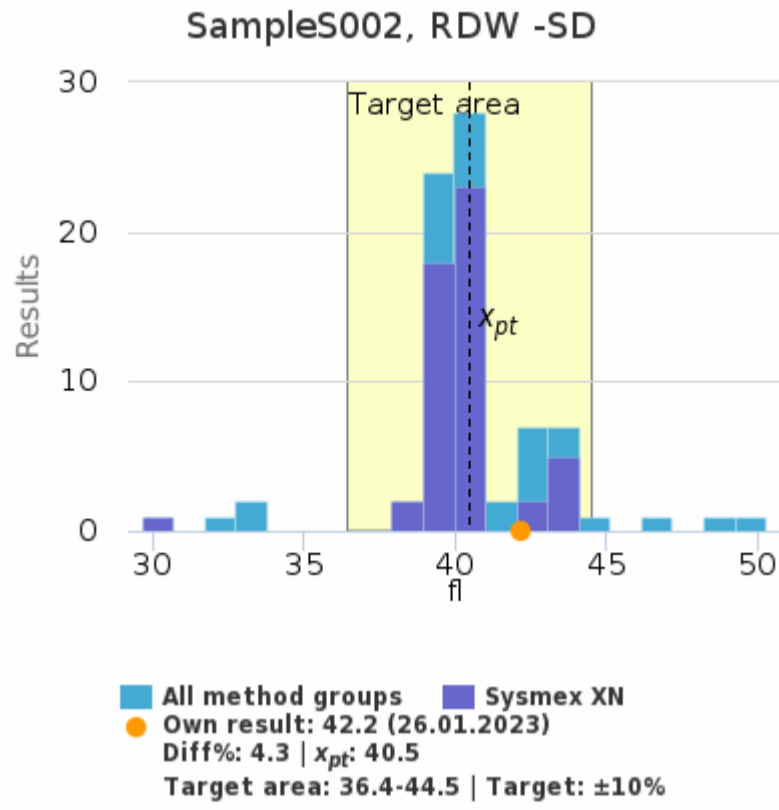
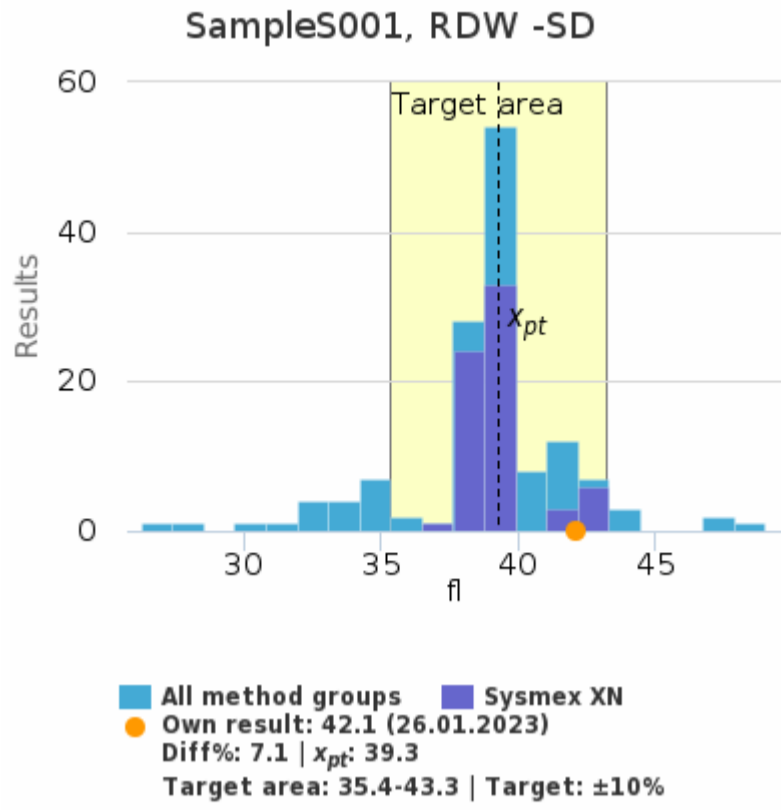
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	250 x10E9/l	7	<1	2.8	83
All methods	250 x10E9/l	11	<1	4.3	222

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	415 x109E/l	14	2	3.4	60
All methods	404 x109E/l	22	2	5.5	143

▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	415	427	3%	0.84
23/1	Sample S001	250	250	0%	-0.07
22/11	Sample S002	421	429	2%	0.68
22/11	Sample S001	260	267	3%	1.20
22/9	Sample S002	243	235	-3%	-1.01
22/9	Sample S001	434	422	-3%	-0.90
19/11	Sample S002	441	429	-3%	-1.24
19/11	Sample S001	141	142	0%	0.15
18/9	Sample S002	424	407	-4%	-1.45
18/9	Sample S001	243	235	-3%	-0.98
18/3	Sample S002	415	411	-1%	-0.36
18/3	Sample S001	276	259	-6%	-2.19

RDW -SD | Sysmex XN Right

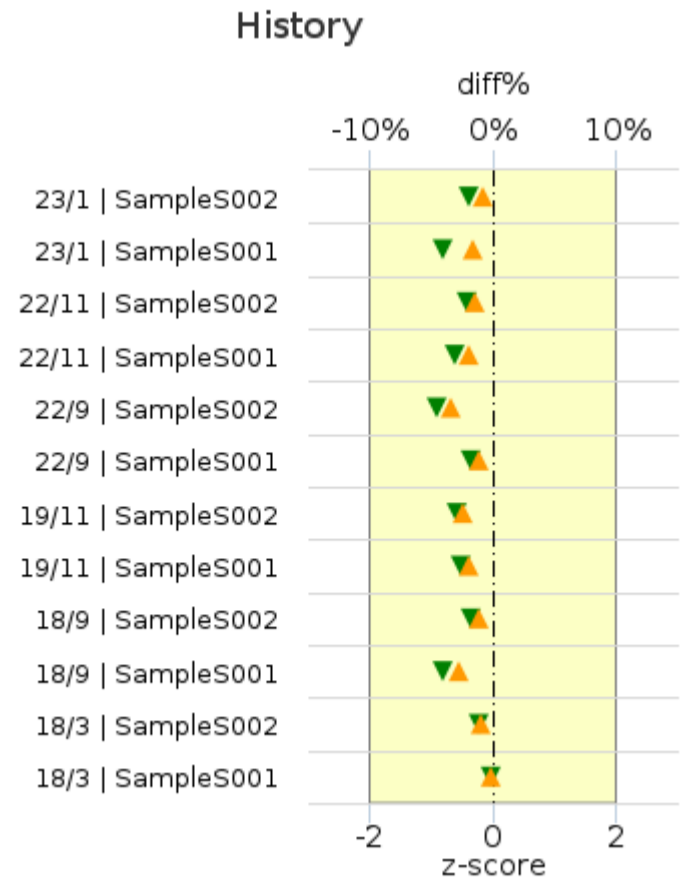
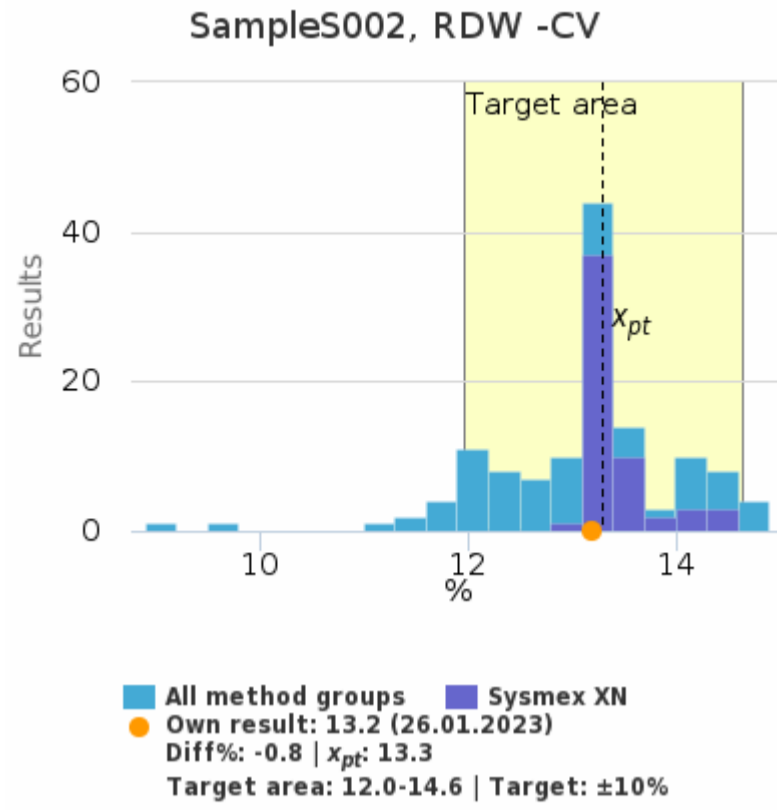
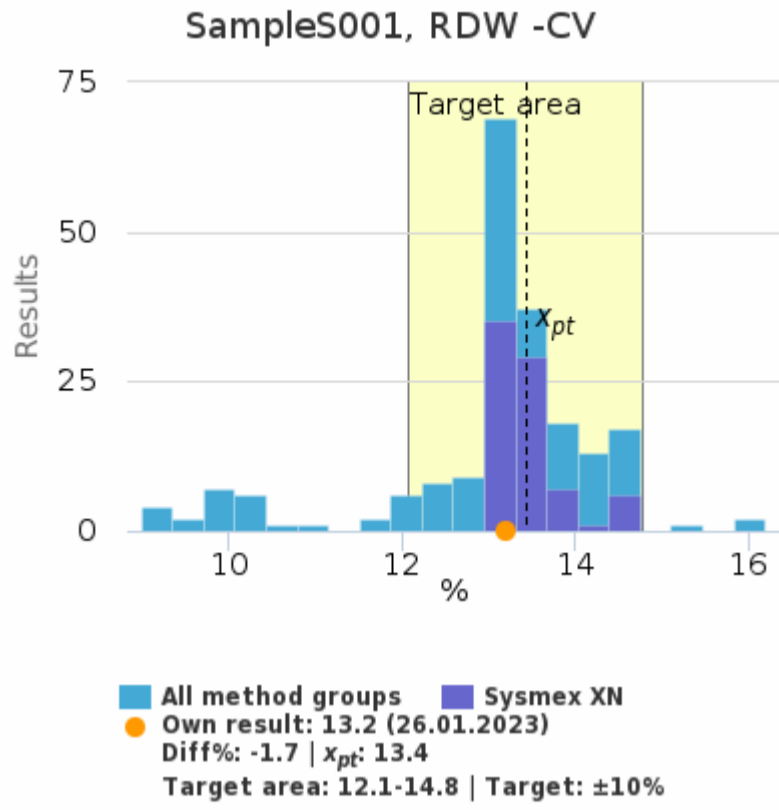


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	39.3 fl	1.3	0.2	3.4	67
All methods	39.0 fl	2.7	0.2	6.9	137

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	40.5 fl	1.2	0.2	3.0	51
All methods	40.6 fl	2.4	0.3	5.8	78

Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	40.5	42.2	4.3%	1.46
23/1	Sample S001	39.3	42.1	7.1%	2.10
22/11	Sample S002	43.9	43.5	-1.0%	-0.27
22/11	Sample S001	42.5	42.1	-0.9%	-0.26
22/9	Sample S002	43.2	42.5	-1.7%	-0.38
22/9	Sample S001	43.0	43.0	-0.1%	-0.03
19/11	Sample S002	46.5	44.8	-3.6%	-0.74
19/11	Sample S001	44.7	43.4	-2.9%	-0.64
18/9	Sample S002	41.6	41.4	-0.5%	-0.16
18/9	Sample S001	41.8	41.0	-1.9%	-0.50
18/3	Sample S002	41.1	40.3	-2.0%	-0.53
18/3	Sample S001	43.5	42.8	-1.7%	-0.44

RDW -CV | Sysmex XN Right

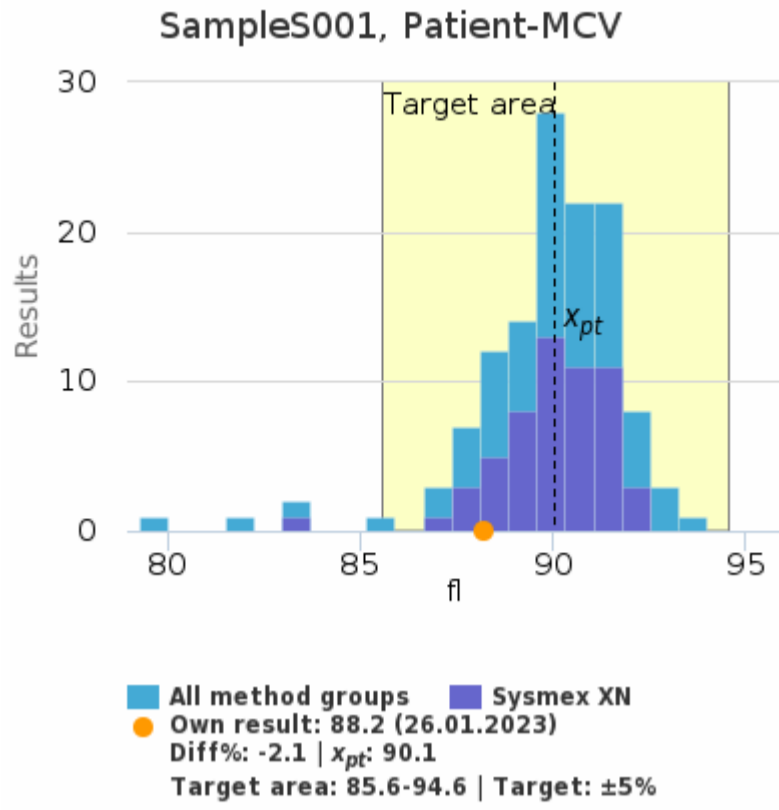


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	13.4 %	0.3	<0.1	2.1	78
All methods	13.2 %	1.1	<0.1	8.2	203

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	13.3 %	0.3	<0.1	2.0	56
All methods	13.1 %	0.8	<0.1	6.0	128

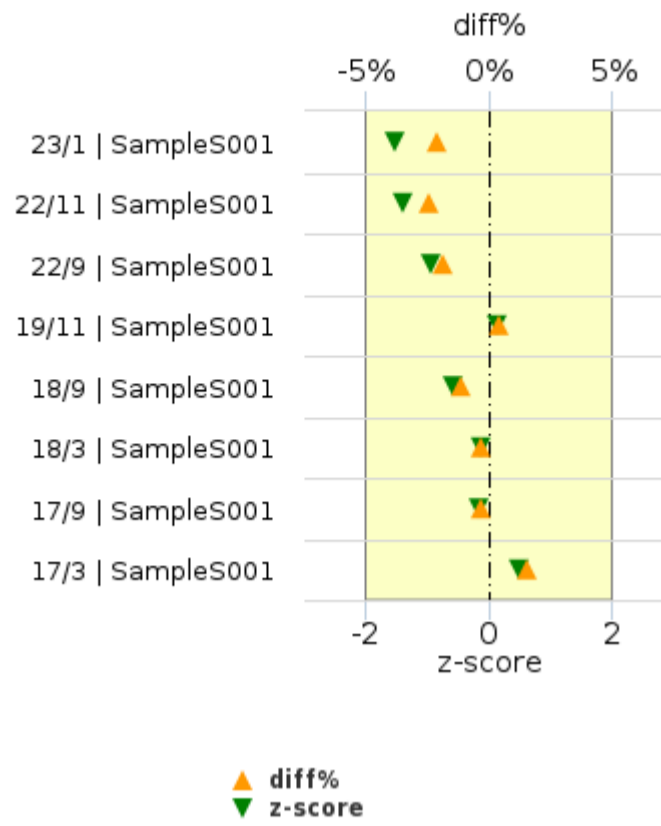
Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S002	13.3	13.2	-0.8%	-0.40
23/1	Sample S001	13.4	13.2	-1.7%	-0.82
22/11	Sample S002	14.3	14.1	-1.4%	-0.43
22/11	Sample S001	14.1	13.8	-2.0%	-0.62
22/9	Sample S002	14.8	14.3	-3.4%	-0.92
22/9	Sample S001	16.4	16.2	-1.1%	-0.37
19/11	Sample S002	15.4	15.0	-2.5%	-0.59
19/11	Sample S001	14.1	13.8	-1.9%	-0.51
18/9	Sample S002	13.7	13.5	-1.2%	-0.36
18/9	Sample S001	14.2	13.8	-2.8%	-0.82
18/3	Sample S002	13.7	13.6	-1.0%	-0.23
18/3	Sample S001	14.5	14.5	-0.1%	-0.03

Patient-MCV | Sysmex XN Right



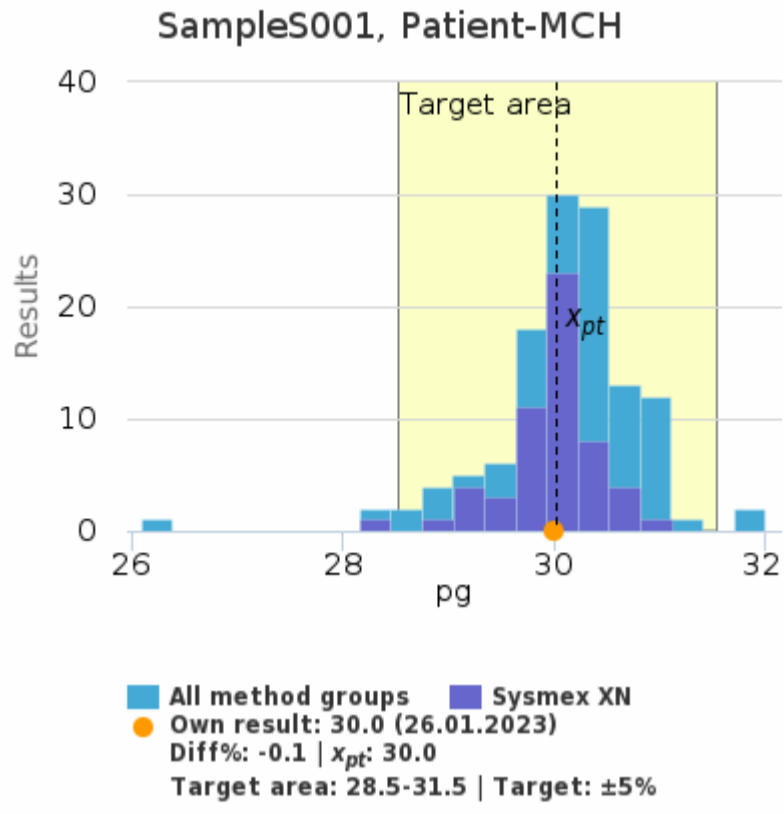
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	90.1 fl	1.2	0.2	1.4	56
All methods	90.1 fl	1.4	0.1	1.6	125

History



Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S001	90.1	88.2	-2.1%	-1.53
22/11	Sample S001	90.3	88.2	-2.4%	-1.38
22/9	Sample S001	89.9	88.2	-1.9%	-0.94
19/11	Sample S001	89.9	90.2	0.4%	0.12
18/9	Sample S001	88.6	87.7	-1.1%	-0.57
18/3	Sample S001	88.8	88.6	-0.3%	-0.14
17/9	Sample S001	88.9	88.7	-0.3%	-0.16
17/3	Sample S001	88.3	89.6	1.5%	0.49

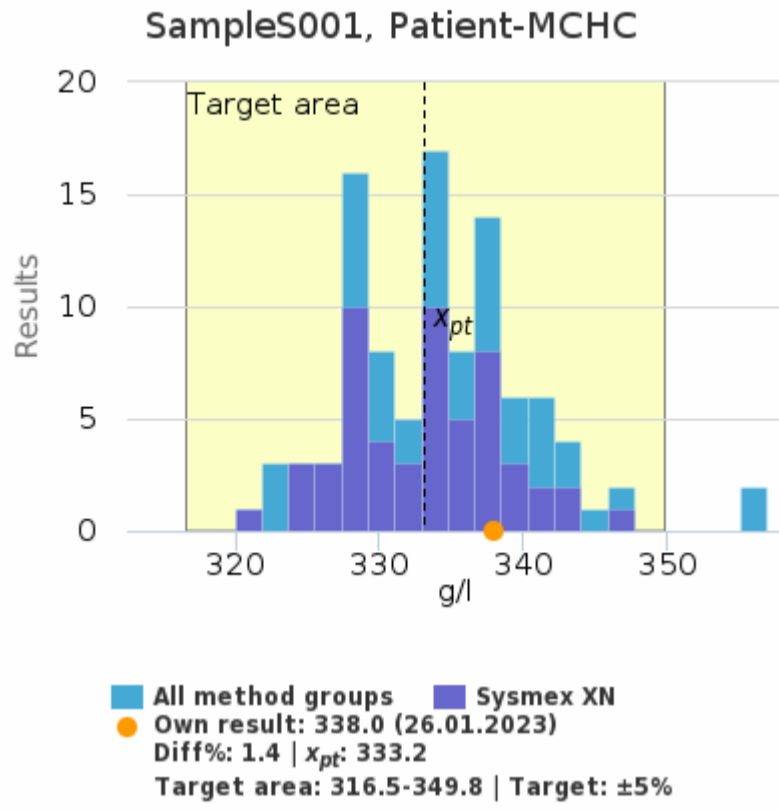
Patient-MCH | Sysmex XN Right



	x_{pt}	sd	SEM	CV%	n
Sysmex XN	30.0 pg	0.4	<0.1	1.3	56
All methods	30.2 pg	0.6	<0.1	2.0	125

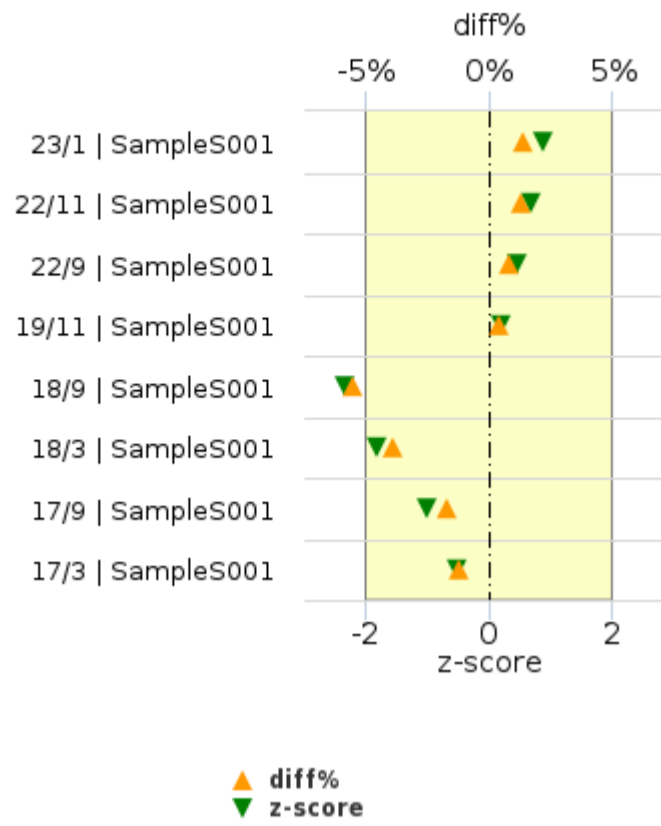
Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S001	30.0	30.0	-0.1%	-0.09
22/11	Sample S001	30.1	30.0	-0.4%	-0.29
22/9	Sample S001	30.2	30.0	-0.5%	-0.31
19/11	Sample S001	30.0	30.4	1.2%	0.83
18/9	Sample S001	29.7	28.7	-3.5%	-2.18
18/3	Sample S001	29.7	29.1	-2.0%	-0.96
17/9	Sample S001	29.8	28.9	-3.1%	-1.94
17/3	Sample S001	29.8	29.7	-0.5%	-0.33

Patient-MCHC | Sysmex XN Right



	x_{pt}	sd	SEM	CV%	n
Sysmex XN	333.2 g/l	5.5	0.7	1.6	55
All methods	333.8 g/l	5.7	0.6	1.7	99

History



Round	Sample	x_{pt}	Result	diff%	z-score
23/1	Sample S001	333.2	338.0	1.4%	0.88
22/11	Sample S001	333.6	338.0	1.3%	0.68
22/9	Sample S001	335.2	338.0	0.8%	0.44
19/11	Sample S001	331.4	332.7	0.4%	0.18
18/9	Sample S001	336.1	317.8	-5.5%	-2.33
18/3	Sample S001	334.3	321.4	-3.9%	-1.83
17/9	Sample S001	335.5	329.7	-1.7%	-1.01
17/3	Sample S001	335.4	331.3	-1.2%	-0.53

Report info**Participants**

163 participants from 14 countries.

Report info

Your own result should be compared to others using the same method.

Assigned values (\bar{x}_p , target values) are means of the results where results deviating more than ± 3 standard deviation from the median are removed. The standard uncertainty (u) of

the assigned value is reported as standard error of the mean (SEM). Additionally, if the measurement uncertainty of the target value is large an automatic text is printed on the report: "The uncertainty of the assigned value is not negligible, and evaluations could be affected."

In case the client's result is the only one in the method group, no assigned value will be calculated, no target area shown, and no statistics calculated. In case there are only a few results in the client's own method group, the result can be compared to all method mean or to a group that is similar to the own method.

Results reported with $<$ or $>$ -signs cannot be included in the statistics.

For information on report interpretation and performance evaluation, please see the "EOAS Interpretation guidelines" LabScala User instructions (top right corner ?Help link).

Sample S001 | B -Leuk, x10E9/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	8.9	9.0	0.3	3.3	<0.1	8.3	9.2	-	9
Cell-Dyn Emerald	8.8	8.8	0.2	2.4	0.2	8.6	8.9	-	2
Celltac MEK	8.9	8.9	<0.1	0.2	<0.1	8.9	8.9	-	2
Coulter DxH	8.9	8.9	0.4	4.0	0.3	8.6	9.1	-	2
Coulter DxH500	-	-	-	-	-	9.1	9.1	-	1
Microsemi CRP	8.6	8.6	0.2	2.3	<0.1	8.2	9.0	1	42
Mindray	9.3	9.1	0.4	4.1	0.2	9.1	9.8	-	3
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	8.7	8.7	-	1
Swelab	9.3	9.3	0.6	6.1	0.4	8.9	9.7	-	2
Sysmex K, M, KX.21, XP-300,XQ	8.9	8.9	0.3	3.0	<0.1	8.4	9.7	1	28
Sysmex pOCH 100i	8.6	8.7	0.1	1.6	<0.1	8.4	8.8	-	8
Sysmex XE, XS, XT	9.1	9.2	0.2	2.0	<0.1	8.8	9.4	-	11
Sysmex XN	8.9	8.9	0.2	2.6	<0.1	7.4	9.2	3	83
Sysmex XN-L	9.1	9.1	0.2	1.7	<0.1	8.8	9.4	1	27
Yumizen H2500/H1500	-	-	-	-	-	9.2	9.2	-	1
Yumizen H500/H550	8.0	8.0	1.2	15.1	0.9	7.2	8.9	-	2
All	8.9	8.9	0.3	3.1	<0.1	8.2	10.0	5	224

Sample S001 | B -Leuk, x10E9/l | histogram summaries in LabScala

Sample S001 | B -Eryt, x10E12/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	4.55	4.56	0.10	2.2	0.03	4.39	4.69	-	9
Cell-Dyn Emerald	4.67	4.67	0.22	4.7	0.16	4.51	4.82	-	2
Celltac MEK	4.55	4.55	0.07	1.6	0.05	4.50	4.60	-	2
Coulter DxH	4.46	4.46	0.08	1.7	0.06	4.40	4.51	-	2
Coulter DxH500	-	-	-	-	-	4.43	4.43	-	1
Microsemi CRP	4.47	4.46	0.08	1.9	0.01	4.27	4.65	-	42
Mindray	4.55	4.54	0.04	0.9	0.02	4.51	4.59	-	3
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	4.29	4.29	-	1
Swelab	4.62	4.62	0.04	0.9	0.03	4.59	4.65	-	2
Sysmex K, M, KX.21, XP-300,XQ	4.53	4.51	0.10	2.3	0.02	4.35	4.79	-	28
Sysmex pOCH 100i	4.64	4.64	0.05	1.1	0.02	4.54	4.70	-	8
Sysmex XE, XS, XT	4.56	4.58	0.06	1.3	0.02	4.46	4.66	-	11
Sysmex XN	4.61	4.61	0.06	1.4	<0.01	4.45	4.76	-	83
Sysmex XN-L	4.57	4.57	0.05	1.2	0.01	4.49	4.73	1	27
Yumizen H2500/H1500	-	-	-	-	-	4.57	4.57	-	1
Yumizen H500/H550	4.36	4.36	0.30	6.8	0.21	4.15	4.57	-	2
All	4.56	4.57	0.09	2.1	<0.01	4.29	4.82	2	224

Sample S001 | B -Eryt, x10E12/l| histogram summaries in LabScala

Sample S001 | B -HGB, g/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	133	134	2	1.5	<1	130	136	-	9
Cell-Dyn Emerald	135	135	6	4.7	5	130	139	-	2
Celltac MEK	137	137	<1	0.3	<1	137	137	-	2
Coulter DxH	129	129	<1	0.6	<1	128	129	-	2
Coulter DxH500	-	-	-	-	-	121	121	-	1
Microsemi CRP	134	134	2	1.3	<1	131	139	-	42
Mindray	136	136	2	1.1	<1	135	138	-	3
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	131	131	-	1
Swelab	130	130	7	5.4	5	125	135	-	2
Sysmex K, M, KX.21, XP-300,XQ	132	132	2	1.4	<1	128	137	-	28
Sysmex pOCH 100i	135	135	2	1.1	<1	132	137	-	8
Sysmex XE, XS, XT	134	134	2	1.2	<1	132	137	-	11
Sysmex XN	135	135	1	1.0	<1	132	139	-	83
Sysmex XN-L	133	133	1	1.1	<1	131	137	-	26
Yumizen H2500/H1500	-	-	-	-	-	134	134	-	1
Yumizen H500/H550	-	-	-	-	-	132	132	-	1
All	134	134	2	1.4	<1	128	139	2	222

Sample S001 | B -HGB, g/l| histogram summaries in LabScala

Sample S001 | B -HCT, %

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	37.4	37.9	1.1	2.9	0.4	35.7	38.6	-	9
Cell-Dyn Emerald	40.4	40.4	0.8	2.1	0.6	39.8	41.0	-	2
Celltac MEK	44.6	44.6	<0.1	0.2	<0.1	44.5	44.6	-	2
Coulter DxH	38.7	38.7	0.6	1.6	0.5	38.2	39.1	-	2
Coulter DxH500	-	-	-	-	-	37.2	37.2	-	1
Microsemi CRP	36.8	36.9	0.8	2.2	0.1	35.0	38.5	-	41
Mindray	40.2	39.9	1.5	3.7	0.9	38.9	41.8	-	3
Swelab	37.6	37.6	0.8	2.1	0.6	37.0	38.1	-	2
Sysmex K, M, KX.21, XP-300,XQ	35.9	36.0	0.6	1.6	0.1	34.9	37.0	1	25
Sysmex pOCH 100i	38.0	38.0	0.4	1.0	0.1	37.5	38.6	-	8
Sysmex XE, XS, XT	37.3	37.2	0.5	1.2	0.2	36.8	38.0	-	9
Sysmex XN	37.7	37.7	0.7	1.8	<0.1	36.1	39.4	-	83
Sysmex XN-L	37.5	37.6	0.7	1.9	0.1	35.8	38.8	-	27
Yumizen H2500/H1500	-	-	-	-	-	38.3	38.3	-	1
Yumizen H500/H550	38.0	38.0	0.1	0.4	0.1	37.9	38.1	-	2
All	37.3	37.4	1.0	2.7	<0.1	34.9	41.0	3	217

Sample S001 | B -HCT, %| histogram summaries in LabScala

Sample S001 | E -MCV, fl

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	82.5	83.2	2.1	2.5	0.7	80.0	86.4	-	9
Cell-Dyn Emerald	86.7	86.7	2.3	2.7	1.7	85.0	88.3	-	2
Celltac MEK	97.4	97.4	1.2	1.2	0.9	96.5	98.2	-	2
Coulter DxH	86.8	86.8	0.1	0.2	0.1	86.7	86.9	-	2
Coulter DxH500	-	-	-	-	-	84.0	84.0	-	1
Microsemi CRP	82.5	82.5	1.2	1.5	0.2	79.2	84.9	-	41
Mindray	88.4	88.4	3.7	4.1	2.1	84.7	92.0	-	3
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	75.4	75.4	-	1
Swelab	82.0	82.0	1.3	1.6	1.0	81.0	82.9	-	2
Sysmex K, M, KX.21, XP-300,XQ	79.5	79.6	0.9	1.1	0.2	77.4	81.0	-	28
Sysmex pOCH 100i	82.0	81.9	0.7	0.9	0.3	81.0	83.2	-	8
Sysmex XE, XS, XT	82.0	82.1	1.1	1.4	0.3	80.2	83.9	-	12
Sysmex XN	81.6	81.5	1.0	1.3	0.1	79.7	84.2	-	83
Sysmex XN-L	81.9	81.9	1.2	1.5	0.2	79.5	84.2	-	27
Yumizen H2500/H1500	-	-	-	-	-	83.9	83.9	-	1
Yumizen H500/H550	87.8	87.8	5.3	6.0	3.8	84.0	91.5	-	2
All	81.8	81.6	1.7	2.1	0.1	75.4	88.4	4	224

Sample S001 | E -MCV, fl| histogram summaries in LabScala

Sample S001 | E -MCH, pg

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	29.4	29.4	0.6	2.2	0.2	28.4	30.3	-	9
Cell-Dyn Emerald	28.9	28.9	0.1	0.5	0.1	28.8	29.0	-	2
Celltac MEK	30.1	30.1	<0.1	0.2	<0.1	30.0	30.1	-	2
Coulter DxH	28.9	28.9	0.6	2.0	0.4	28.5	29.3	-	2
Coulter DxH500	-	-	-	-	-	26.5	26.5	-	1
Microsemi CRP	30.0	30.1	0.5	1.7	<0.1	29.0	30.9	-	41
Mindray	30.0	29.7	0.6	1.8	0.3	29.6	30.6	-	3
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	30.6	30.6	-	1
Swelab	28.1	28.1	1.3	4.5	0.9	27.2	29.0	-	2
Sysmex K, M, KX.21, XP-300,XQ	29.2	29.2	0.7	2.3	0.1	27.8	30.3	-	28
Sysmex pOCH 100i	29.1	29.2	0.3	1.2	0.1	28.6	29.5	-	8
Sysmex XE, XS, XT	29.4	29.4	0.3	1.1	<0.1	28.7	29.8	-	11
Sysmex XN	29.2	29.2	0.4	1.4	<0.1	28.2	30.4	-	83
Sysmex XN-L	29.2	29.2	0.2	0.9	<0.1	28.8	29.8	1	27
Yumizen H2500/H1500	-	-	-	-	-	29.2	29.2	-	1
Yumizen H500/H550	-	-	-	-	-	28.9	28.9	-	1
All	29.4	29.3	0.6	1.9	<0.1	27.8	30.9	2	222

Sample S001 | E -MCH, pg| histogram summaries in LabScala

Sample S001 | E -MCHC, g/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	356.1	357.0	7.5	2.1	2.5	346.0	367.0	-	9
Cell-Dyn Emerald	333.0	333.0	8.5	2.5	6.0	327.0	339.0	-	2
Celltac MEK	308.0	308.0	2.8	0.9	2.0	306.0	310.0	-	2
Coulter DxH	332.5	332.5	6.4	1.9	4.5	328.0	337.0	-	2
Coulter DxH500	-	-	-	-	-	316.0	316.0	-	1
Microsemi CRP	363.4	363.5	8.6	2.4	1.4	341.0	389.0	-	40
Mindray	339.0	346.0	14.8	4.4	8.5	322.0	349.0	-	3
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	405.0	405.0	-	1
Swelab	344.0	344.0	22.6	6.6	16.0	328.0	360.0	-	2
Sysmex K, M, KX.21, XP-300,XQ	367.1	367.5	8.8	2.4	1.7	345.0	386.0	-	28
Sysmex pOCH 100i	354.3	355.0	4.1	1.2	1.5	347.0	360.0	-	8
Sysmex XE, XS, XT	359.4	359.0	4.4	1.2	1.3	354.0	365.0	-	11
Sysmex XN	357.7	358.0	6.0	1.7	0.7	345.0	368.7	1	83
Sysmex XN-L	356.0	355.0	5.8	1.6	1.1	345.0	369.0	-	27
Yumizen H2500/H1500	-	-	-	-	-	348.0	348.0	-	1
Yumizen H500/H550	382.0	382.0	49.5	13.0	35.0	347.0	417.0	-	2
All	358.8	359.0	9.0	2.5	0.6	327.0	389.0	6	222

Sample S001 | E -MCHC, g/l| histogram summaries in LabScala

Sample S001 | B -PLT, x10E9/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	242	239	11	4.7	4	231	267	-	9
Cell-Dyn Emerald	259	259	47	18.3	34	225	292	-	2
Celltac MEK	254	254	9	3.6	7	247	260	-	2
Coulter DxH	253	253	7	2.8	5	248	258	-	2
Coulter DxH500	-	-	-	-	-	260	260	-	1
Microsemi CRP	248	246	13	5.3	2	222	274	-	41
Mindray	253	255	11	4.2	6	242	263	-	3
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	266	266	-	1
Swelab	241	241	13	5.3	9	232	250	-	2
Sysmex K, M, KX.21, XP-300,XQ	256	257	13	4.9	2	220	279	-	28
Sysmex pOCH 100i	251	249	8	3.4	3	244	270	-	8
Sysmex XE, XS, XT	248	246	11	4.6	3	226	268	-	11
Sysmex XN	250	251	7	2.8	<1	226	273	2	83
Sysmex XN-L	250	250	8	3.3	2	230	266	1	27
Yumizen H2500/H1500	-	-	-	-	-	236	236	-	1
Yumizen H500/H550	-	-	-	-	-	238	238	-	1
All	250	250	11	4.3	<1	219	279	2	222

Sample S001 | B -PLT, x10E9/l| histogram summaries in LabScala

Sample S001 | RDW -SD, fl

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	-	-	-	-	-	39.0	39.0	-	1
Coulter DxH	47.3	47.3	<0.1	<0.1	<0.1	47.3	47.3	-	2
Coulter DxH500	-	-	-	-	-	44.4	44.4	-	1
Mindray	45.1	44.3	3.5	7.8	2.0	42.1	49.0	-	3
Sysmex K, M, KX.21, XP-300,XQ	33.6	33.9	1.9	5.6	0.4	28.0	35.8	1	21
Sysmex pOCH 100i	41.0	41.1	0.7	1.6	0.3	40.0	41.8	-	5
Sysmex XE, XS, XT	40.7	40.9	0.8	1.9	0.2	39.3	41.6	-	11
Sysmex XN	39.3	39.1	1.3	3.4	0.2	37.5	43.0	-	67
Sysmex XN-L	39.4	39.3	0.8	2.0	0.2	38.2	42.2	1	26
All	39.0	39.1	2.7	6.9	0.2	30.6	47.3	3	137

Sample S001 | RDW -SD, fl| histogram summaries in LabScala

Sample S001 | RDW -CV, %

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	13.0	12.4	1.1	8.4	0.4	12.0	15.2	-	9
Cell-Dyn Emerald	13.8	13.8	1.1	8.2	0.8	13.0	14.6	-	2
Coulter DxH	14.6	14.6	0.1	1.0	0.1	14.5	14.7	-	2
Coulter DxH500	-	-	-	-	-	13.3	13.3	-	1
Microsemi CRP	12.9	13.0	0.6	4.8	0.1	11.7	14.3	1	38
Mindray	14.0	13.8	0.6	4.2	0.3	13.6	14.7	-	3
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	14.2	14.2	-	1
Swelab	-	-	-	-	-	11.7	11.7	-	1
Sysmex K, M, KX.21, XP-300,XQ	9.9	10.0	0.5	5.2	0.1	9.0	11.0	-	21
Sysmex pOCH 100i	14.1	14.1	0.3	1.8	0.1	13.9	14.6	-	6
Sysmex XE, XS, XT	14.2	14.2	0.2	1.2	<0.1	14.0	14.5	-	11
Sysmex XN	13.4	13.4	0.3	2.1	<0.1	13.1	14.4	3	78
Sysmex XN-L	13.2	13.1	0.3	1.9	<0.1	13.0	14.1	1	27
Yumizen H2500/H1500	-	-	-	-	-	14.7	14.7	-	1
Yumizen H500/H550	14.4	14.4	2.3	15.7	1.6	12.8	16.0	-	2
All	13.2	13.3	1.1	8.2	<0.1	9.9	16.2	6	203

Sample S001 | RDW -CV, %| histogram summaries in LabScala

Sample S001 | Patient-MCV, fl

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	90.4	89.8	2.5	2.8	1.0	87.8	94.0	-	7
Coulter DxH	87.8	87.8	0.6	0.7	0.5	87.3	88.2	-	2
Coulter DxH500	-	-	-	-	-	90.0	90.0	-	1
Microsemi CRP	90.0	90.1	1.4	1.5	0.3	87.4	92.8	-	27
Mindray	86.5	86.5	6.9	8.0	4.9	81.6	91.4	-	2
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	90.1	90.1	-	1
Sysmex K, M, KX.21, XP-300,XQ	85.6	85.6	8.9	10.4	6.3	79.3	91.9	-	2
Sysmex XE, XS, XT	89.4	90.5	2.9	3.3	1.2	83.5	91.2	-	6
Sysmex XN	90.1	90.1	1.2	1.4	0.2	86.7	92.3	1	56
Sysmex XN-L	90.4	90.7	1.2	1.4	0.3	87.3	92.4	1	20
Yumizen H500/H550	-	-	-	-	-	93.0	93.0	-	1
All	90.1	90.2	1.4	1.6	0.1	85.4	94.0	4	125

Sample S001 | Patient-MCV, fl| histogram summaries in LabScala

Sample S001 | Patient-MCH, pg

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	30.6	30.4	0.5	1.5	0.2	30.1	31.1	-	7
Coulter DxH	29.2	29.2	0.4	1.5	0.3	28.9	29.5	-	2
Coulter DxH500	-	-	-	-	-	32.0	32.0	-	1
Microsemi CRP	30.5	30.6	0.6	2.1	0.1	28.9	32.0	-	27
Mindray	28.5	28.5	3.3	11.7	2.4	26.1	30.8	-	2
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	29.9	29.9	-	1
Sysmex K, M, KX.21, XP-300,XQ	29.1	29.1	0.9	3.2	0.7	28.4	29.7	-	2
Sysmex XE, XS, XT	30.1	30.0	0.3	1.0	0.1	29.9	30.5	-	6
Sysmex XN	30.0	30.0	0.4	1.3	<0.1	29.0	30.9	1	56
Sysmex XN-L	30.1	30.4	0.6	2.1	0.1	28.6	30.7	-	20
Yumizen H500/H550	-	-	-	-	-	31.1	31.1	-	1
All	30.2	30.2	0.6	2.0	<0.1	28.4	32.0	1	125

Sample S001 | Patient-MCH, pg| histogram summaries in LabScala

Sample S001 | Patient-MCHC, g/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	339.1	340.7	6.2	1.8	3.1	331.0	344.0	-	4
Coulter DxH	331.5	331.5	2.1	0.6	1.5	330.0	333.0	-	2
Coulter DxH500	-	-	-	-	-	356.0	356.0	-	1
Microsemi CRP	336.2	337.0	7.3	2.2	2.4	323.0	347.0	-	9
Mindray	329.0	329.0	9.9	3.0	7.0	322.0	336.0	-	2
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	329.0	329.0	-	1
Sysmex K, M, KX.21, XP-300,XQ	349.5	349.5	10.6	3.0	7.5	342.0	357.0	-	2
Sysmex XE, XS, XT	331.3	332.0	7.4	2.2	3.7	322.0	339.0	-	4
Sysmex XN	333.2	333.0	5.5	1.6	0.7	320.0	347.2	-	55
Sysmex XN-L	334.6	334.0	4.7	1.4	1.1	328.0	345.0	-	18
Yumizen H500/H550	-	-	-	-	-	334.0	334.0	-	1
All	333.8	334.0	5.7	1.7	0.6	320.0	347.2	2	99

Sample S001 | Patient-MCHC, g/l| histogram summaries in LabScala

Sample S002 | B -Leuk, x10E9/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	16.4	16.6	0.7	4.4	0.4	15.4	16.9	-	4
Cell-Dyn Emerald	-	-	-	-	-	16.0	16.0	-	1
Celltac MEK	16.3	16.3	0.3	1.6	0.2	16.2	16.5	-	2
Coulter DxH	16.0	16.0	0.4	2.7	0.3	15.7	16.3	-	2
Microsemi CRP	15.9	15.9	0.3	2.0	<0.1	15.2	16.8	-	40
Mindray	-	-	-	-	-	16.9	16.9	-	1
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	16.1	16.1	-	1
Swelab	17.3	17.3	1.5	8.6	1.1	16.2	18.3	-	2
Sysmex K, M, KX.21, XP-300,XQ	16.4	16.6	0.5	3.0	0.2	15.7	17.0	-	5
Sysmex pOCH 100i	16.1	16.1	0.2	1.2	<0.1	15.8	16.2	-	4
Sysmex XE, XS, XT	16.8	16.9	0.6	3.5	0.2	15.7	17.5	-	7
Sysmex XN	16.3	16.3	0.3	1.7	<0.1	15.5	16.8	1	61
Sysmex XN-L	16.6	16.9	0.8	4.6	0.2	14.8	17.7	-	13
Yumizen H2500/H1500	-	-	-	-	-	16.9	16.9	-	1
All	16.2	16.2	0.5	2.9	<0.1	14.8	17.7	1	144

Sample S002 | B -Leuk, x10E9/l| histogram summaries in LabScala

Sample S002 | B -Eryt, x10E12/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	5.64	5.58	0.17	3.1	0.09	5.52	5.90	-	4
Cell-Dyn Emerald	-	-	-	-	-	5.57	5.57	-	1
Celltac MEK	5.75	5.75	0.07	1.2	0.05	5.70	5.80	-	2
Coulter DxH	5.56	5.56	0.08	1.5	0.06	5.50	5.62	-	2
Microsemi CRP	5.55	5.54	0.10	1.8	0.02	5.27	5.76	-	40
Mindray	-	-	-	-	-	5.69	5.69	-	1
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	5.41	5.41	-	1
Swelab	5.72	5.72	0.11	2.0	0.08	5.64	5.80	-	2
Sysmex K, M, KX.21, XP-300,XQ	5.58	5.60	0.05	0.9	0.02	5.51	5.63	-	5
Sysmex pOCH 100i	5.72	5.74	0.13	2.3	0.06	5.55	5.86	-	4
Sysmex XE, XS, XT	5.70	5.72	0.07	1.2	0.03	5.55	5.75	-	7
Sysmex XN	5.73	5.73	0.08	1.3	<0.01	5.57	5.90	-	61
Sysmex XN-L	5.76	5.76	0.08	1.4	0.02	5.62	5.90	-	13
Yumizen H2500/H1500	-	-	-	-	-	5.72	5.72	-	1
All	5.67	5.69	0.12	2.0	<0.01	5.40	5.90	2	144

Sample S002 | B -Eryt, x10E12/l| histogram summaries in LabScala

Sample S002 | B -HGB, g/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	171	171	<1	0.3	<1	171	172	-	4
Cell-Dyn Emerald	-	-	-	-	-	169	169	-	1
Celltac MEK	178	178	<1	0.5	<1	178	179	-	2
Coulter DxH	168	168	3	1.7	2	166	170	-	2
Microsemi CRP	171	171	2	1.1	<1	167	177	1	40
Mindray	-	-	-	-	-	177	177	-	1
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	172	172	-	1
Swelab	167	167	6	3.4	4	163	171	-	2
Sysmex K, M, KX.21, XP-300,XQ	172	172	4	2.2	2	166	176	-	5
Sysmex pOCH 100i	174	174	<1	0.3	<1	173	174	-	4
Sysmex XE, XS, XT	173	175	3	1.8	1	167	176	-	7
Sysmex XN	174	174	2	1.0	<1	169	177	-	61
Sysmex XN-L	173	173	2	1.0	<1	171	177	-	13
Yumizen H2500/H1500	-	-	-	-	-	175	175	-	1
All	173	173	2	1.4	<1	166	179	2	144

Sample S002 | B -HGB, g/l| histogram summaries in LabScala

Sample S002 | B -HCT, %

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	48.3	48.3	1.3	2.6	0.6	46.8	49.9	-	4
Cell-Dyn Emerald	-	-	-	-	-	51.3	51.3	-	1
Celltac MEK	59.1	59.1	0.1	0.2	0.1	59.0	59.2	-	2
Coulter DxH	50.1	50.1	0.7	1.4	0.5	49.6	50.6	-	2
Microsemi CRP	47.9	47.9	1.1	2.4	0.2	45.3	50.0	-	39
Mindray	-	-	-	-	-	55.1	55.1	-	1
Swelab	49.9	49.9	1.2	2.4	0.9	49.0	50.7	-	2
Sysmex K, M, KX.21, XP-300,XQ	45.6	45.5	0.6	1.3	0.3	45.0	46.3	-	4
Sysmex pOCH 100i	48.7	48.9	0.9	1.9	0.5	47.3	49.5	-	4
Sysmex XE, XS, XT	46.8	48.2	4.1	8.8	1.6	37.6	49.3	-	7
Sysmex XN	48.8	48.7	0.9	1.8	0.1	47.3	51.0	-	61
Sysmex XN-L	49.2	49.3	0.8	1.7	0.2	47.4	50.4	-	13
Yumizen H2500/H1500	-	-	-	-	-	49.8	49.8	-	1
All	48.5	48.5	1.2	2.5	0.1	45.0	51.3	4	141

Sample S002 | B -HCT, %| histogram summaries in LabScala

Sample S002 | E -MCV, fl

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	85.6	85.1	3.6	4.2	1.8	82.0	90.3	-	4
Cell-Dyn Emerald	-	-	-	-	-	92.1	92.1	-	1
Celltac MEK	103.0	103.0	0.2	0.2	0.2	102.8	103.1	-	2
Coulter DxH	90.1	90.1	0.1	0.2	0.1	90.0	90.2	-	2
Microsemi CRP	86.2	86.2	1.3	1.5	0.2	82.8	89.4	-	39
Mindray	-	-	-	-	-	96.9	96.9	-	1
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	78.8	78.8	-	1
Swelab	87.2	87.2	0.2	0.2	0.2	87.0	87.3	-	2
Sysmex K, M, KX.21, XP-300,XQ	81.8	82.0	1.0	1.2	0.4	80.3	82.7	-	5
Sysmex pOCH 100i	85.0	85.1	0.4	0.5	0.2	84.5	85.5	-	4
Sysmex XE, XS, XT	84.5	84.5	1.1	1.3	0.4	82.6	86.0	-	7
Sysmex XN	85.2	85.1	1.0	1.2	0.1	83.2	87.7	-	61
Sysmex XN-L	85.4	85.1	1.3	1.5	0.3	83.7	87.9	-	13
Yumizen H2500/H1500	-	-	-	-	-	87.0	87.0	-	1
All	85.5	85.4	1.8	2.1	0.1	78.8	92.1	3	143

Sample S002 | E -MCV, fl| histogram summaries in LabScala

Sample S002 | E -MCH, pg

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	30.4	30.7	0.9	3.0	0.5	29.0	31.0	-	4
Cell-Dyn Emerald	-	-	-	-	-	30.3	30.3	-	1
Celltac MEK	31.0	31.0	0.1	0.5	0.1	30.9	31.1	-	2
Coulter DxH	30.3	30.3	0.9	3.0	0.7	29.6	30.9	-	2
Microsemi CRP	30.8	30.9	0.6	1.9	<0.1	29.4	32.3	-	39
Mindray	-	-	-	-	-	31.2	31.2	-	1
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	31.9	31.9	-	1
Swelab	29.0	29.0	1.4	4.9	1.0	28.0	30.0	-	2
Sysmex K, M, KX.21, XP-300,XQ	30.9	30.7	0.9	2.8	0.4	29.9	32.0	-	5
Sysmex pOCH 100i	30.4	30.2	0.7	2.4	0.4	29.7	31.4	-	4
Sysmex XE, XS, XT	30.4	30.4	0.3	0.8	<0.1	30.1	30.8	-	7
Sysmex XN	30.3	30.4	0.4	1.2	<0.1	29.5	31.0	-	61
Sysmex XN-L	30.1	30.2	0.4	1.4	0.1	29.0	30.8	-	13
Yumizen H2500/H1500	-	-	-	-	-	30.5	30.5	-	1
All	30.5	30.5	0.6	1.9	<0.1	29.0	32.3	1	143

Sample S002 | E -MCH, pg| histogram summaries in LabScala

Sample S002 | E -MCHC, g/l

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	355.0	356.0	9.2	2.6	4.6	343.0	365.0	-	4
Cell-Dyn Emerald	-	-	-	-	-	329.0	329.0	-	1
Celltac MEK	301.5	301.5	2.1	0.7	1.5	300.0	303.0	-	2
Coulter DxH	335.5	335.5	9.2	2.7	6.5	329.0	342.0	-	2
Microsemi CRP	358.8	359.0	8.6	2.4	1.4	343.0	380.0	1	38
Mindray	-	-	-	-	-	322.0	322.0	-	1
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	405.0	405.0	-	1
Swelab	335.0	335.0	19.8	5.9	14.0	321.0	349.0	-	2
Sysmex K, M, KX.21, XP-300,XQ	375.8	376.0	9.8	2.6	4.4	362.0	386.0	-	5
Sysmex pOCH 100i	357.5	355.0	7.2	2.0	3.6	352.0	368.0	-	4
Sysmex XE, XS, XT	359.9	360.0	4.4	1.2	1.7	354.0	365.0	-	7
Sysmex XN	355.9	357.0	5.9	1.6	0.8	341.0	367.0	-	61
Sysmex XN-L	351.9	351.0	5.4	1.5	1.5	343.0	363.0	-	13
Yumizen H2500/H1500	-	-	-	-	-	351.0	351.0	-	1
All	356.0	357.0	9.9	2.8	0.8	321.0	386.0	3	142

Sample S002 | E -MCHC, g/l| histogram summaries in LabScala

Sample S002 | B -PLT, x109E/l

Methodics	<i>x_{pt}</i>	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	392	389	16	4.1	8	377	414	-	4
Cell-Dyn Emerald	-	-	-	-	-	373	373	-	1
Celltac MEK	414	414	5	1.2	4	410	417	-	2
Coulter DxH	423	423	6	1.5	5	418	427	-	2
Microsemi CRP	382	385	16	4.2	3	352	409	1	40
Mindray	-	-	-	-	-	428	428	-	1
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	416	416	-	1
Swelab	386	386	11	2.8	8	378	393	-	2
Sysmex K, M, KX.21, XP-300,XQ	439	440	22	4.9	10	416	473	-	5
Sysmex pOCH 100i	412	412	15	3.6	7	396	428	-	4
Sysmex XE, XS, XT	405	409	17	4.2	6	371	425	-	7
Sysmex XN	415	415	14	3.4	2	374	445	1	60
Sysmex XN-L	409	415	21	5.2	6	357	437	-	13
Yumizen H2500/H1500	-	-	-	-	-	415	415	-	1
All	404	408	22	5.5	2	352	473	1	143

Sample S002 | B -PLT, x109E/l| histogram summaries in LabScala

Sample S002 | RDW -SD, fl

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
Coulter DxH	47.7	47.7	1.3	2.7	0.9	46.8	48.6	-	2
Mindray	-	-	-	-	-	50.3	50.3	-	1
Sysmex K, M, KX.21, XP-300,XQ	32.8	33.1	0.6	1.7	0.3	32.2	33.2	-	3
Sysmex pOCH 100i	42.8	42.8	1.2	2.8	0.9	41.9	43.6	-	2
Sysmex XE, XS, XT	42.0	42.3	1.1	2.6	0.4	39.8	43.0	-	7
Sysmex XN	40.5	40.3	1.2	3.0	0.2	38.7	43.7	1	51
Sysmex XN-L	40.6	40.1	1.7	4.3	0.5	39.2	44.4	-	12
All	40.6	40.3	2.4	5.8	0.3	32.2	48.6	2	78

Sample S002 | RDW -SD, fl| histogram summaries in LabScala

Sample S002 | RDW -CV, %

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	12.4	11.9	1.4	11.3	0.7	11.5	14.5	-	4
Cell-Dyn Emerald	-	-	-	-	-	12.4	12.4	-	1
Coulter DxH	14.2	14.2	0.1	1.0	0.1	14.1	14.3	-	2
Microsemi CRP	12.4	12.4	0.6	4.6	<0.1	11.1	13.6	-	38
Mindray	-	-	-	-	-	14.4	14.4	-	1
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	14.1	14.1	-	1
Swelab	-	-	-	-	-	12.0	12.0	-	1
Sysmex K, M, KX.21, XP-300,XQ	9.2	9.2	0.4	4.6	0.3	8.9	9.5	-	2
Sysmex pOCH 100i	14.4	14.4	0.4	2.5	0.3	14.1	14.6	-	2
Sysmex XE, XS, XT	14.4	14.2	0.4	2.7	0.1	14.0	14.9	-	7
Sysmex XN	13.3	13.2	0.3	2.0	<0.1	13.0	14.2	3	56
Sysmex XN-L	13.4	13.3	0.5	4.0	0.2	12.9	14.8	-	12
Yumizen H2500/H1500	-	-	-	-	-	14.5	14.5	-	1
All	13.1	13.2	0.8	6.0	<0.1	11.1	14.9	2	128

Sample S002 | RDW -CV, %| histogram summaries in LabScala

Report info**Participants**

163 participants from 14 countries.

Report info

Your own result should be compared to others using the same method.

Assigned values (\bar{x}_p , target values) are means of the results where results deviating more than ± 3 standard deviation from the median are removed. The standard uncertainty (u) of

the assigned value is reported as standard error of the mean (SEM). Additionally, if the measurement uncertainty of the target value is large an automatic text is printed on the report: "The uncertainty of the assigned value is not negligible, and evaluations could be affected."

In case the client's result is the only one in the method group, no assigned value will be calculated, no target area shown, and no statistics calculated. In case there are only a few results in the client's own method group, the result can be compared to all method mean or to a group that is similar to the own method.

Results reported with $<$ or $>$ -signs cannot be included in the statistics.

For information on report interpretation and performance evaluation, please see the "EOAS Interpretation guidelines" LabScala User instructions (top right corner ?Help link).

External Quality Assessment Scheme

Basic Blood Count Round 1, 2023

Specimens

Sample S001 (LQ711223011) and sample S002 (LQ711223012) were human blood cell suspensions.

Based on the previous tests and the results of this round, the samples were homogeneous, stable and suitable for the external quality assessment scheme.

The materials were sent without temperature control packaging.

Report info

Please see the description of the data analysis on the last page of the laboratory-specific histograms and Numerical Summary reports. It is important to read the Final report first, because it contains important information of the samples and results in each round.

Comments – EQA Coordinator

Sample S001 was a normal level leucocyte sample and sample S002 was a high-level leucocyte sample. One customer had mixed up the samples. Results from this client and the results given in clearly wrong result units have been removed from the result processing. If your client report includes comments on a possible wrong result unit, please check next time you enter the results that the result is in correct unit. Before processing the samples, it is important to read the instruction letter that describes which way the samples should be analysed. Except for results given in wrong units the round went mainly well, and the results were consistent within the method groups.

End of report

2023-02-06

FINAL REPORT

Product no. 4100,4110

Samples sent	2023-01-16
Round closed	2023-02-02
Final report	2023-02-06

Request for correction

Typing errors in laboratory's result forms are on laboratory's responsibility. Labquality accepts responsibility only for result processing. Requests must be notified by writing within three weeks from the date of this letter.

Authorized by

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