

LABQUALITY

External Quality Assessment Scheme

Basic Blood Count Round 5, 2020

Specimens

Human blood cell suspension, each 3 mL. The laboratory will get one or two samples S001 and S002 according to the 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 HIVAgAb negative when tested with licensed reagents, 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

The samples should be analysed in the same way as patient EDTA blood. Please, analyse the sample on the arrival day. If this is not possible, store in a refrigerator (+2...+8°C) and analyse as soon as possible. Do not freeze. Allow the tube to stand at room temperature for about 15 minutes. Mix the sample by quickly inverting the tube several times, until the suspension appears homogeneous. Do not mix too vigorously. Don't use mechanical blood mixers.

Result reporting

Please enter the results via LabScala. If you can't 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 and given to one place of decimals. Means of the analyser database can also be used.

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

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

S001: LQ711220051



S002: LQ711220052



2020-05-04

INSTRUCTIONS

Product no. 4100, 4110
LQ711220051-52/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 **May 26, 2020.**

Inquiries

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www.labquality.fi



Basic Blood Count

Examinations

B -WBC

B -RBC

B -HGB

B -HCT

E -MCV

E -MCH

E -MCHC

B -PLT

E-RDW -SD

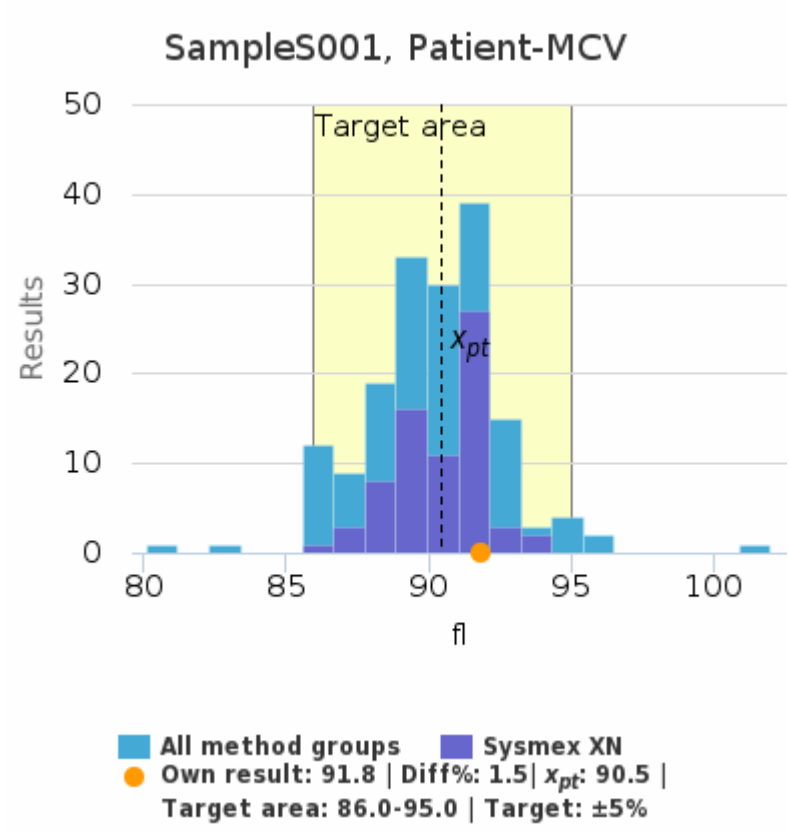
E-RDW -CV

E-Patient-MCV

E-Patient-MCH

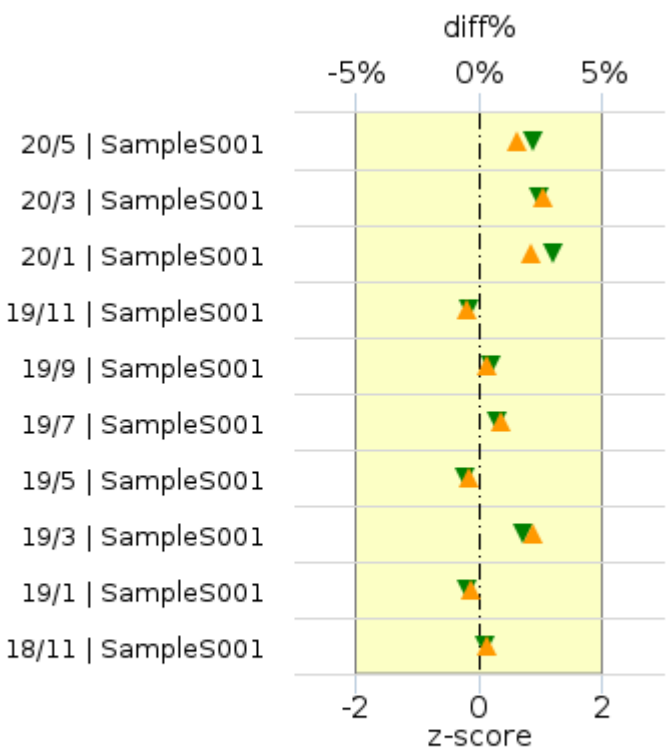
E-Patient-MCHC

Patient-MCV |060 XN-3



	x_{pt}	sd	SEM	CV%	n
Sysmex XN	90.5 fl	1.5	0.2	1.7	71
All methods	90.2 fl	2.1	0.2	2.4	169

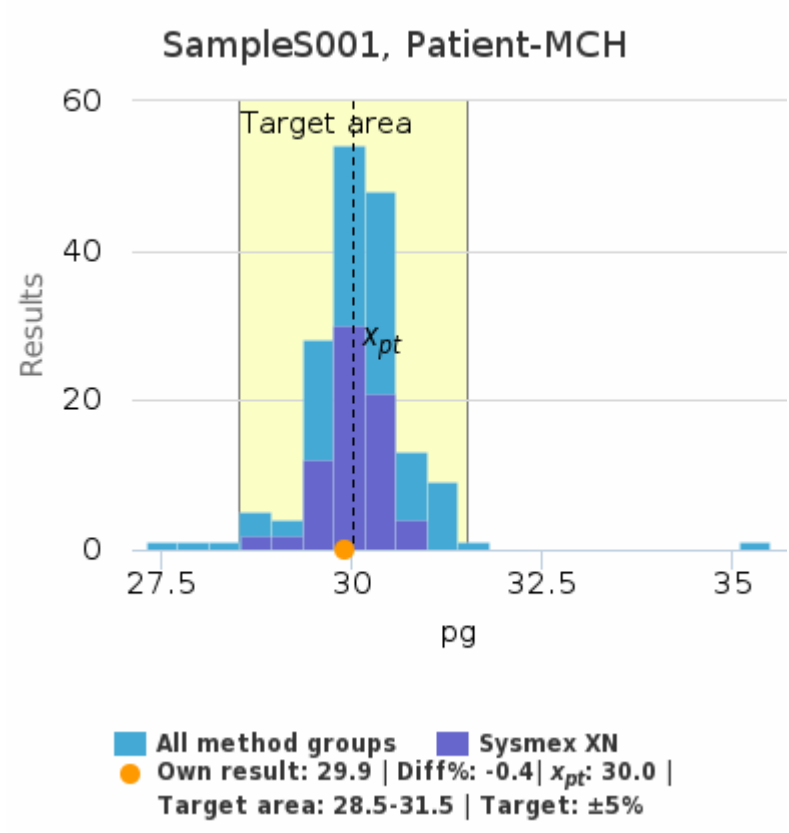
History



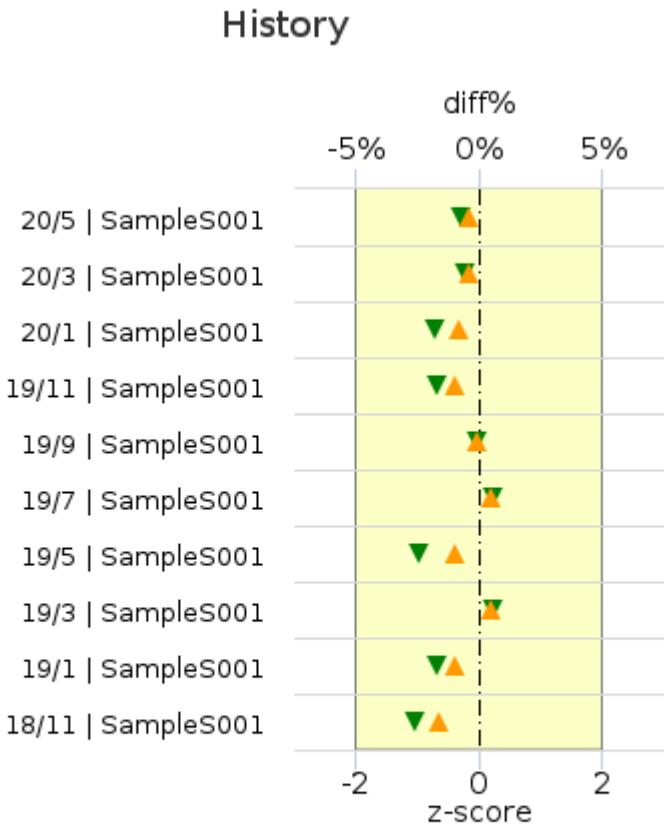
▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	90.5	91.8	1.5%	0.86
20/3	Sample S001	89.3	91.6	2.6%	0.97
20/1	Sample S001	90.1	92.0	2.1%	1.20
19/11	Sample S001	89.9	89.4	-0.5%	-0.17
19/9	Sample S001	89.4	89.7	0.3%	0.21
19/7	Sample S001	89.0	89.8	0.9%	0.30
19/5	Sample S001	90.4	90.0	-0.4%	-0.22
19/3	Sample S001	88.1	90.0	2.2%	0.70
19/1	Sample S001	90.2	90.0	-0.3%	-0.20
18/11	Sample S001	90.2	90.4	0.3%	0.11

Patient-MCH |060 XN-3

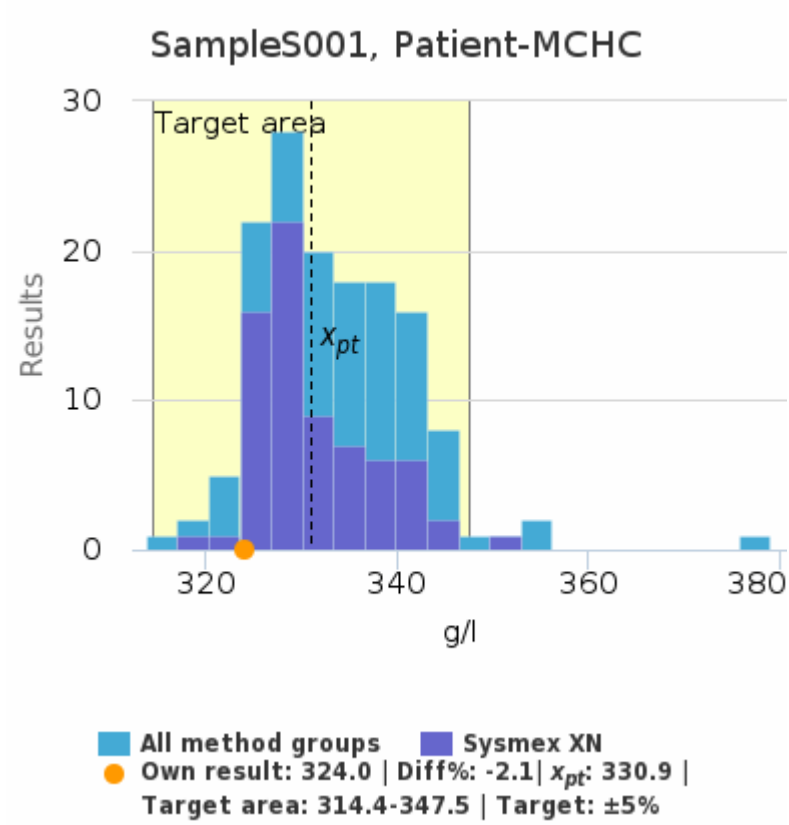


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	30.0 pg	0.4	<0.1	1.3	71
All methods	30.1 pg	0.5	<0.1	1.8	166

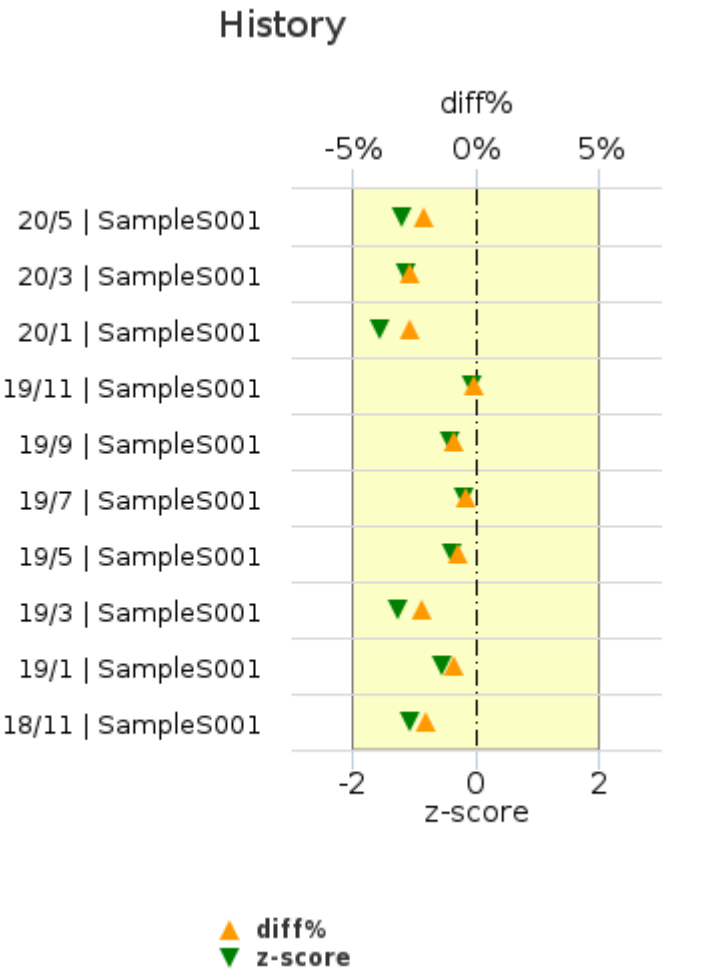


▲ diff% ▼ z-score					
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	30.0	29.9	-0.4%	-0.28
20/3	Sample S001	29.7	29.6	-0.4%	-0.22
20/1	Sample S001	30.0	29.7	-0.8%	-0.70
19/11	Sample S001	30.0	29.7	-1.0%	-0.67
19/9	Sample S001	29.8	29.8	-0.1%	-0.03
19/7	Sample S001	29.6	29.8	0.5%	0.23
19/5	Sample S001	29.9	29.6	-1.0%	-0.96
19/3	Sample S001	29.5	29.7	0.5%	0.24
19/1	Sample S001	30.0	29.7	-1.0%	-0.69
18/11	Sample S001	29.8	29.3	-1.6%	-1.05

Patient-MCHC |060 XN-3

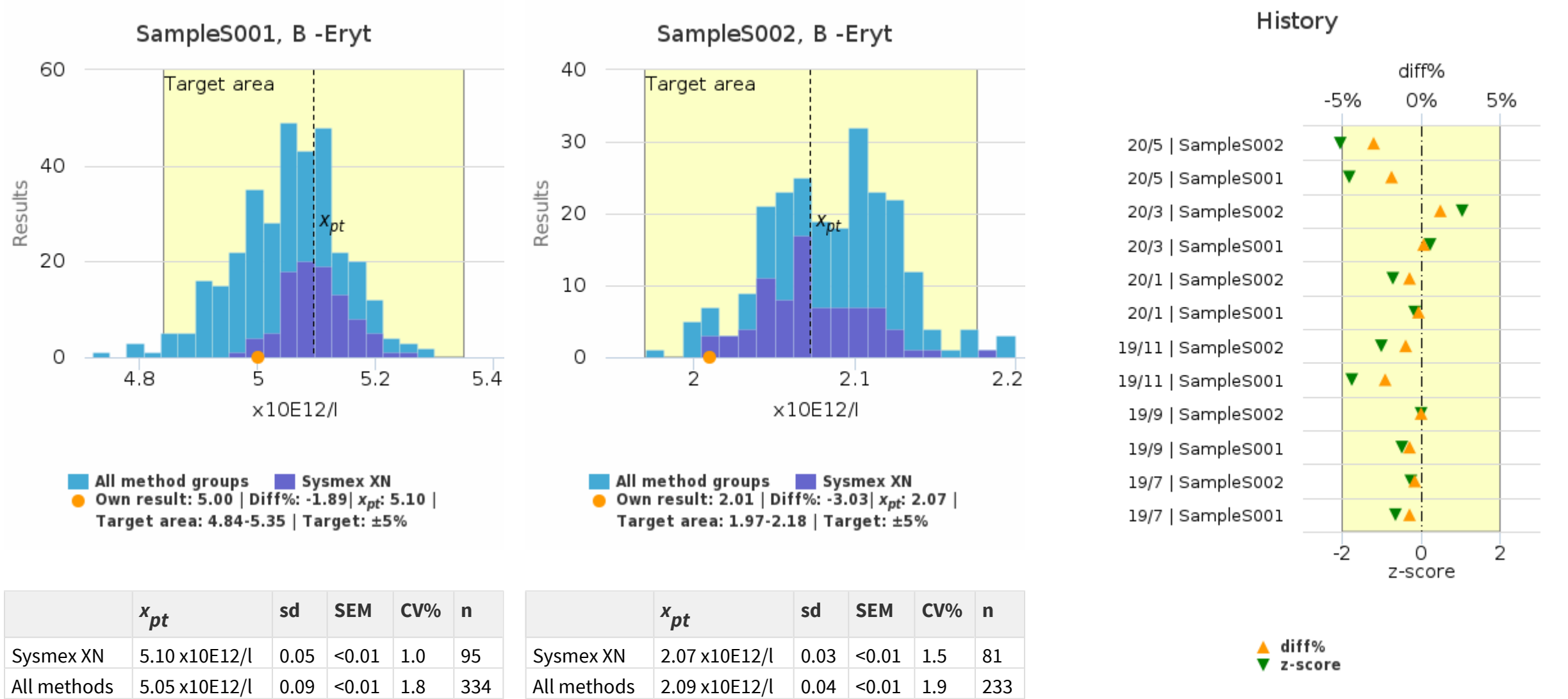


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	330.9 g/l	5.8	0.7	1.8	71
All methods	333.1 g/l	7.3	0.6	2.2	143



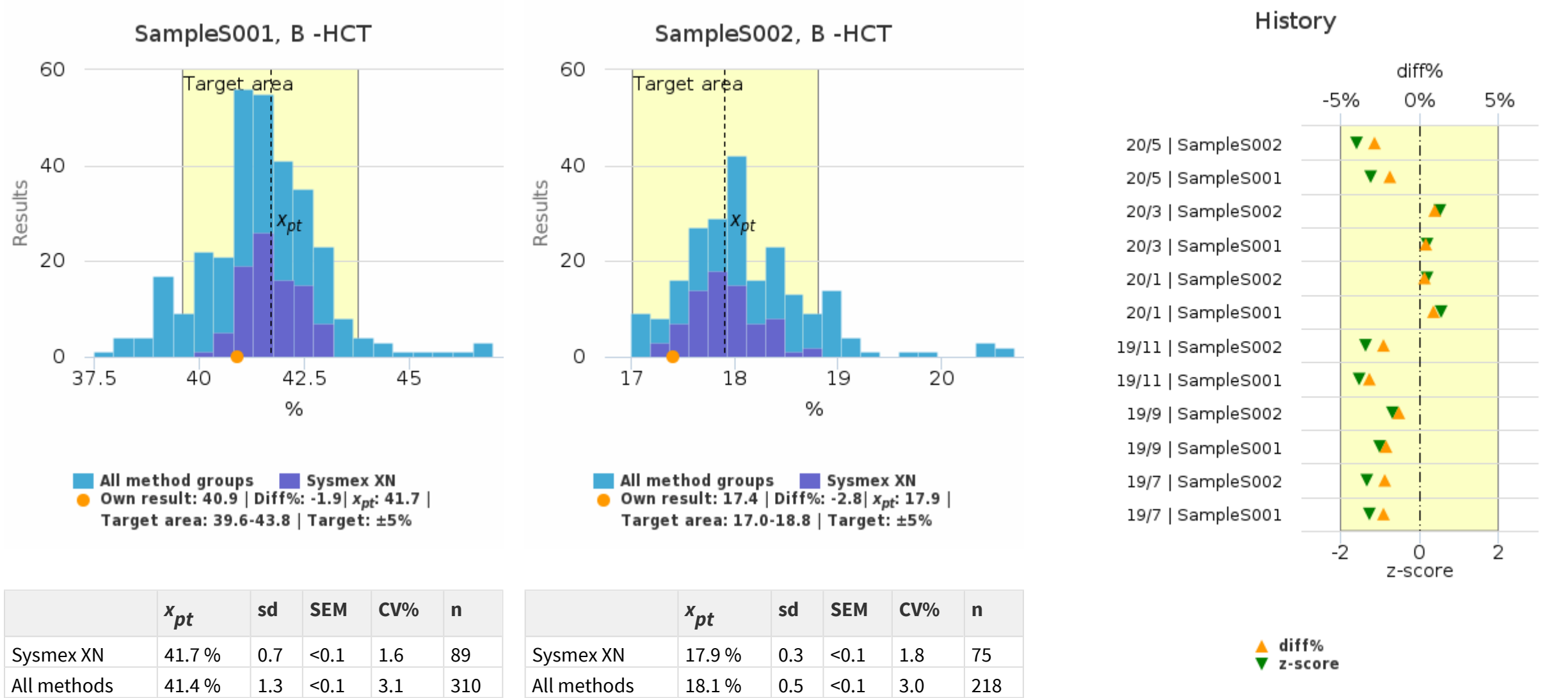
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	330.9	324.0	-2.1%	-1.19
20/3	Sample S001	332.0	323.0	-2.7%	-1.13
20/1	Sample S001	331.9	323.0	-2.7%	-1.56
19/11	Sample S001	331.4	331.0	-0.1%	-0.06
19/9	Sample S001	334.9	332.0	-0.9%	-0.41
19/7	Sample S001	332.3	331.0	-0.4%	-0.21
19/5	Sample S001	331.4	329.0	-0.7%	-0.40
19/3	Sample S001	335.4	328.0	-2.2%	-1.25
19/1	Sample S001	332.1	329.0	-0.9%	-0.54
18/11	Sample S001	329.6	323.0	-2.0%	-1.08

B -Eryt |060 XN-3

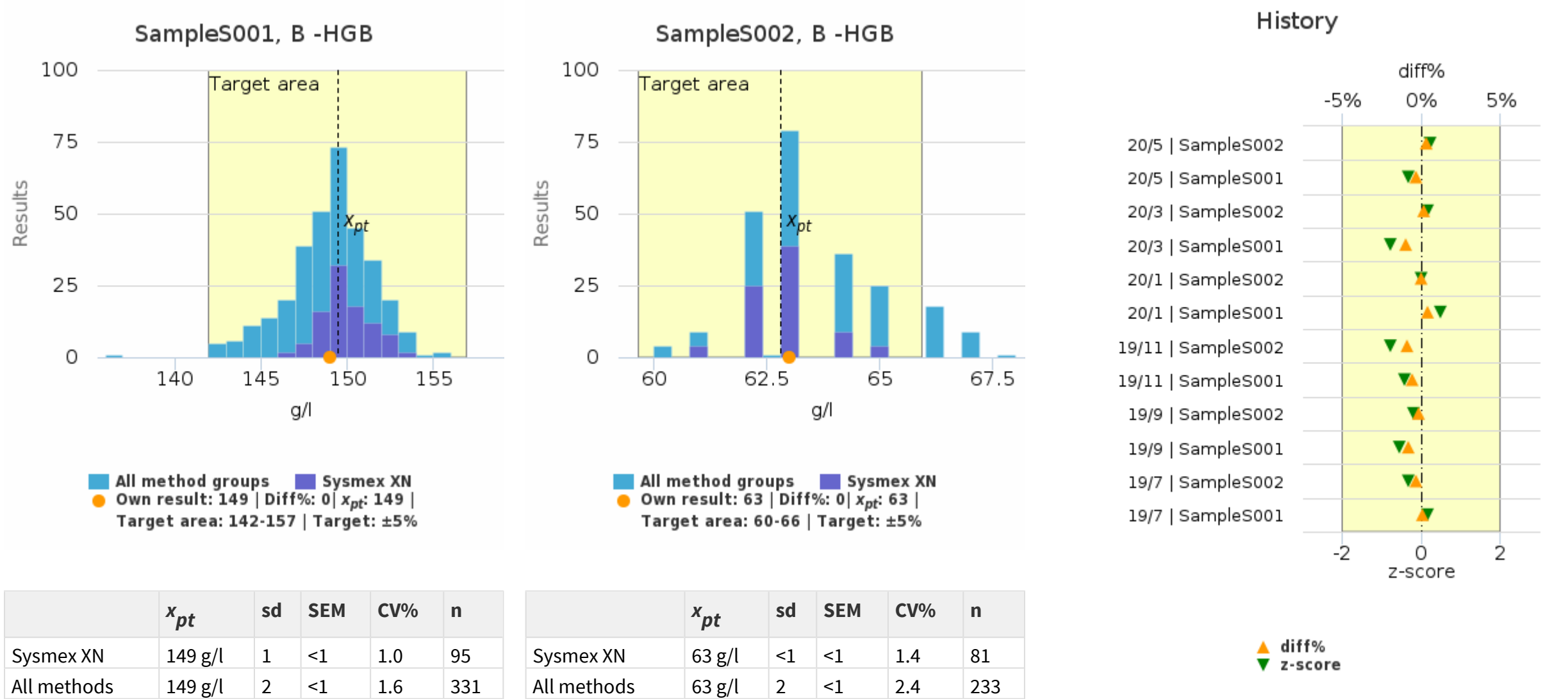


Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	2.07	2.01	-3.03%	-2.03
20/5	Sample S001	5.10	5.00	-1.89%	-1.82
20/3	Sample S002	2.50	2.53	1.20%	1.05
20/3	Sample S001	2.05	2.05	0.24%	0.22
20/1	Sample S002	5.58	5.54	-0.74%	-0.70
20/1	Sample S001	4.58	4.57	-0.18%	-0.16
19/11	Sample S002	4.94	4.89	-1.04%	-1.00
19/11	Sample S001	2.06	2.01	-2.30%	-1.74
19/9	Sample S002	4.55	4.55	-0.01%	-0.01
19/9	Sample S001	1.98	1.97	-0.70%	-0.49
19/7	Sample S002	5.21	5.19	-0.36%	-0.25
19/7	Sample S001	4.55	4.52	-0.69%	-0.64

B -HCT |060 XN-3

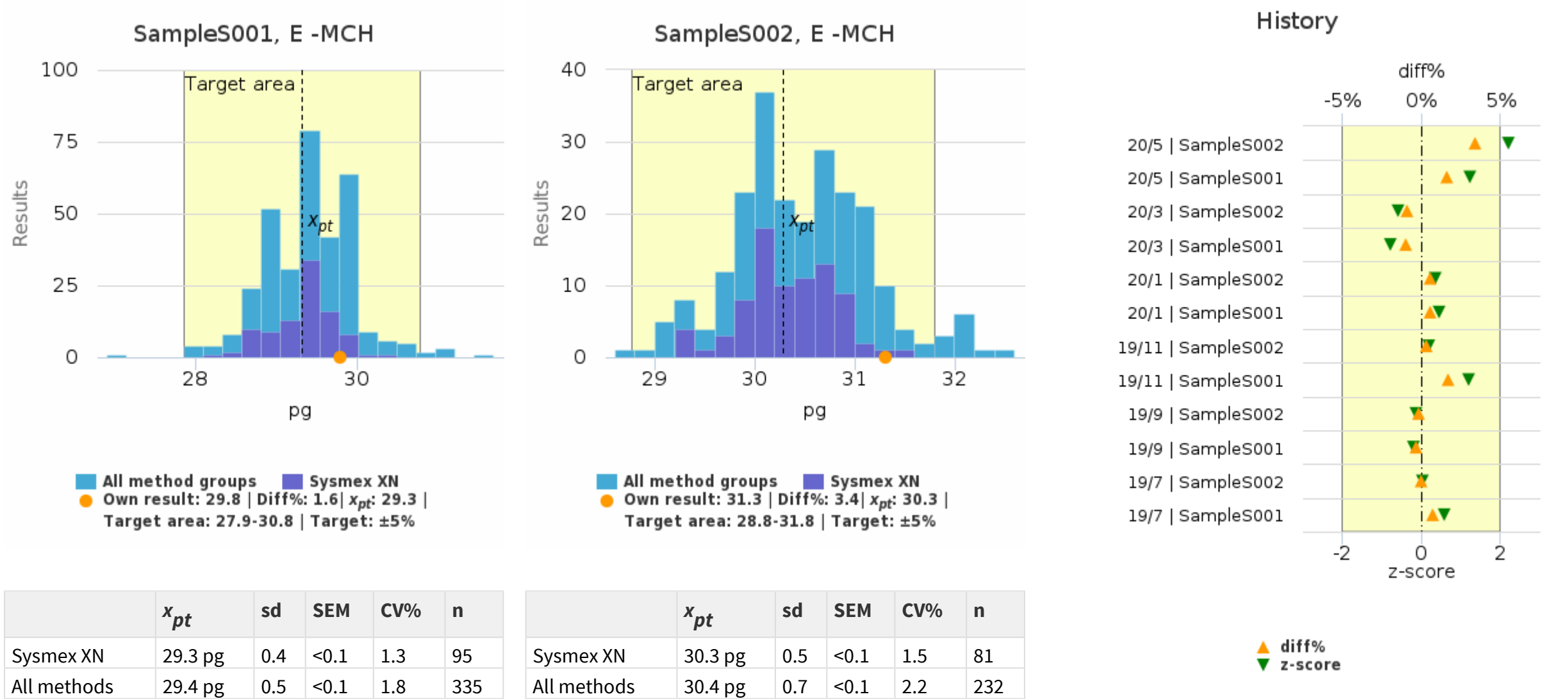


B -HGB |060 XN-3



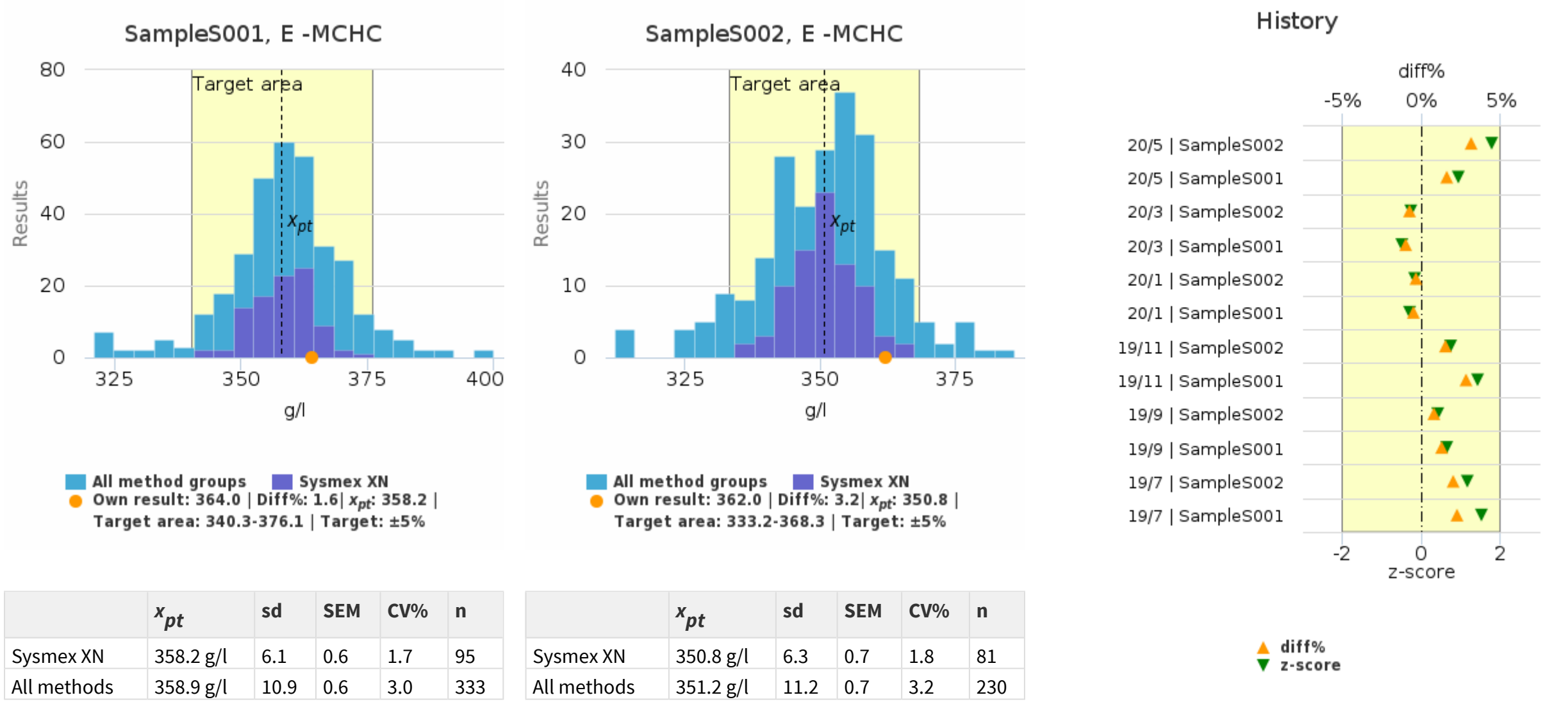
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	63	63	0%	0.23
20/5	Sample S001	149	149	0%	-0.32
20/3	Sample S002	72	72	0%	0.16
20/3	Sample S001	62	61	-1%	-0.79
20/1	Sample S002	163	163	0%	-0.01
20/1	Sample S001	137	138	0%	0.50
19/11	Sample S002	146	145	-1%	-0.79
19/11	Sample S001	62	62	-1%	-0.42
19/9	Sample S002	137	137	0%	-0.18
19/9	Sample S001	59	59	-1%	-0.56
19/7	Sample S002	159	159	0%	-0.31
19/7	Sample S001	135	135	0%	0.15

E -MCH |060 XN-3



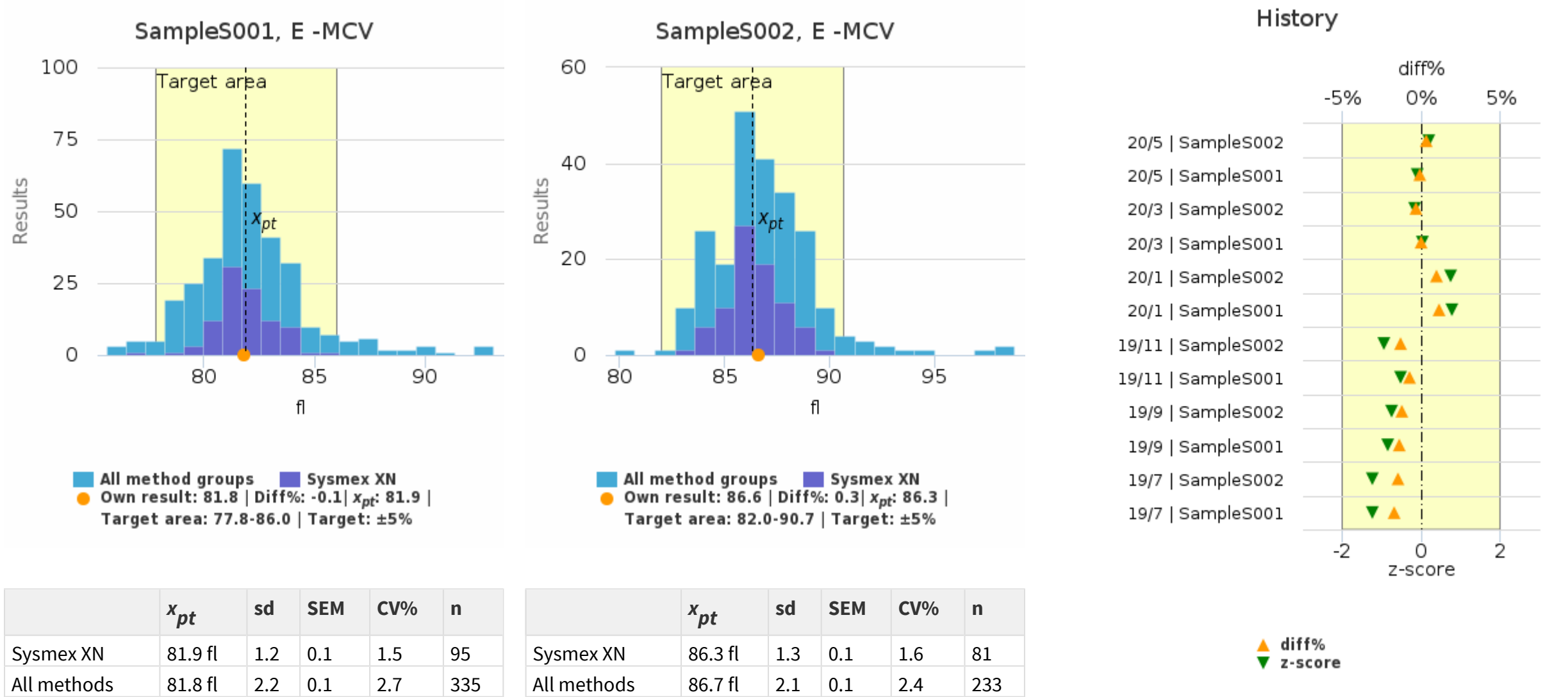
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	30.3	31.3	3.4%	2.21
20/5	Sample S001	29.3	29.8	1.6%	1.24
20/3	Sample S002	28.7	28.5	-0.9%	-0.58
20/3	Sample S001	30.1	29.8	-1.0%	-0.77
20/1	Sample S002	29.2	29.4	0.6%	0.36
20/1	Sample S001	30.0	30.2	0.6%	0.47
19/11	Sample S002	29.6	29.7	0.3%	0.19
19/11	Sample S001	30.3	30.8	1.7%	1.20
19/9	Sample S002	30.2	30.1	-0.2%	-0.14
19/9	Sample S001	30.0	29.9	-0.3%	-0.19
19/7	Sample S002	30.6	30.6	0.0%	0.02
19/7	Sample S001	29.7	29.9	0.7%	0.58

E -MCHC |060 XN-3



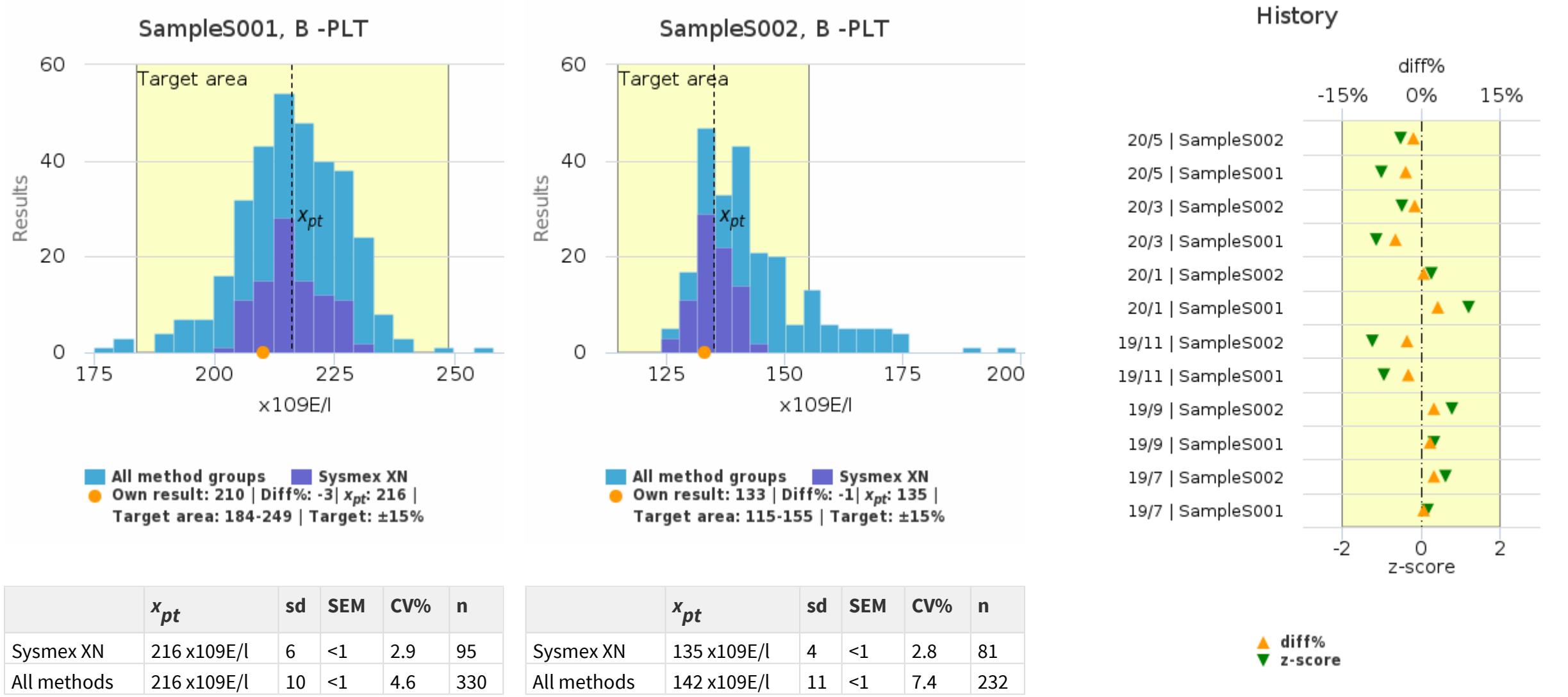
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	350.8	362.0	3.2%	1.79
20/5	Sample S001	358.2	364.0	1.6%	0.95
20/3	Sample S002	352.3	350.0	-0.7%	-0.27
20/3	Sample S001	348.6	345.0	-1.0%	-0.50
20/1	Sample S002	352.0	351.0	-0.3%	-0.15
20/1	Sample S001	355.9	354.0	-0.5%	-0.30
19/11	Sample S002	354.7	360.0	1.5%	0.73
19/11	Sample S001	346.4	356.0	2.8%	1.42
19/9	Sample S002	358.3	361.0	0.8%	0.42
19/9	Sample S001	344.6	349.0	1.3%	0.65
19/7	Sample S002	355.9	363.0	2.0%	1.18
19/7	Sample S001	358.6	367.0	2.3%	1.51

E -MCV |060 XN-3



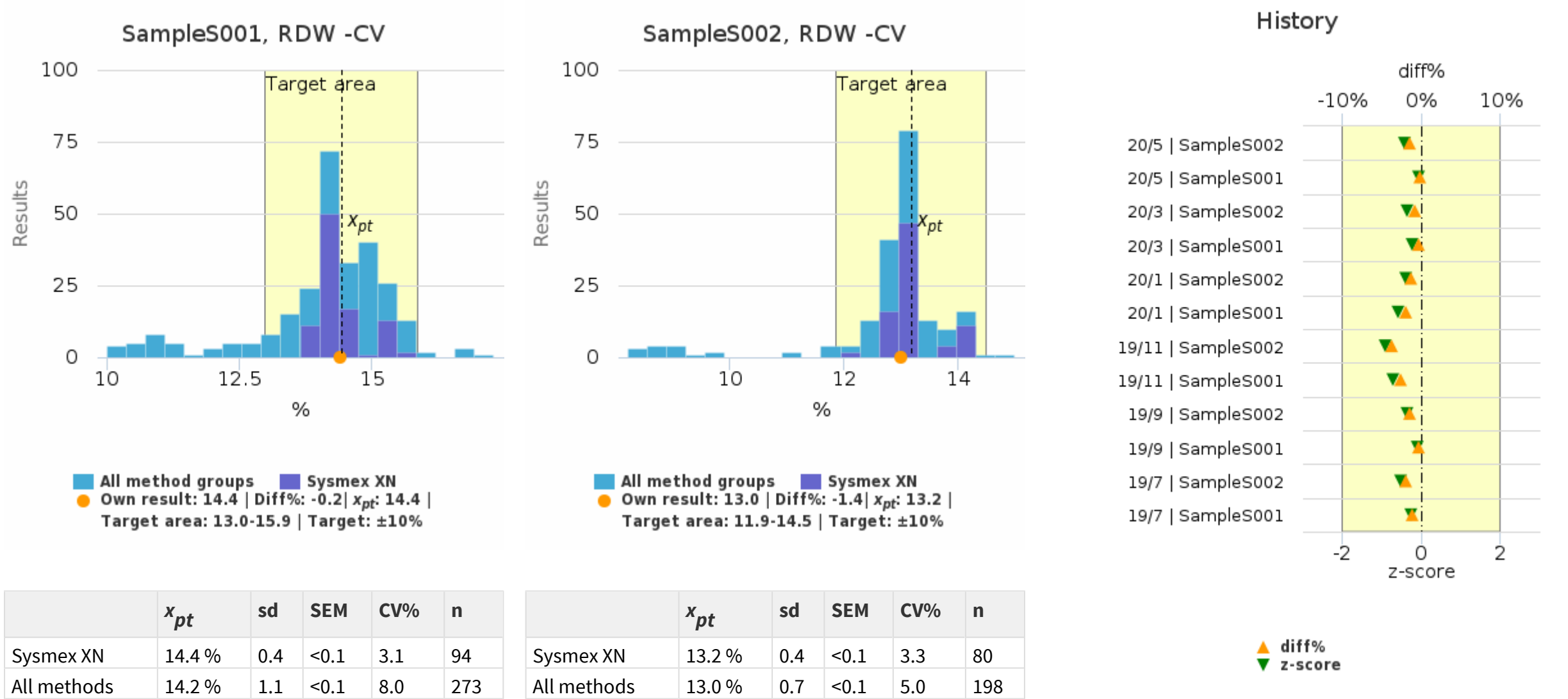
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	86.3	86.6	0.3%	0.19
20/5	Sample S001	81.9	81.8	-0.1%	-0.09
20/3	Sample S002	81.6	81.4	-0.3%	-0.16
20/3	Sample S001	86.3	86.3	0.0%	0.03
20/1	Sample S002	83.1	83.9	1.0%	0.74
20/1	Sample S001	84.3	85.3	1.1%	0.79
19/11	Sample S002	83.4	82.4	-1.3%	-0.95
19/11	Sample S001	87.3	86.6	-0.7%	-0.51
19/9	Sample S002	84.3	83.3	-1.2%	-0.75
19/9	Sample S001	87.0	85.8	-1.4%	-0.83
19/7	Sample S002	85.7	84.4	-1.5%	-1.24
19/7	Sample S001	82.8	81.4	-1.7%	-1.22

B -PLT |060 XN-3



Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	135	133	-1%	-0.53
20/5	Sample S001	216	210	-3%	-1.00
20/3	Sample S002	444	439	-1%	-0.49
20/3	Sample S001	46	44	-5%	-1.15
20/1	Sample S002	420	422	1%	0.27
20/1	Sample S001	241	249	3%	1.21
19/11	Sample S002	441	429	-3%	-1.24
19/11	Sample S001	141	138	-2%	-0.94
19/9	Sample S002	237	243	2%	0.77
19/9	Sample S001	43	44	2%	0.32
19/7	Sample S002	74	76	2%	0.62
19/7	Sample S001	240	241	0%	0.15

RDW -CV |060 XN-3

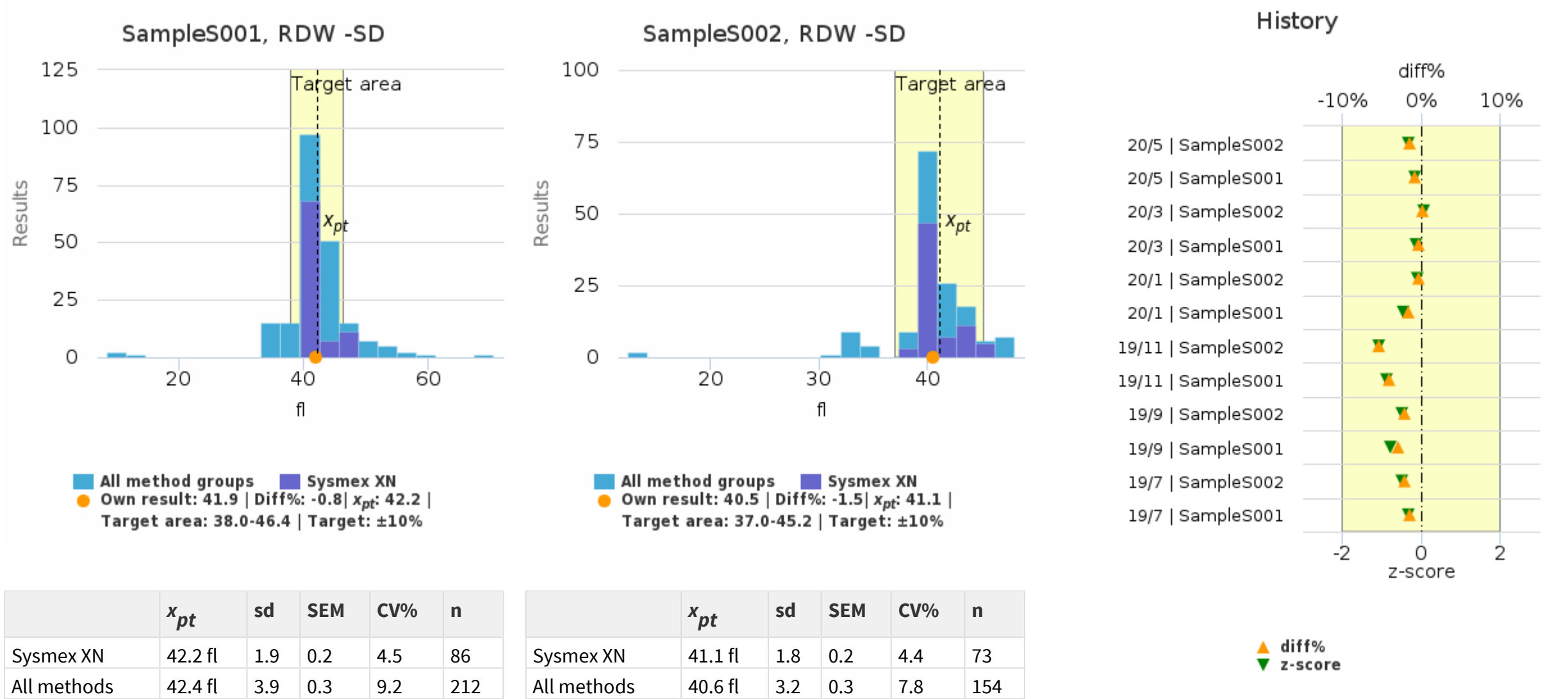


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	14.4 %	0.4	<0.1	3.1	94
All methods	14.2 %	1.1	<0.1	8.0	273

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	13.2 %	0.4	<0.1	3.3	80
All methods	13.0 %	0.7	<0.1	5.0	198

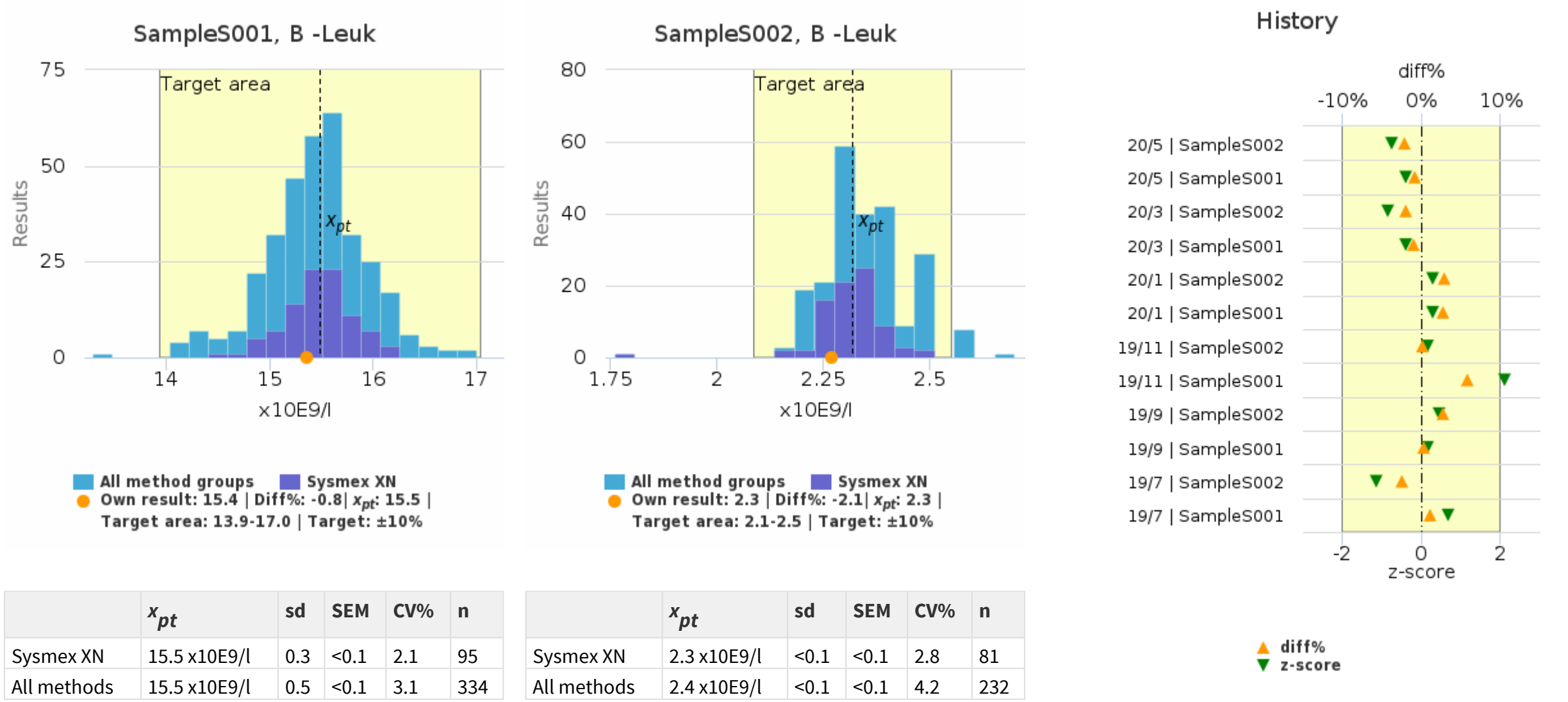
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	13.2	13.0	-1.4%	-0.41
20/5	Sample S001	14.4	14.4	-0.2%	-0.07
20/3	Sample S002	15.2	15.1	-0.8%	-0.36
20/3	Sample S001	12.4	12.4	-0.4%	-0.23
20/1	Sample S002	14.8	14.6	-1.3%	-0.39
20/1	Sample S001	13.4	13.1	-2.0%	-0.57
19/11	Sample S002	15.4	14.8	-3.8%	-0.90
19/11	Sample S001	14.1	13.7	-2.6%	-0.70
19/9	Sample S002	13.4	13.2	-1.4%	-0.37
19/9	Sample S001	12.8	12.8	-0.4%	-0.11
19/7	Sample S002	13.0	12.7	-2.0%	-0.51
19/7	Sample S001	13.3	13.2	-1.1%	-0.25

RDW -SD |060 XN-3



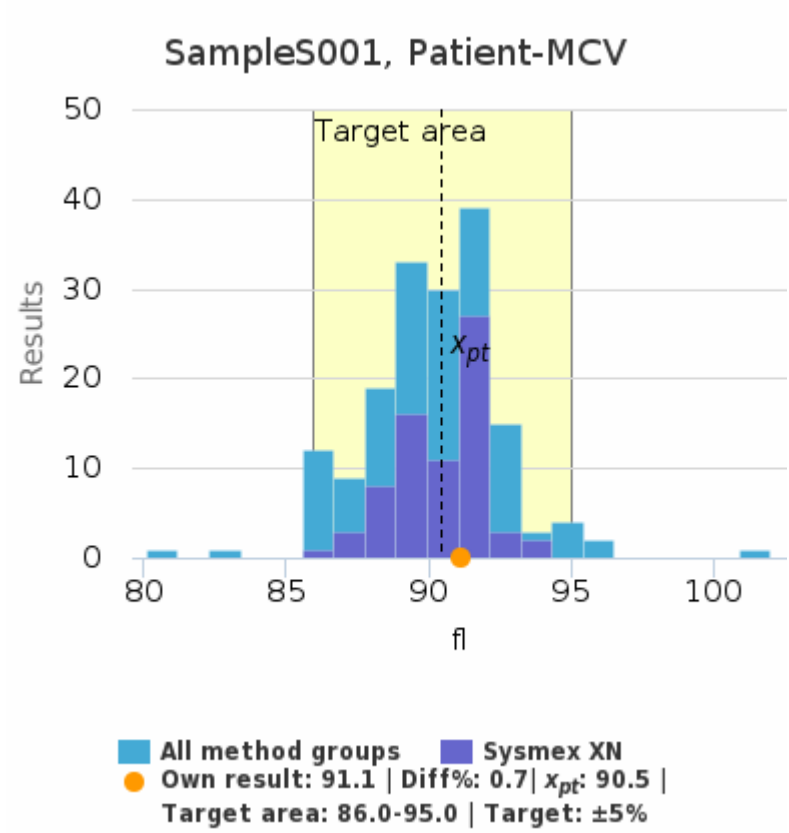
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	41.1	40.5	-1.5%	-0.34
20/5	Sample S001	42.2	41.9	-0.8%	-0.17
20/3	Sample S002	45.1	45.1	0.1%	0.06
20/3	Sample S001	38.9	38.8	-0.3%	-0.14
20/1	Sample S002	43.7	43.5	-0.4%	-0.10
20/1	Sample S001	40.7	40.0	-1.7%	-0.44
19/11	Sample S002	46.5	44.0	-5.4%	-1.08
19/11	Sample S001	44.7	42.9	-4.0%	-0.89
19/9	Sample S002	40.8	39.9	-2.1%	-0.49
19/9	Sample S001	40.5	39.3	-2.9%	-0.78
19/7	Sample S002	39.9	39.1	-2.1%	-0.50
19/7	Sample S001	39.8	39.2	-1.5%	-0.31

B -Leuk |060 XN-3



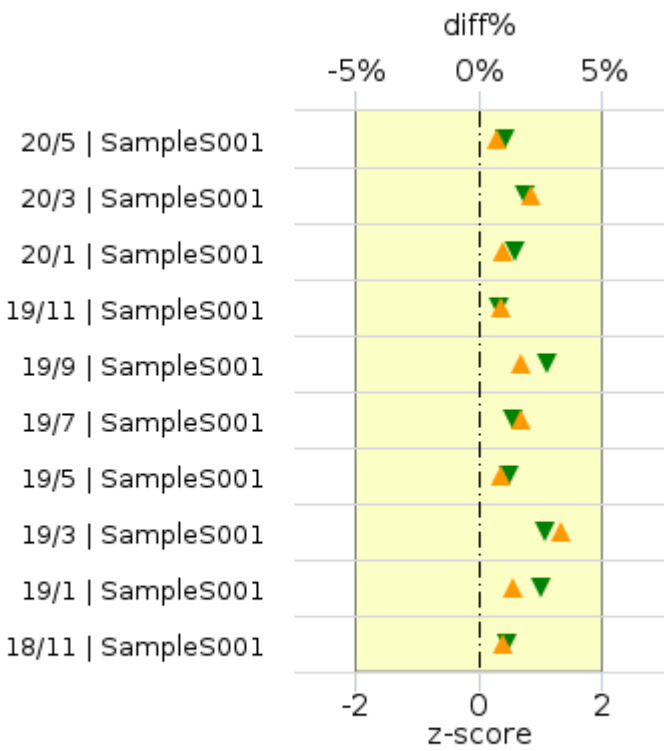
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	2.3	2.3	-2.1%	-0.74
20/5	Sample S001	15.5	15.4	-0.8%	-0.39
20/3	Sample S002	7.7	7.5	-2.0%	-0.83
20/3	Sample S001	2.9	2.9	-0.9%	-0.38
20/1	Sample S002	15.7	16.2	2.9%	0.28
20/1	Sample S001	8.4	8.7	2.7%	0.28
19/11	Sample S002	19.4	19.4	0.2%	0.15
19/11	Sample S001	2.3	2.5	5.8%	2.10
19/9	Sample S002	8.8	9.1	2.7%	0.46
19/9	Sample S001	3.2	3.2	0.4%	0.17
19/7	Sample S002	5.9	5.8	-2.4%	-1.12
19/7	Sample S001	8.8	8.9	1.1%	0.68

Patient-MCV |061 XN-1



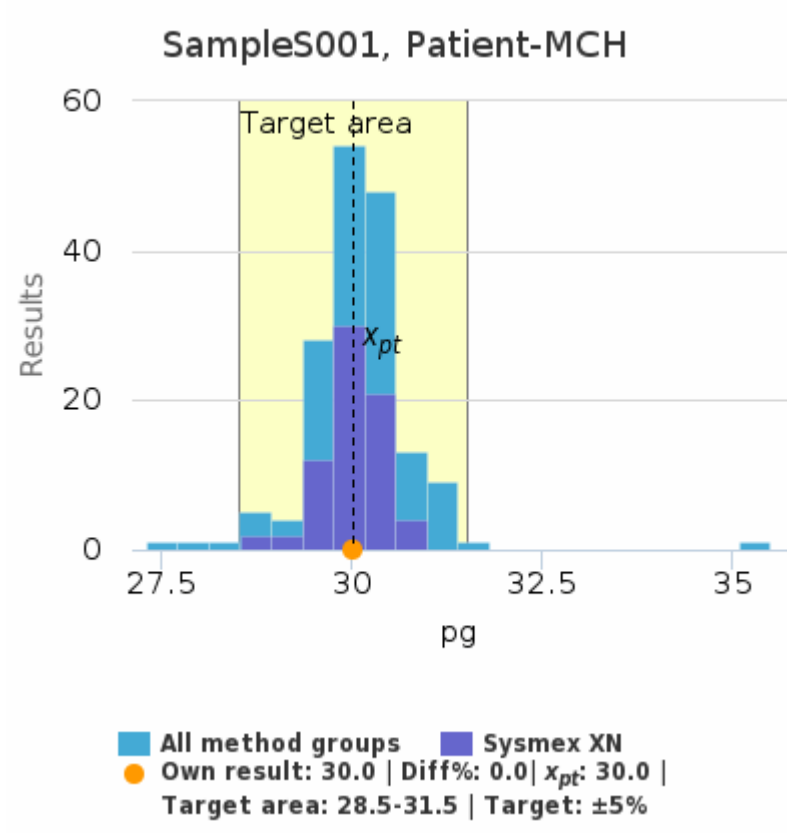
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	90.5 fl	1.5	0.2	1.7	71
All methods	90.2 fl	2.1	0.2	2.4	169

History

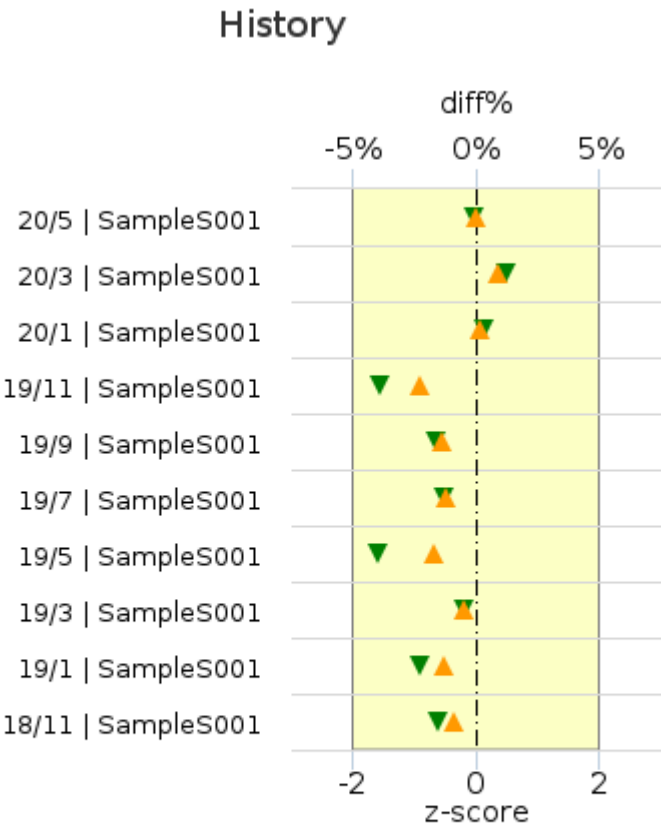


Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	90.5	91.1	0.7%	0.41
20/3	Sample S001	89.3	91.1	2.1%	0.76
20/1	Sample S001	90.1	91.0	1.0%	0.58
19/11	Sample S001	89.9	90.7	0.9%	0.31
19/9	Sample S001	89.4	90.9	1.7%	1.09
19/7	Sample S001	89.0	90.5	1.7%	0.56
19/5	Sample S001	90.4	91.2	0.9%	0.50
19/3	Sample S001	88.1	91.0	3.3%	1.06
19/1	Sample S001	90.2	91.5	1.4%	1.01
18/11	Sample S001	90.2	91.1	1.0%	0.46

Patient-MCH |061 XN-1



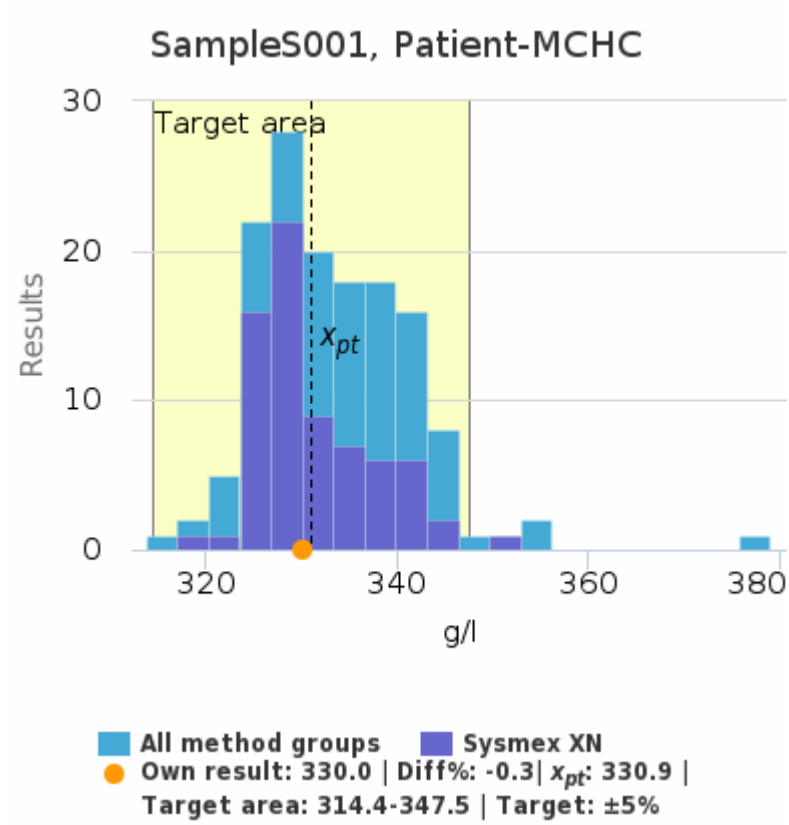
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	30.0 pg	0.4	<0.1	1.3	71
All methods	30.1 pg	0.5	<0.1	1.8	166



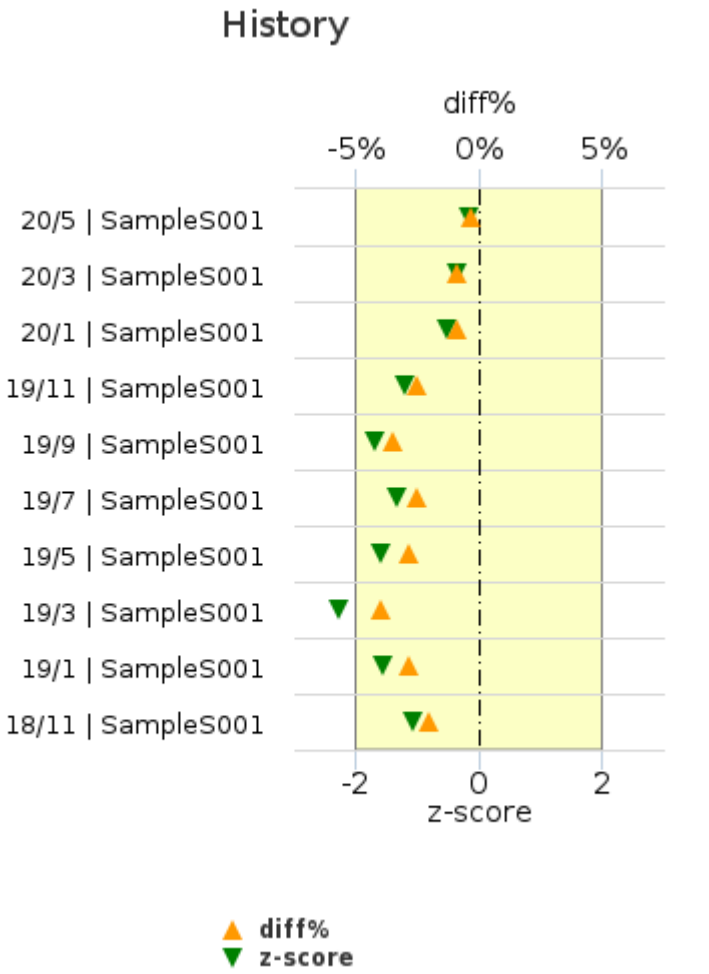
▲ diff%
▼ z-score

Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	30.0	30.0	0.0%	-0.02
20/3	Sample S001	29.7	30.0	0.9%	0.48
20/1	Sample S001	30.0	30.0	0.2%	0.13
19/11	Sample S001	30.0	29.3	-2.3%	-1.57
19/9	Sample S001	29.8	29.4	-1.4%	-0.64
19/7	Sample S001	29.6	29.3	-1.2%	-0.53
19/5	Sample S001	29.9	29.4	-1.7%	-1.59
19/3	Sample S001	29.5	29.4	-0.5%	-0.21
19/1	Sample S001	30.0	29.6	-1.3%	-0.92
18/11	Sample S001	29.8	29.5	-0.9%	-0.61

Patient-MCHC |061 XN-1

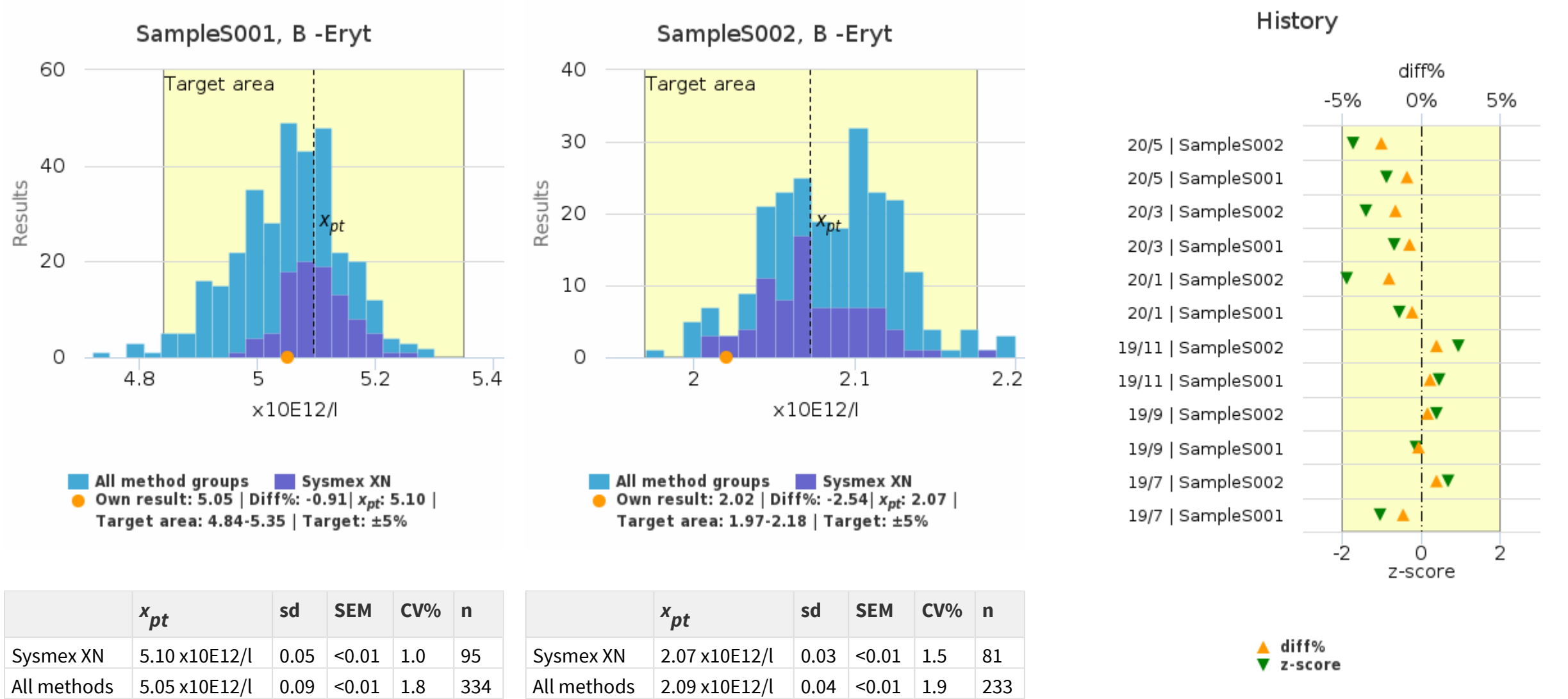


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	330.9 g/l	5.8	0.7	1.8	71
All methods	333.1 g/l	7.3	0.6	2.2	143

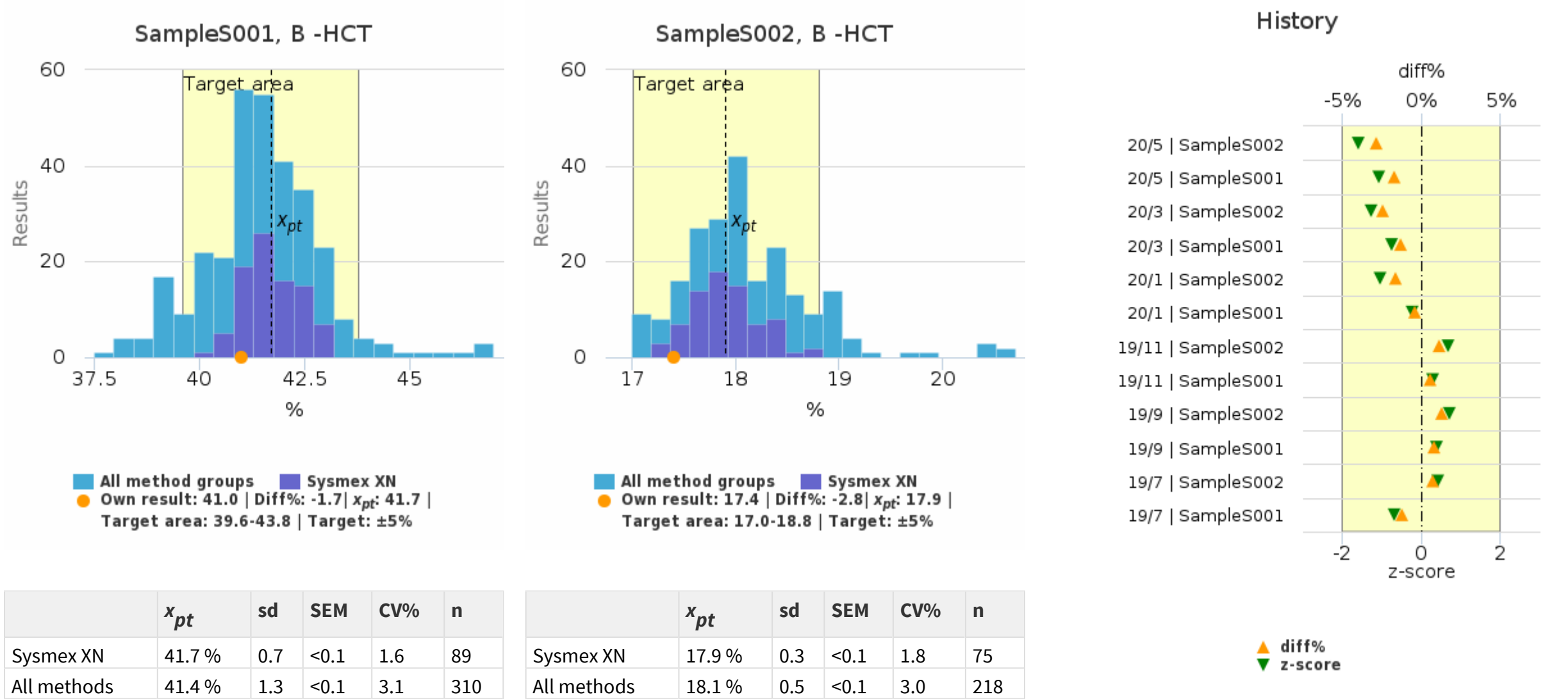


Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	330.9	330.0	-0.3%	-0.16
20/3	Sample S001	332.0	329.0	-0.9%	-0.37
20/1	Sample S001	331.9	329.0	-0.9%	-0.51
19/11	Sample S001	331.4	323.0	-2.5%	-1.21
19/9	Sample S001	334.9	323.0	-3.5%	-1.70
19/7	Sample S001	332.3	324.0	-2.5%	-1.32
19/5	Sample S001	331.4	322.0	-2.8%	-1.59
19/3	Sample S001	335.4	322.0	-4.0%	-2.26
19/1	Sample S001	332.1	323.0	-2.8%	-1.57
18/11	Sample S001	329.6	323.0	-2.0%	-1.08

B -Eryt |061 XN-1

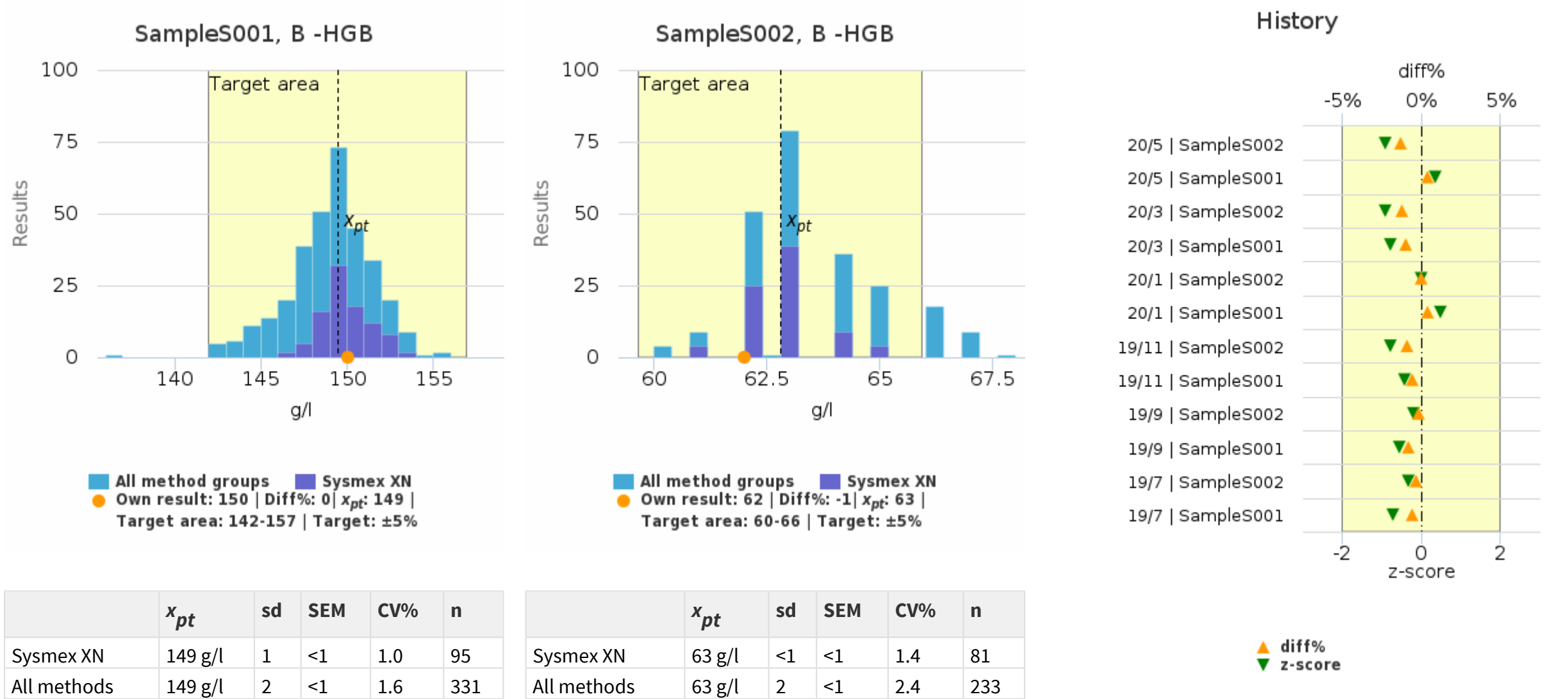


B -HCT |061 XN-1

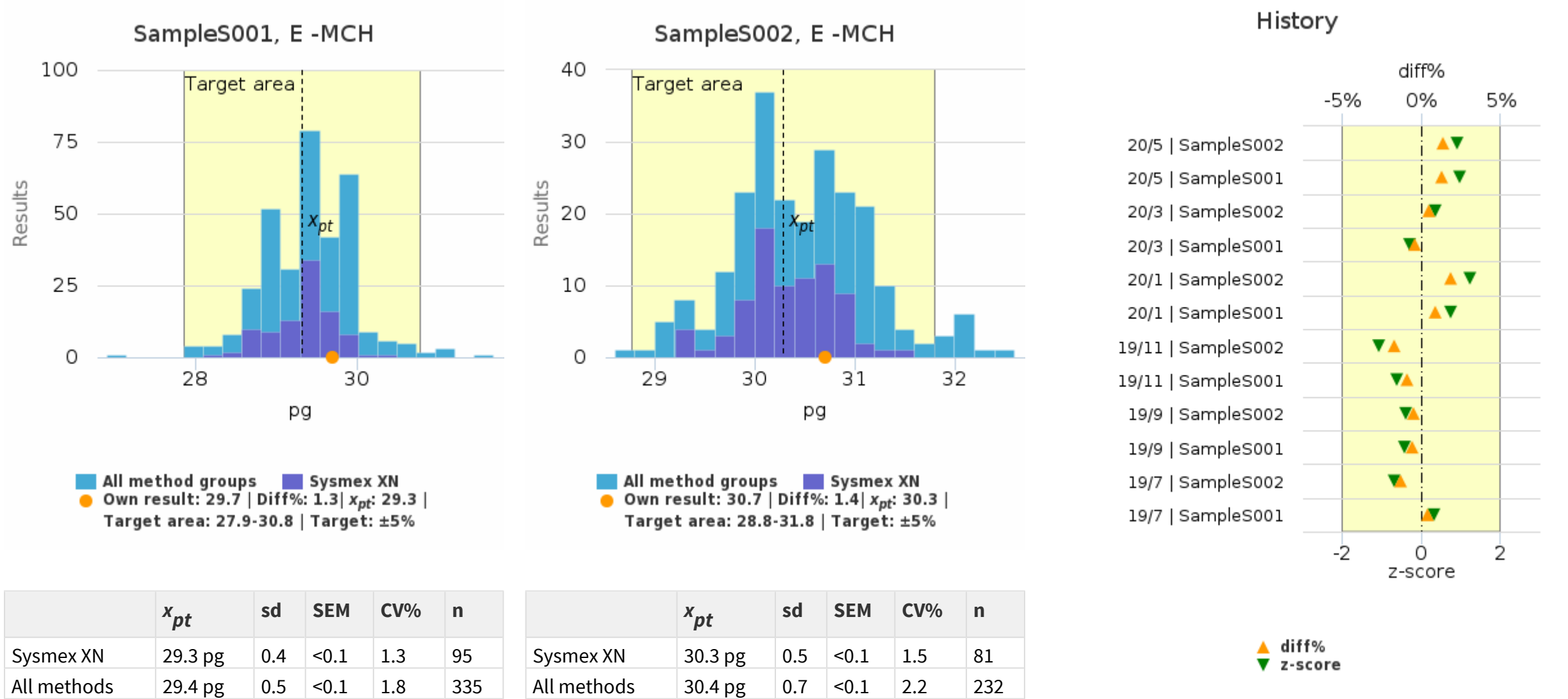


Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	17.9	17.4	-2.8%	-1.59
20/5	Sample S001	41.7	41.0	-1.7%	-1.08
20/3	Sample S002	20.4	19.9	-2.4%	-1.25
20/3	Sample S001	17.6	17.4	-1.3%	-0.73
20/1	Sample S002	46.4	45.6	-1.6%	-1.05
20/1	Sample S001	38.6	38.5	-0.4%	-0.23
19/11	Sample S002	41.2	41.7	1.1%	0.68
19/11	Sample S001	18.0	18.1	0.6%	0.30
19/9	Sample S002	38.4	38.9	1.3%	0.71
19/9	Sample S001	17.3	17.4	0.8%	0.38
19/7	Sample S002	44.8	45.1	0.7%	0.43
19/7	Sample S001	37.7	37.2	-1.2%	-0.69

B -HGB |061 XN-1

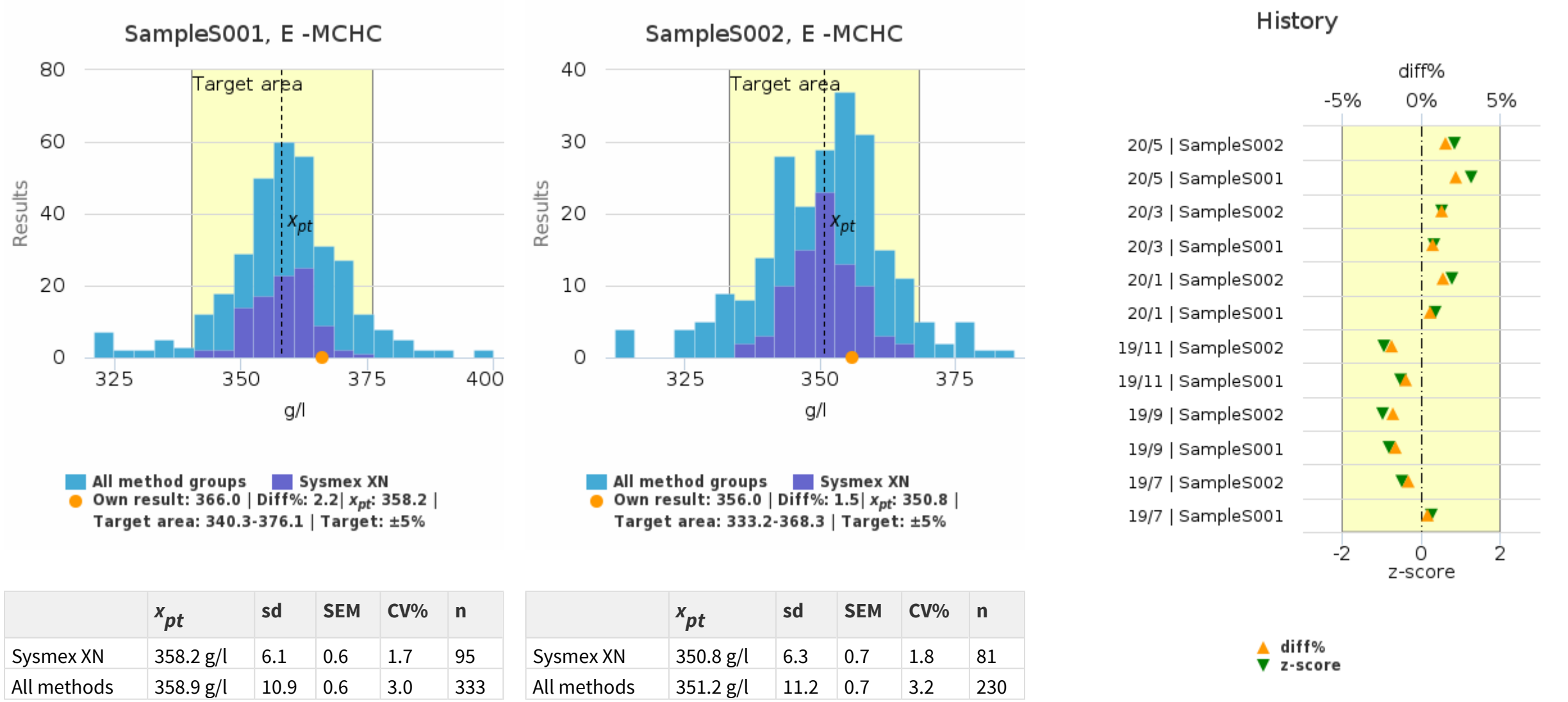


E -MCH |061 XN-1



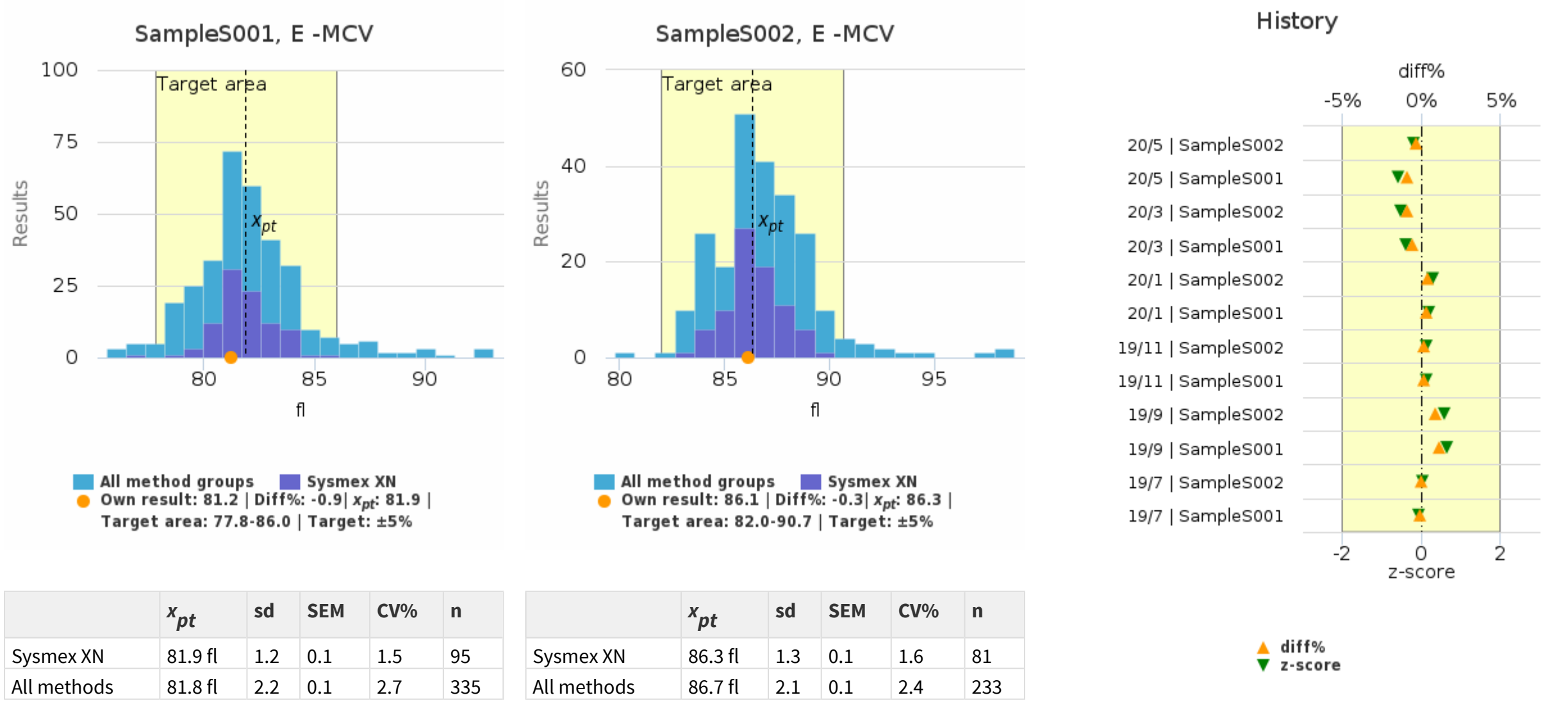
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	30.3	30.7	1.4%	0.90
20/5	Sample S001	29.3	29.7	1.3%	0.98
20/3	Sample S002	28.7	28.9	0.5%	0.36
20/3	Sample S001	30.1	30.0	-0.4%	-0.28
20/1	Sample S002	29.2	29.8	1.9%	1.24
20/1	Sample S001	30.0	30.3	0.9%	0.74
19/11	Sample S002	29.6	29.1	-1.7%	-1.07
19/11	Sample S001	30.3	30.0	-0.9%	-0.63
19/9	Sample S002	30.2	30.0	-0.5%	-0.40
19/9	Sample S001	30.0	29.8	-0.6%	-0.42
19/7	Sample S002	30.6	30.2	-1.3%	-0.68
19/7	Sample S001	29.7	29.8	0.4%	0.31

E -MCHC |061 XN-1



Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	350.8	356.0	1.5%	0.84
20/5	Sample S001	358.2	366.0	2.2%	1.28
20/3	Sample S002	352.3	357.0	1.3%	0.53
20/3	Sample S001	348.6	351.0	0.7%	0.32
20/1	Sample S002	352.0	357.0	1.4%	0.77
20/1	Sample S001	355.9	358.0	0.6%	0.35
19/11	Sample S002	354.7	348.0	-1.9%	-0.94
19/11	Sample S001	346.4	343.0	-1.0%	-0.51
19/9	Sample S002	358.3	352.0	-1.8%	-0.97
19/9	Sample S001	344.6	339.0	-1.6%	-0.82
19/7	Sample S002	355.9	353.0	-0.8%	-0.49
19/7	Sample S001	358.6	360.0	0.4%	0.25

E -MCV |061 XN-1

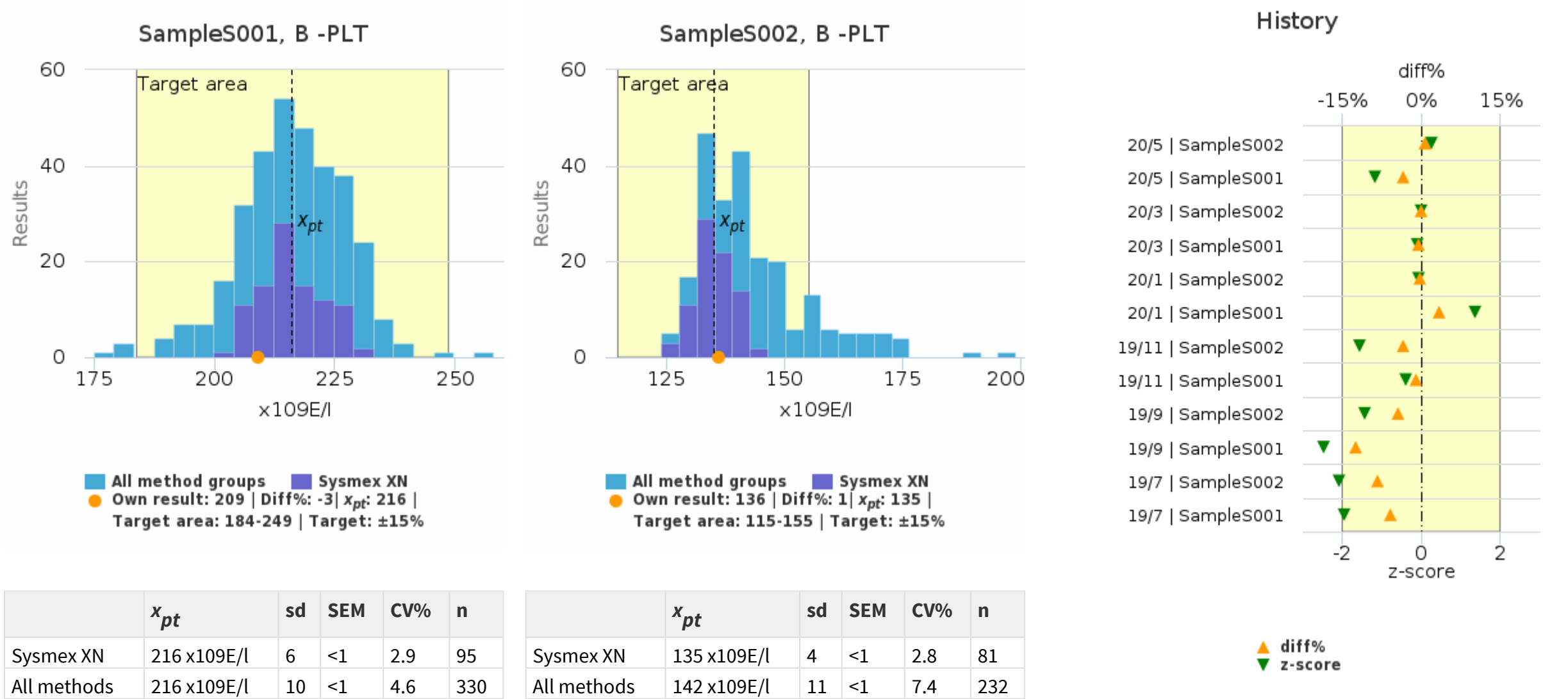


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	81.9 fl	1.2	0.1	1.5	95
All methods	81.8 fl	2.2	0.1	2.7	335

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	86.3 fl	1.3	0.1	1.6	81
All methods	86.7 fl	2.1	0.1	2.4	233

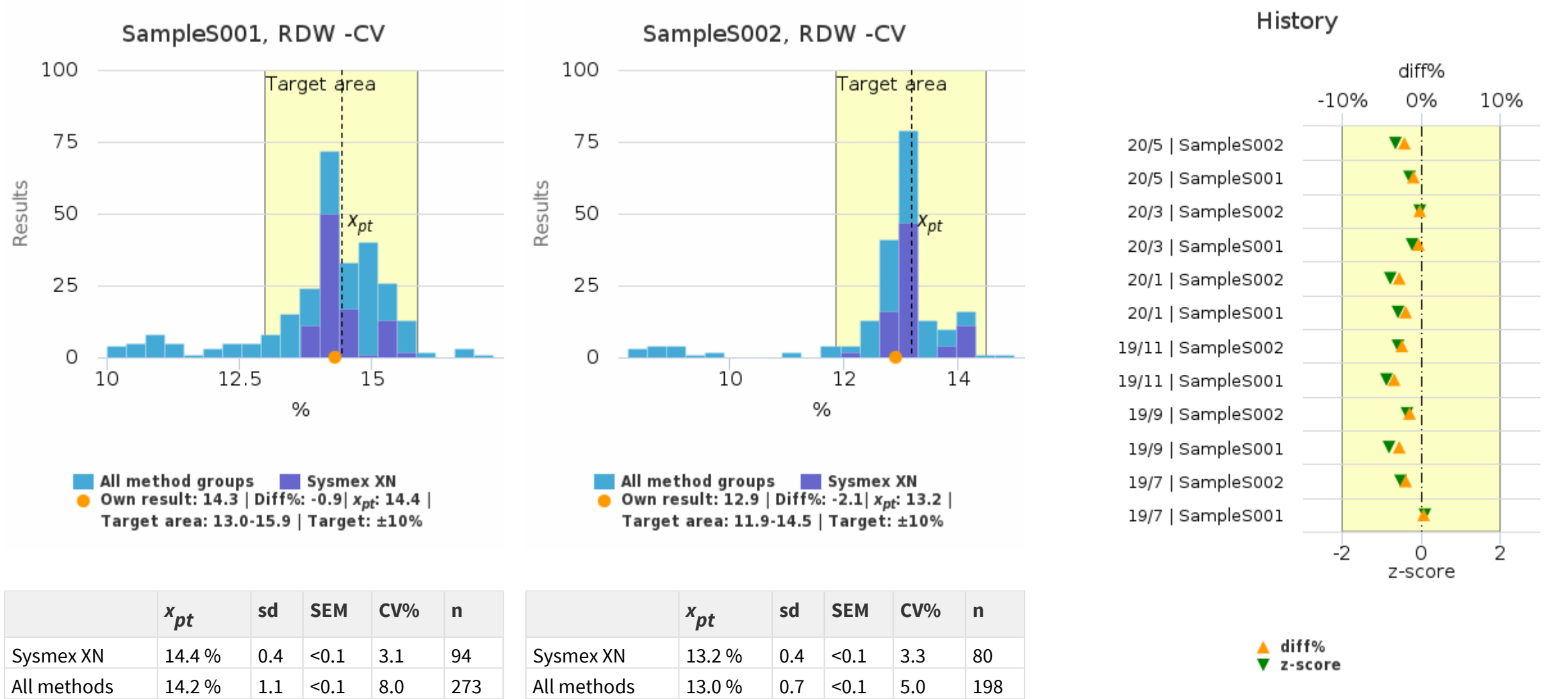
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	86.3	86.1	-0.3%	-0.18
20/5	Sample S001	81.9	81.2	-0.9%	-0.58
20/3	Sample S002	81.6	80.9	-0.9%	-0.51
20/3	Sample S001	86.3	85.7	-0.6%	-0.39
20/1	Sample S002	83.1	83.4	0.4%	0.29
20/1	Sample S001	84.3	84.6	0.3%	0.21
19/11	Sample S002	83.4	83.6	0.2%	0.14
19/11	Sample S001	87.3	87.4	0.2%	0.12
19/9	Sample S002	84.3	85.1	0.9%	0.58
19/9	Sample S001	87.0	87.9	1.1%	0.65
19/7	Sample S002	85.7	85.7	0.0%	0.02
19/7	Sample S001	82.8	82.7	-0.1%	-0.07

B -PLT |061 XN-1



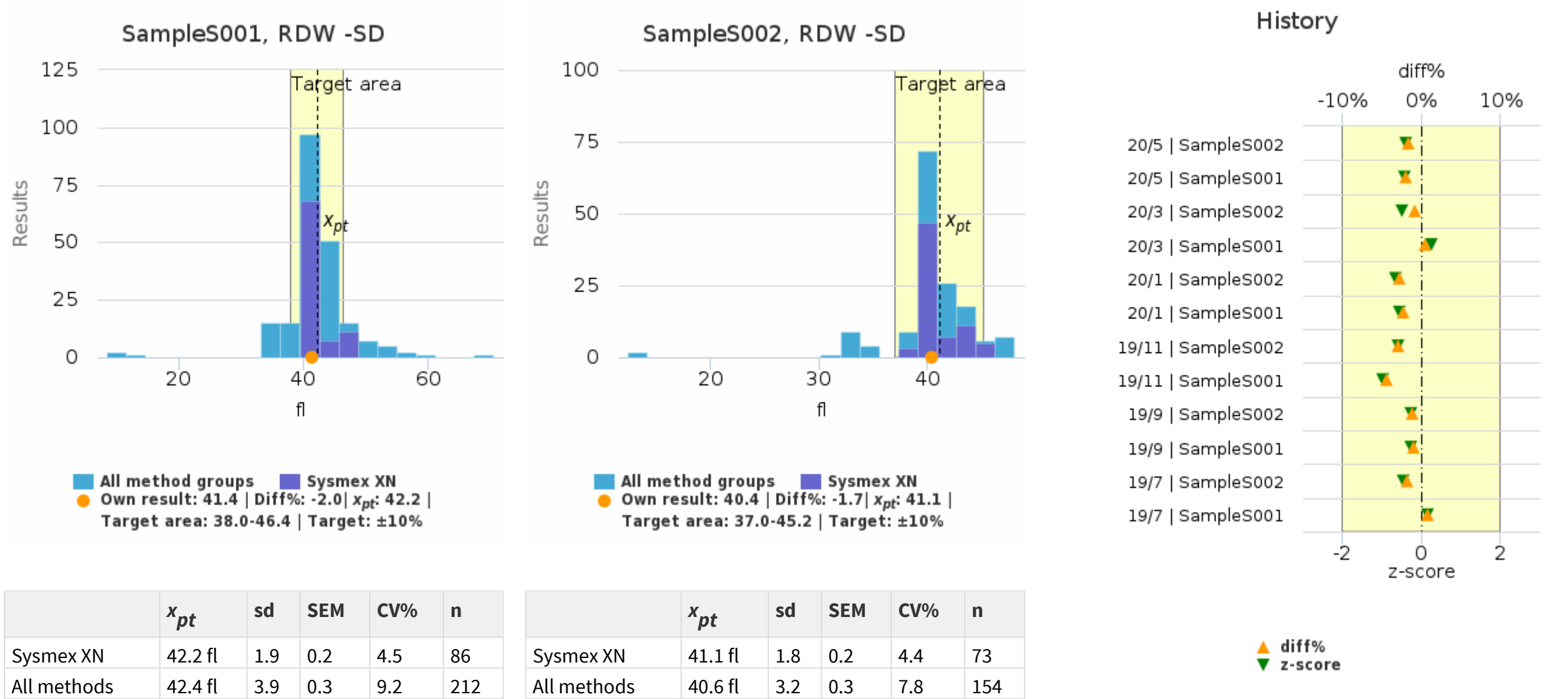
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	135	136	1%	0.26
20/5	Sample S001	216	209	-3%	-1.17
20/3	Sample S002	444	444	0%	-0.01
20/3	Sample S001	46	46	0%	-0.10
20/1	Sample S002	420	419	0%	-0.07
20/1	Sample S001	241	250	4%	1.37
19/11	Sample S002	441	426	-3%	-1.55
19/11	Sample S001	141	140	-1%	-0.39
19/9	Sample S002	237	227	-4%	-1.42
19/9	Sample S001	43	38	-12%	-2.45
19/7	Sample S002	74	68	-8%	-2.09
19/7	Sample S001	240	226	-6%	-1.94

RDW -CV |061 XN-1



Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	13.2	12.9	-2.1%	-0.64
20/5	Sample S001	14.4	14.3	-0.9%	-0.29
20/3	Sample S002	15.2	15.2	-0.1%	-0.04
20/3	Sample S001	12.4	12.4	-0.4%	-0.23
20/1	Sample S002	14.8	14.4	-2.7%	-0.79
20/1	Sample S001	13.4	13.1	-2.0%	-0.57
19/11	Sample S002	15.4	15.0	-2.5%	-0.59
19/11	Sample S001	14.1	13.6	-3.4%	-0.89
19/9	Sample S002	13.4	13.2	-1.4%	-0.37
19/9	Sample S001	12.8	12.5	-2.7%	-0.80
19/7	Sample S002	13.0	12.7	-2.0%	-0.51
19/7	Sample S001	13.3	13.4	0.4%	0.10

RDW -SD |061 XN-1

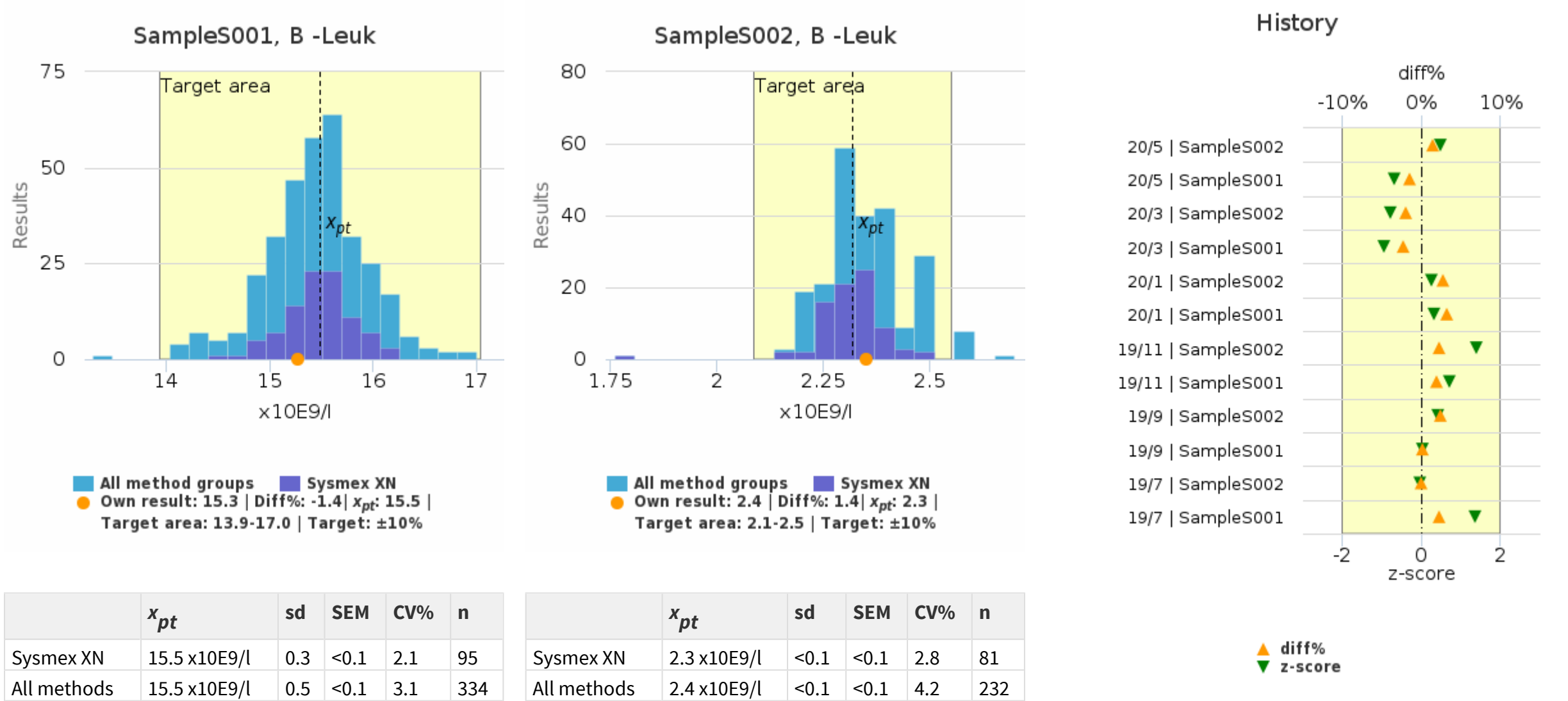


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	42.2 fl	1.9	0.2	4.5	86
All methods	42.4 fl	3.9	0.3	9.2	212

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	41.1 fl	1.8	0.2	4.4	73
All methods	40.6 fl	3.2	0.3	7.8	154

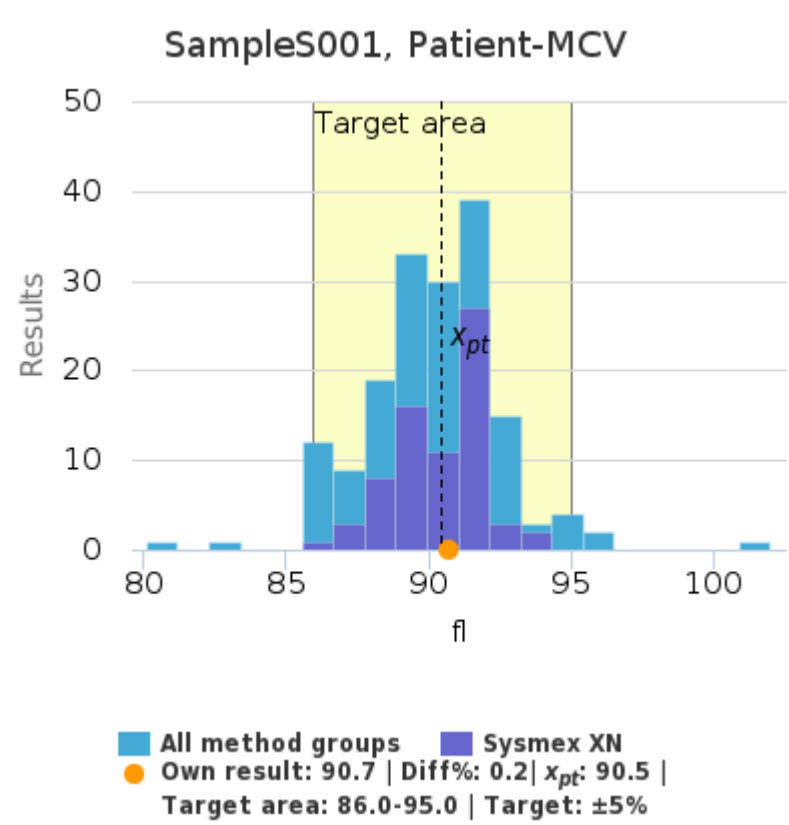
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	41.1	40.4	-1.7%	-0.40
20/5	Sample S001	42.2	41.4	-2.0%	-0.43
20/3	Sample S002	45.1	44.7	-0.8%	-0.49
20/3	Sample S001	38.9	39.1	0.5%	0.26
20/1	Sample S002	43.7	42.5	-2.7%	-0.64
20/1	Sample S001	40.7	39.8	-2.2%	-0.56
19/11	Sample S002	46.5	45.1	-3.0%	-0.60
19/11	Sample S001	44.7	42.7	-4.4%	-0.98
19/9	Sample S002	40.8	40.3	-1.2%	-0.26
19/9	Sample S001	40.5	40.1	-0.9%	-0.25
19/7	Sample S002	39.9	39.2	-1.8%	-0.44
19/7	Sample S001	39.8	40.1	0.8%	0.17

B -Leuk |061 XN-1



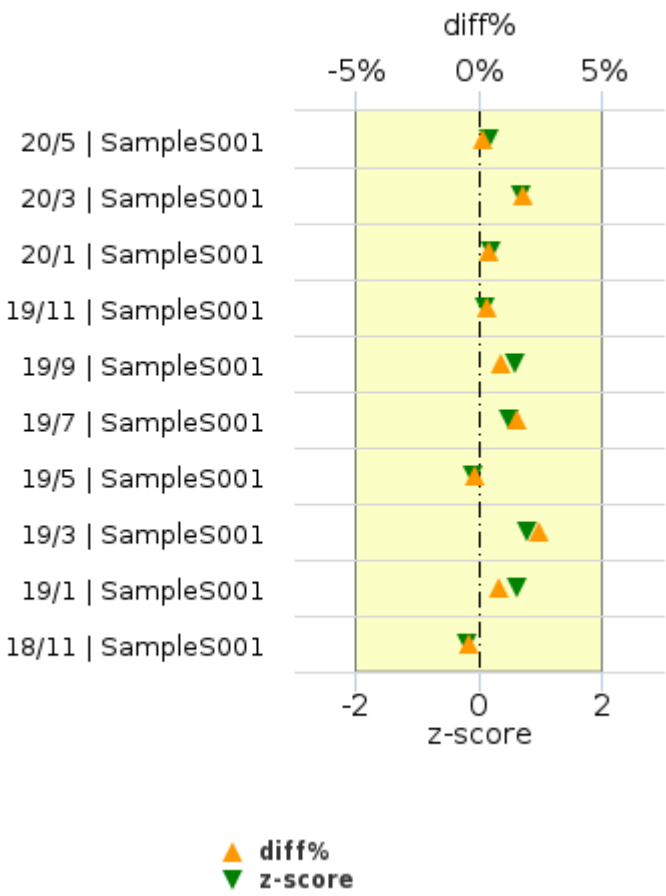
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	2.3	2.4	1.4%	0.49
20/5	Sample S001	15.5	15.3	-1.4%	-0.67
20/3	Sample S002	7.7	7.5	-1.9%	-0.77
20/3	Sample S001	2.9	2.9	-2.3%	-0.95
20/1	Sample S002	15.7	16.2	2.8%	0.27
20/1	Sample S001	8.4	8.7	3.3%	0.34
19/11	Sample S002	19.4	19.8	2.2%	1.40
19/11	Sample S001	2.3	2.4	1.9%	0.71
19/9	Sample S002	8.8	9.0	2.5%	0.42
19/9	Sample S001	3.2	3.2	0.1%	0.03
19/7	Sample S002	5.9	5.9	0.0%	-0.02
19/7	Sample S001	8.8	9.0	2.3%	1.36

Patient-MCV |062 XN-2



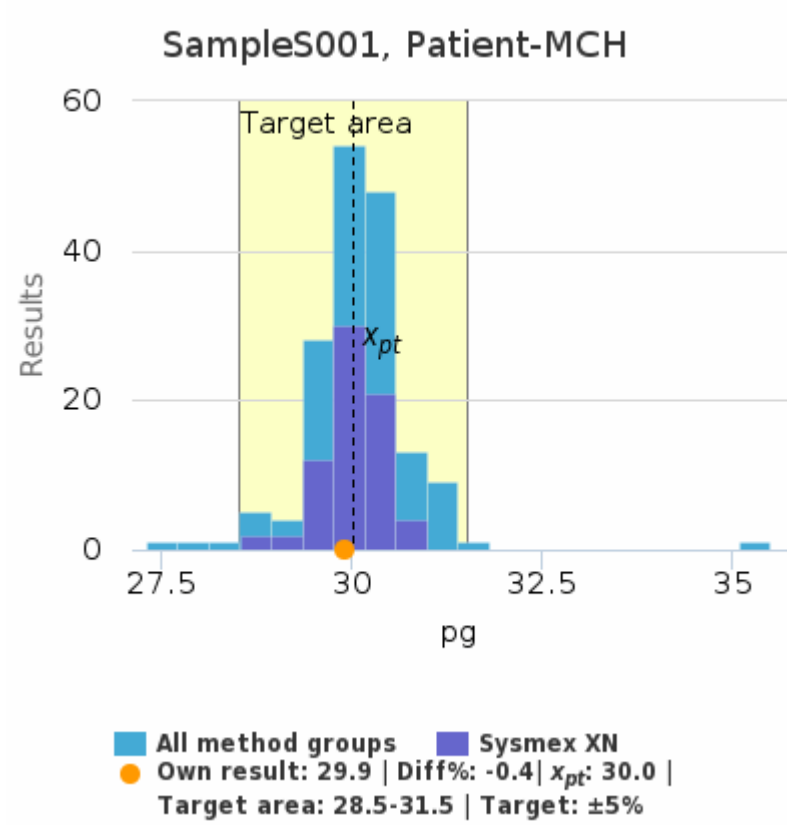
	x_{pt}	sd	SEM	CV%	n
Sysmex XN	90.5 fl	1.5	0.2	1.7	71
All methods	90.2 fl	2.1	0.2	2.4	169

History

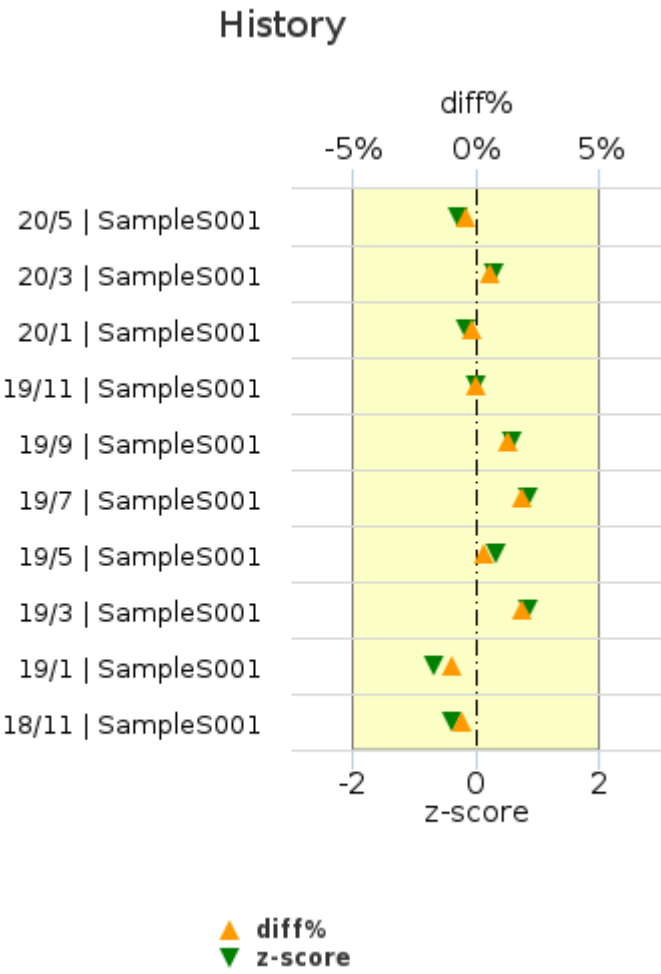


Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	90.5	90.7	0.2%	0.15
20/3	Sample S001	89.3	90.9	1.8%	0.68
20/1	Sample S001	90.1	90.4	0.4%	0.21
19/11	Sample S001	89.9	90.1	0.3%	0.09
19/9	Sample S001	89.4	90.2	0.9%	0.57
19/7	Sample S001	89.0	90.3	1.5%	0.48
19/5	Sample S001	90.4	90.2	-0.2%	-0.10
19/3	Sample S001	88.1	90.2	2.4%	0.78
19/1	Sample S001	90.2	91.0	0.8%	0.61
18/11	Sample S001	90.2	89.8	-0.4%	-0.18

Patient-MCH |062 XN-2

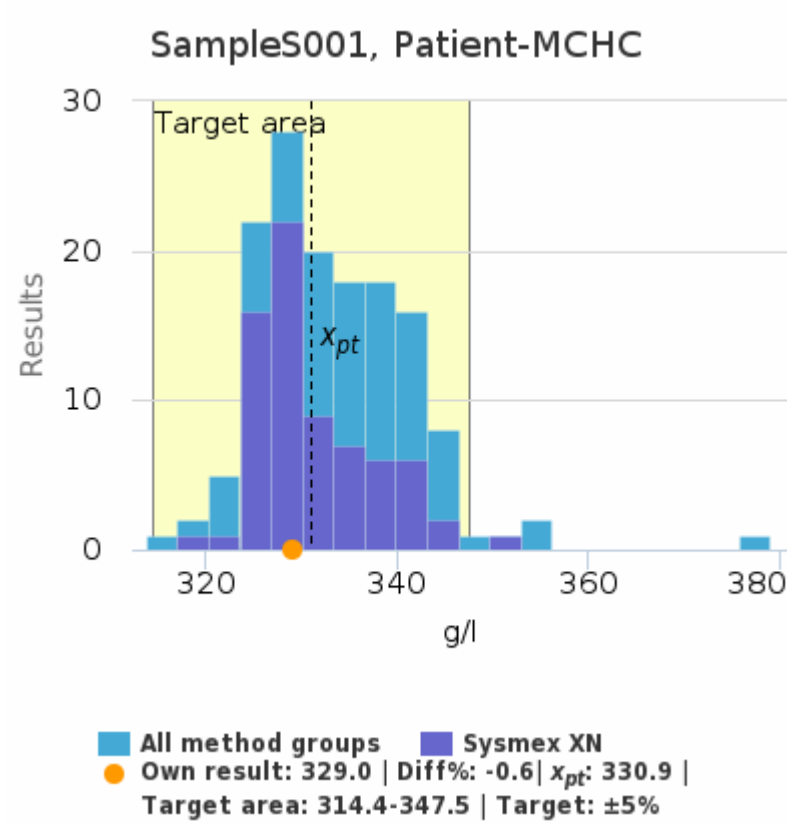


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	30.0 pg	0.4	<0.1	1.3	71
All methods	30.1 pg	0.5	<0.1	1.8	166

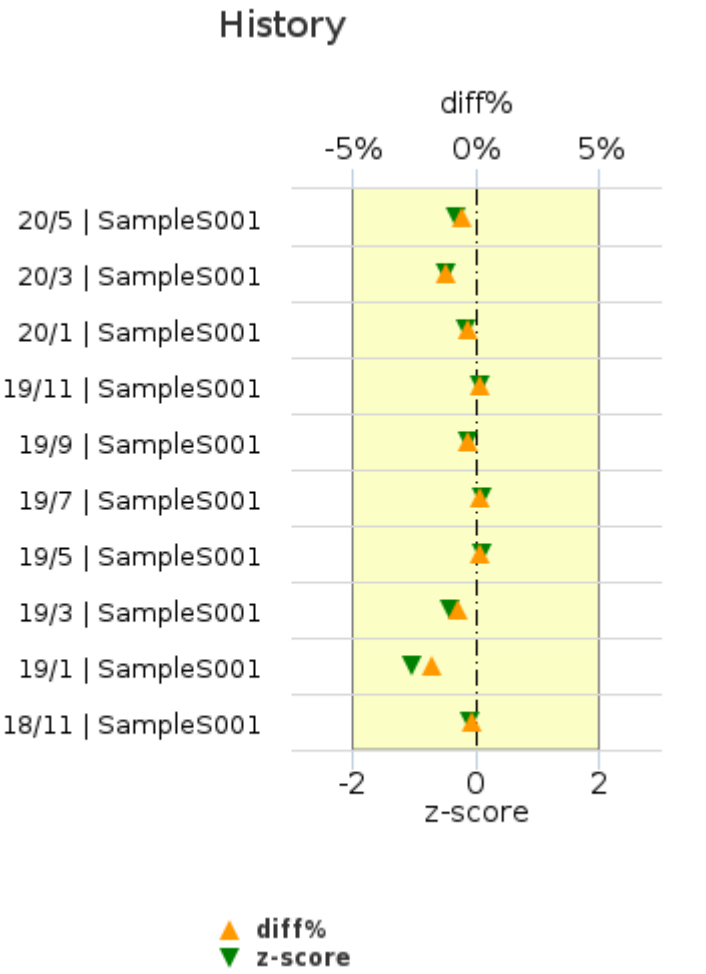


Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	30.0	29.9	-0.4%	-0.28
20/3	Sample S001	29.7	29.9	0.6%	0.30
20/1	Sample S001	30.0	29.9	-0.2%	-0.15
19/11	Sample S001	30.0	30.0	0.0%	0.01
19/9	Sample S001	29.8	30.2	1.3%	0.59
19/7	Sample S001	29.6	30.2	1.9%	0.83
19/5	Sample S001	29.9	30.0	0.3%	0.31
19/3	Sample S001	29.5	30.1	1.9%	0.85
19/1	Sample S001	30.0	29.7	-1.0%	-0.69
18/11	Sample S001	29.8	29.6	-0.6%	-0.39

Patient-MCHC |062 XN-2

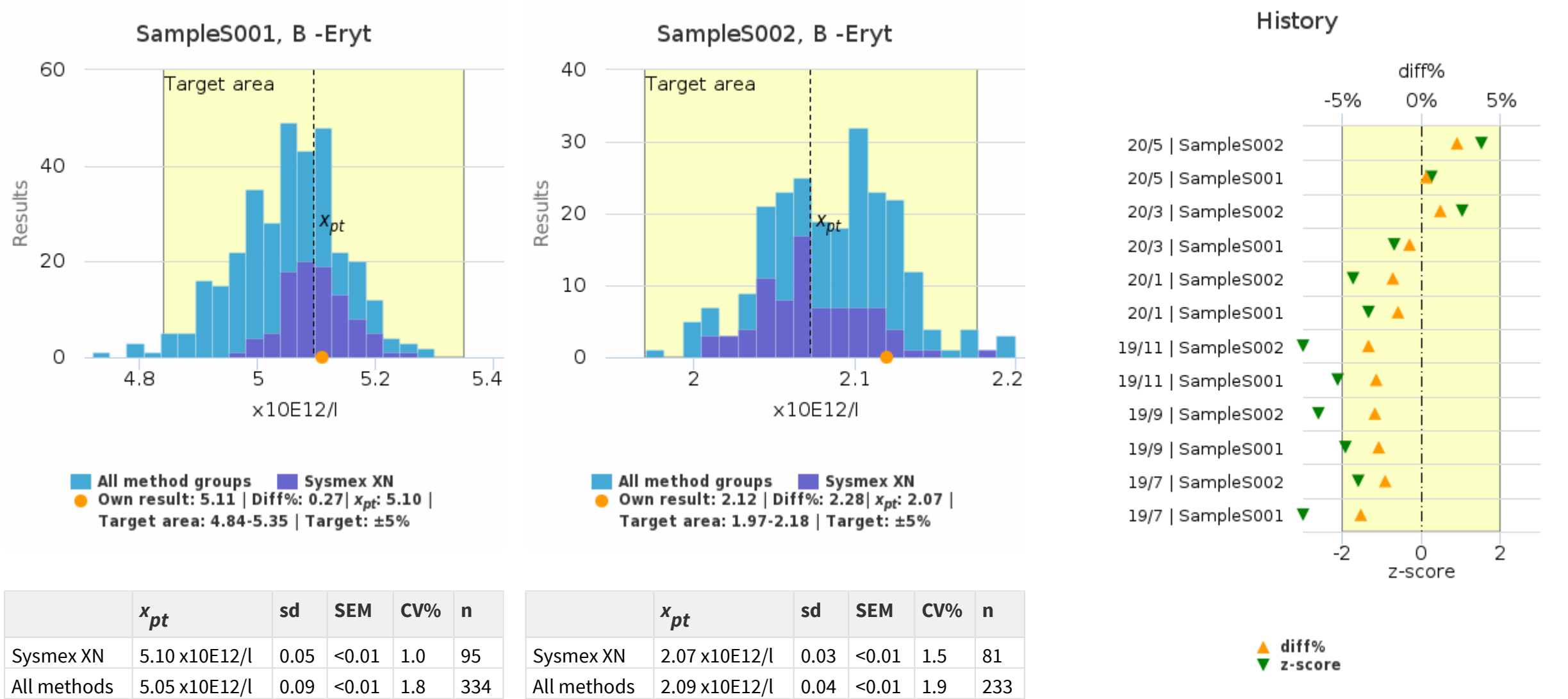


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	330.9 g/l	5.8	0.7	1.8	71
All methods	333.1 g/l	7.3	0.6	2.2	143



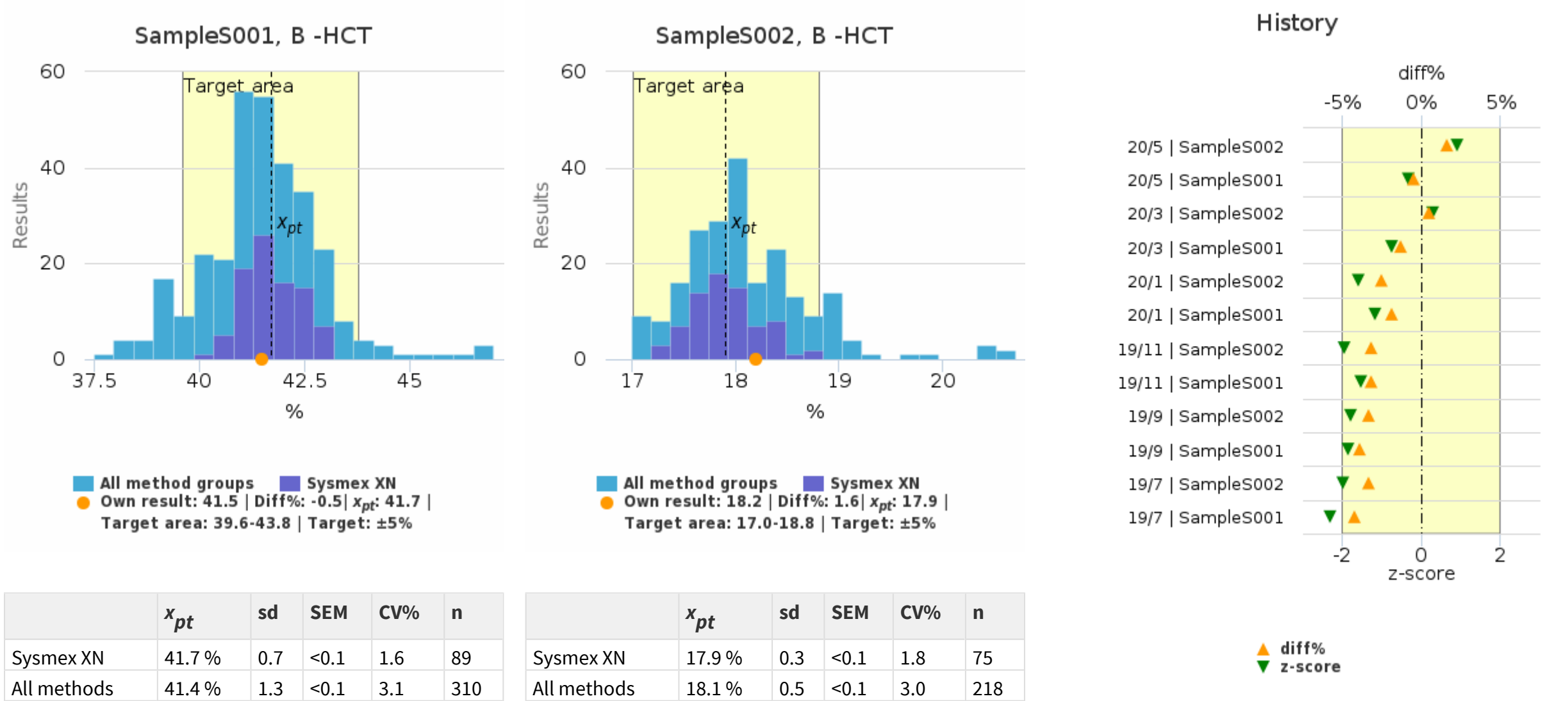
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S001	330.9	329.0	-0.6%	-0.33
20/3	Sample S001	332.0	328.0	-1.2%	-0.50
20/1	Sample S001	331.9	331.0	-0.3%	-0.16
19/11	Sample S001	331.4	332.0	0.2%	0.08
19/9	Sample S001	334.9	334.0	-0.3%	-0.13
19/7	Sample S001	332.3	333.0	0.2%	0.11
19/5	Sample S001	331.4	332.0	0.2%	0.11
19/3	Sample S001	335.4	333.0	-0.7%	-0.41
19/1	Sample S001	332.1	326.0	-1.8%	-1.05
18/11	Sample S001	329.6	329.0	-0.2%	-0.09

B -Eryt |062 XN-2



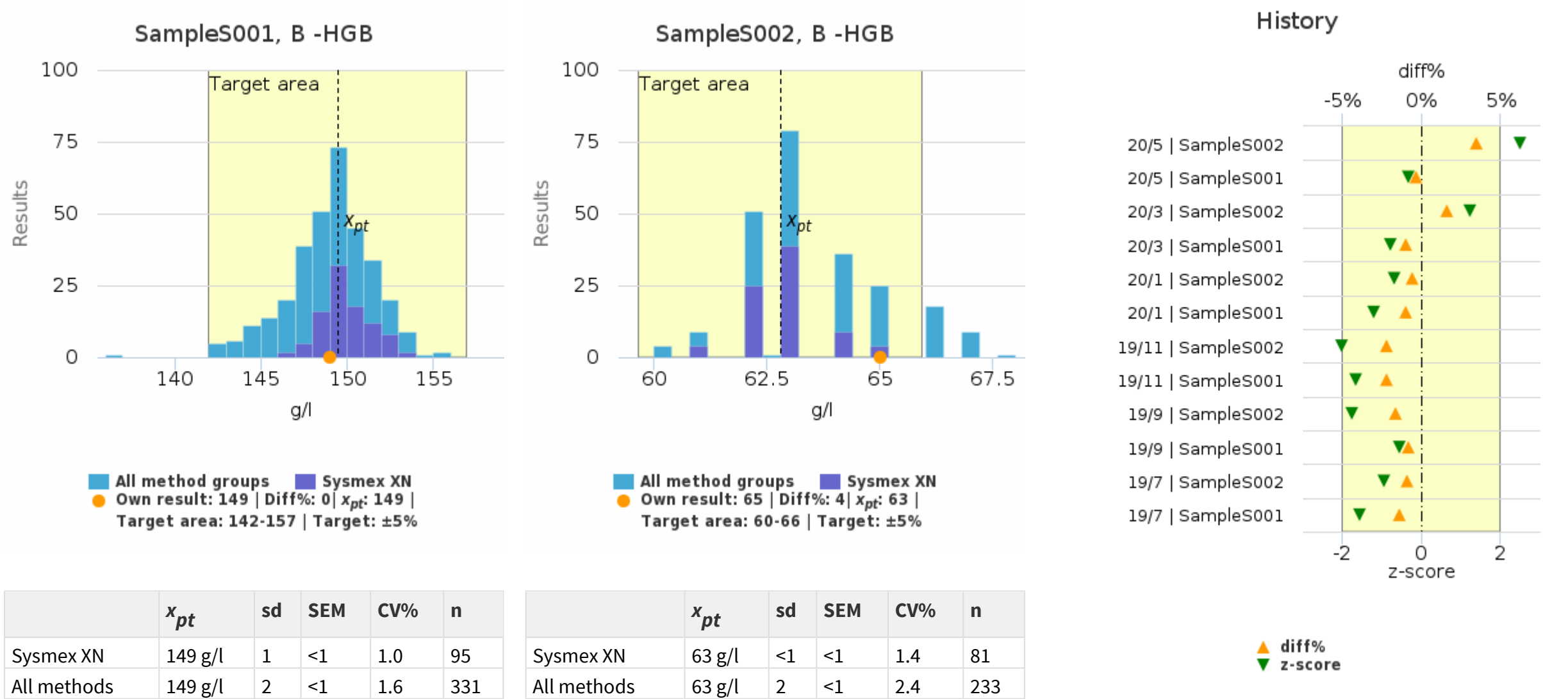
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	2.07	2.12	2.28%	1.53
20/5	Sample S001	5.10	5.11	0.27%	0.26
20/3	Sample S002	2.50	2.53	1.20%	1.05
20/3	Sample S001	2.05	2.03	-0.74%	-0.69
20/1	Sample S002	5.58	5.48	-1.82%	-1.71
20/1	Sample S001	4.58	4.51	-1.49%	-1.34
19/11	Sample S002	4.94	4.78	-3.26%	-3.14
19/11	Sample S001	2.06	2.00	-2.79%	-2.11
19/9	Sample S002	4.55	4.42	-2.86%	-2.58
19/9	Sample S001	1.98	1.93	-2.72%	-1.91
19/7	Sample S002	5.21	5.09	-2.28%	-1.59
19/7	Sample S001	4.55	4.38	-3.77%	-3.47

B -HCT |062 XN-2



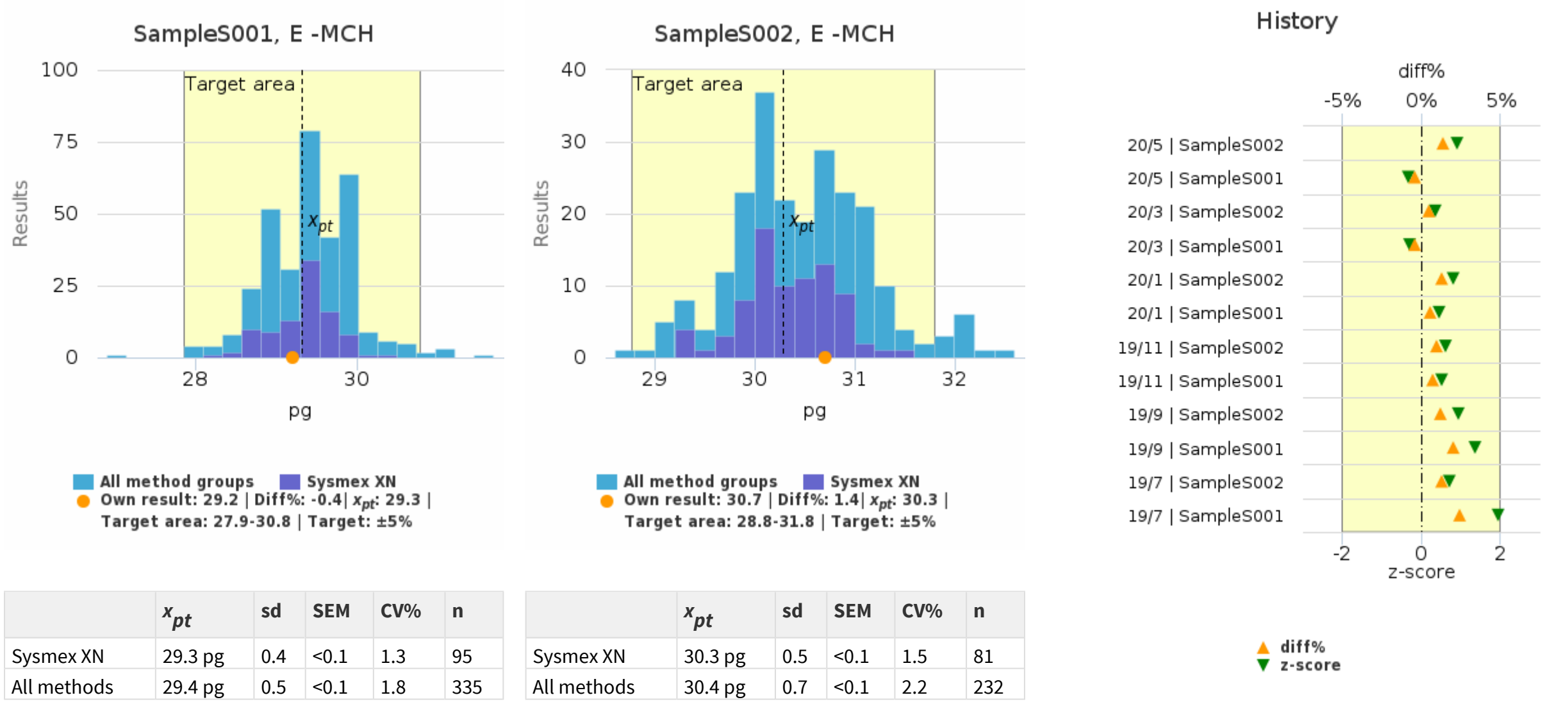
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	17.9	18.2	1.6%	0.91
20/5	Sample S001	41.7	41.5	-0.5%	-0.32
20/3	Sample S002	20.4	20.5	0.5%	0.28
20/3	Sample S001	17.6	17.4	-1.3%	-0.73
20/1	Sample S002	46.4	45.2	-2.5%	-1.60
20/1	Sample S001	38.6	37.9	-1.9%	-1.18
19/11	Sample S002	41.2	39.9	-3.2%	-1.93
19/11	Sample S001	18.0	17.4	-3.2%	-1.51
19/9	Sample S002	38.4	37.1	-3.3%	-1.77
19/9	Sample S001	17.3	16.6	-3.9%	-1.85
19/7	Sample S002	44.8	43.3	-3.3%	-1.99
19/7	Sample S001	37.7	36.1	-4.2%	-2.30

B -HGB |062 XN-2



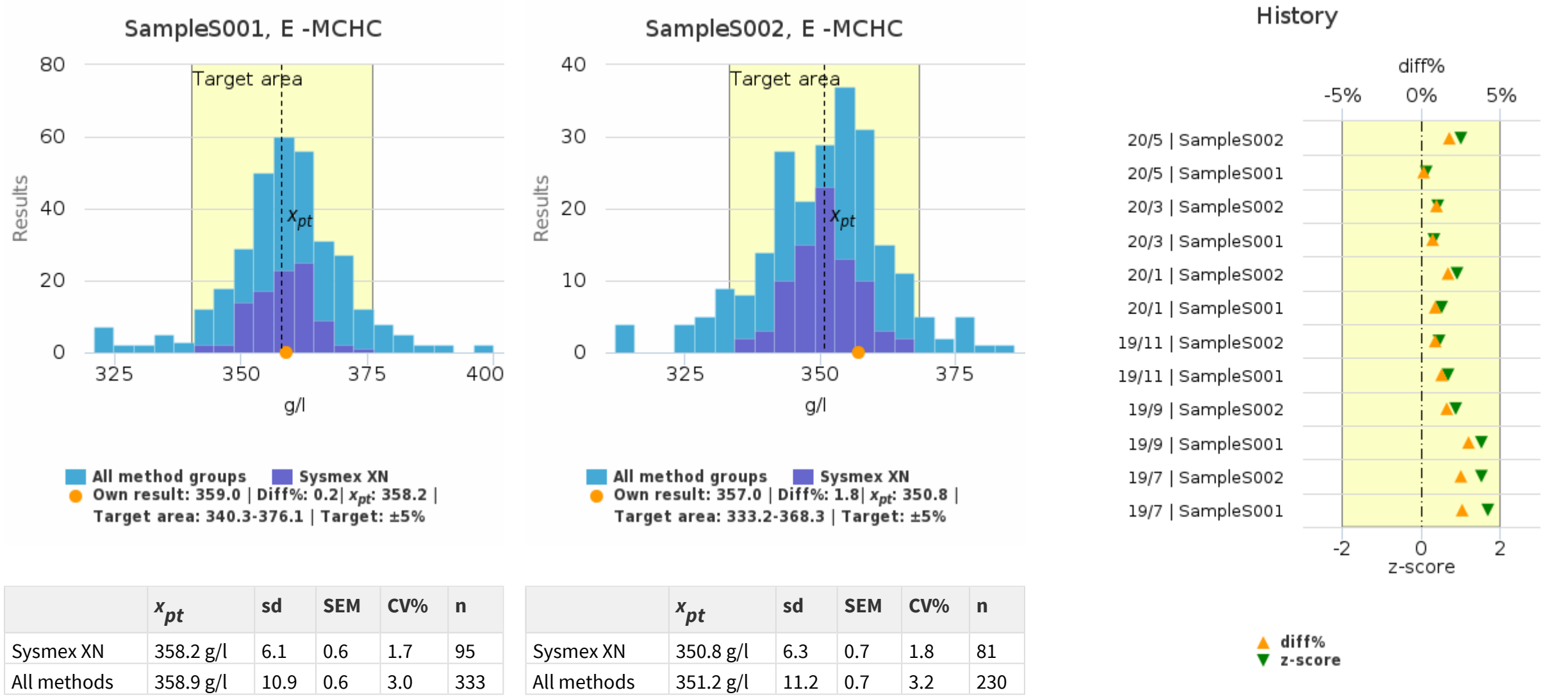
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	63	65	4%	2.49
20/5	Sample S001	149	149	0%	-0.32
20/3	Sample S002	72	73	2%	1.24
20/3	Sample S001	62	61	-1%	-0.79
20/1	Sample S002	163	162	-1%	-0.68
20/1	Sample S001	137	136	-1%	-1.21
19/11	Sample S002	146	143	-2%	-2.02
19/11	Sample S001	62	61	-2%	-1.66
19/9	Sample S002	137	135	-2%	-1.74
19/9	Sample S001	59	59	-1%	-0.56
19/7	Sample S002	159	158	-1%	-0.95
19/7	Sample S001	135	133	-1%	-1.57

E -MCH |062 XN-2



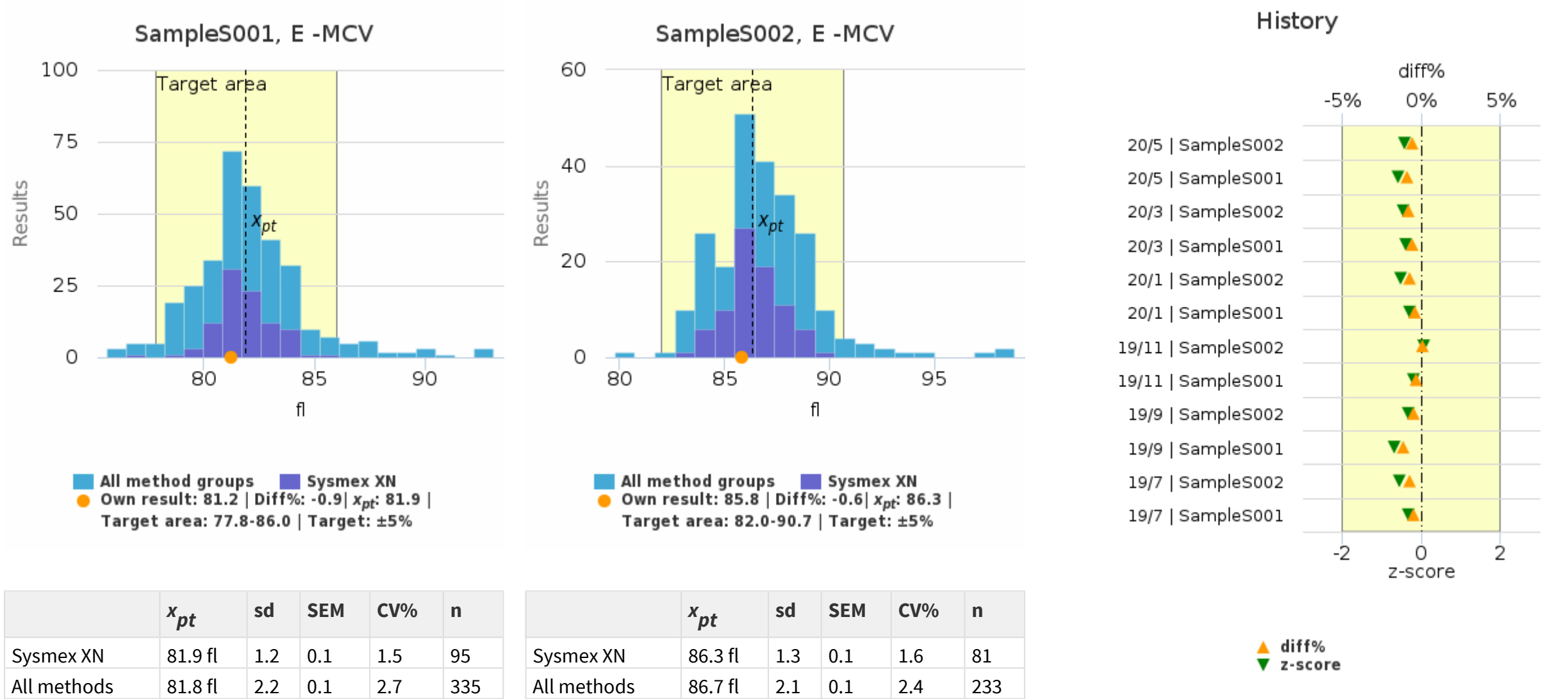
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	30.3	30.7	1.4%	0.90
20/5	Sample S001	29.3	29.2	-0.4%	-0.31
20/3	Sample S002	28.7	28.9	0.5%	0.36
20/3	Sample S001	30.1	30.0	-0.4%	-0.28
20/1	Sample S002	29.2	29.6	1.3%	0.80
20/1	Sample S001	30.0	30.2	0.6%	0.47
19/11	Sample S002	29.6	29.9	1.0%	0.62
19/11	Sample S001	30.3	30.5	0.7%	0.51
19/9	Sample S002	30.2	30.5	1.2%	0.93
19/9	Sample S001	30.0	30.6	2.0%	1.35
19/7	Sample S002	30.6	31.0	1.3%	0.72
19/7	Sample S001	29.7	30.4	2.4%	1.95

E -MCHC |062 XN-2



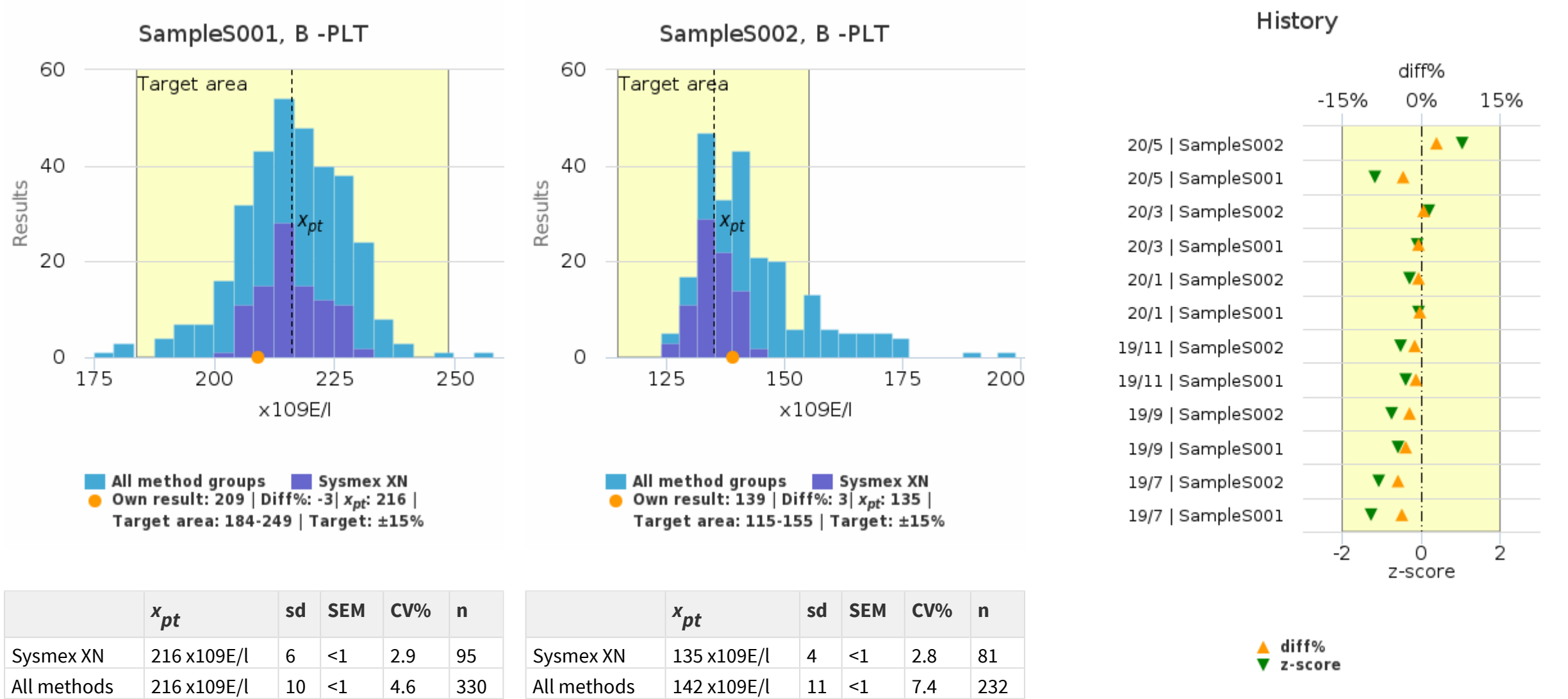
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	350.8	357.0	1.8%	1.00
20/5	Sample S001	358.2	359.0	0.2%	0.14
20/3	Sample S002	352.3	356.0	1.0%	0.42
20/3	Sample S001	348.6	351.0	0.7%	0.32
20/1	Sample S002	352.0	358.0	1.7%	0.92
20/1	Sample S001	355.9	359.0	0.9%	0.51
19/11	Sample S002	354.7	358.0	0.9%	0.45
19/11	Sample S001	346.4	351.0	1.3%	0.68
19/9	Sample S002	358.3	364.0	1.6%	0.88
19/9	Sample S001	344.6	355.0	3.0%	1.52
19/7	Sample S002	355.9	365.0	2.5%	1.52
19/7	Sample S001	358.6	368.0	2.6%	1.69

E -MCV |062 XN-2



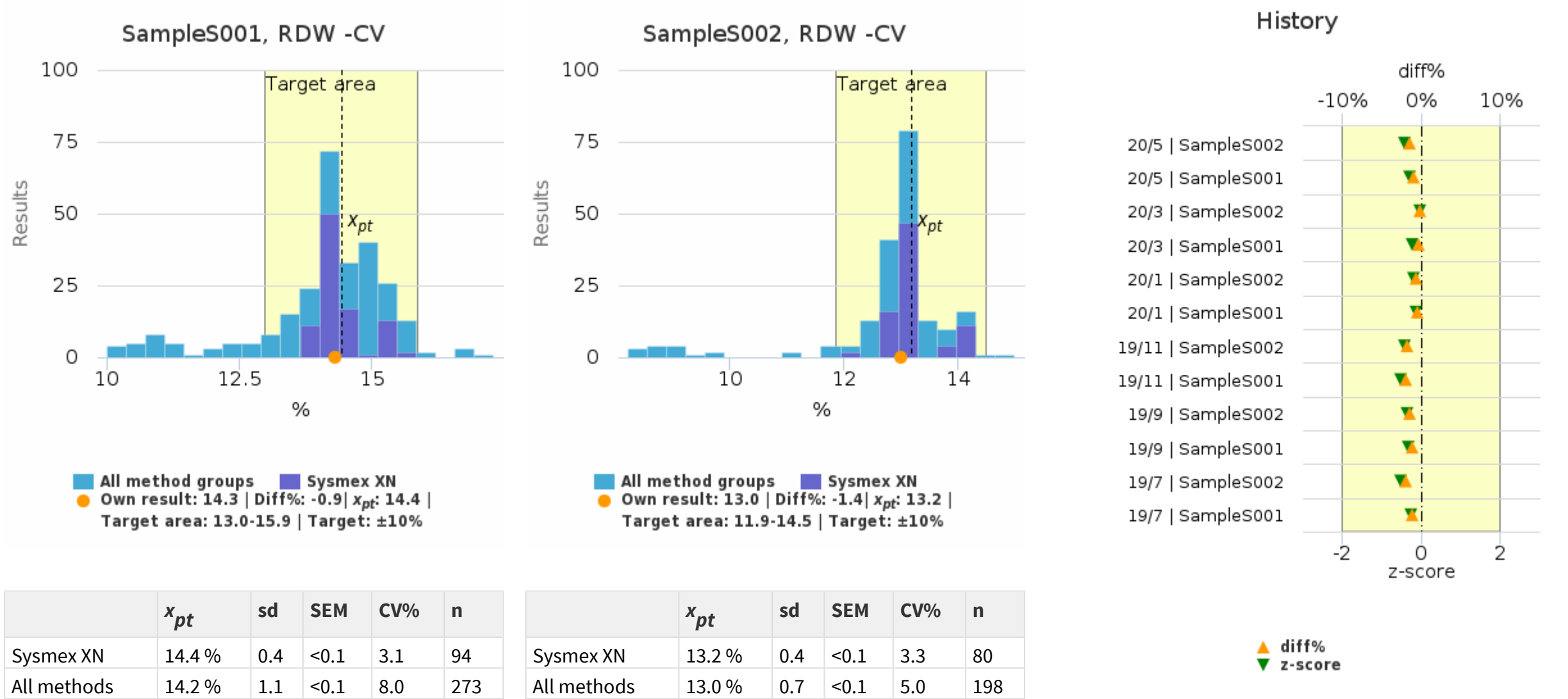
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	86.3	85.8	-0.6%	-0.41
20/5	Sample S001	81.9	81.2	-0.9%	-0.58
20/3	Sample S002	81.6	81.0	-0.8%	-0.44
20/3	Sample S001	86.3	85.7	-0.6%	-0.39
20/1	Sample S002	83.1	82.5	-0.7%	-0.52
20/1	Sample S001	84.3	84.0	-0.4%	-0.29
19/11	Sample S002	83.4	83.5	0.1%	0.05
19/11	Sample S001	87.3	87.0	-0.3%	-0.20
19/9	Sample S002	84.3	83.9	-0.5%	-0.31
19/9	Sample S001	87.0	86.0	-1.1%	-0.69
19/7	Sample S002	85.7	85.1	-0.7%	-0.56
19/7	Sample S001	82.8	82.4	-0.5%	-0.33

B -PLT |062 XN-2



Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	135	139	3%	1.05
20/5	Sample S001	216	209	-3%	-1.17
20/3	Sample S002	444	446	0%	0.18
20/3	Sample S001	46	46	0%	-0.10
20/1	Sample S002	420	417	-1%	-0.30
20/1	Sample S001	241	241	0%	-0.08
19/11	Sample S002	441	436	-1%	-0.51
19/11	Sample S001	141	140	-1%	-0.39
19/9	Sample S002	237	232	-2%	-0.74
19/9	Sample S001	43	42	-3%	-0.60
19/7	Sample S002	74	71	-4%	-1.07
19/7	Sample S001	240	231	-4%	-1.25

RDW -CV |062 XN-2

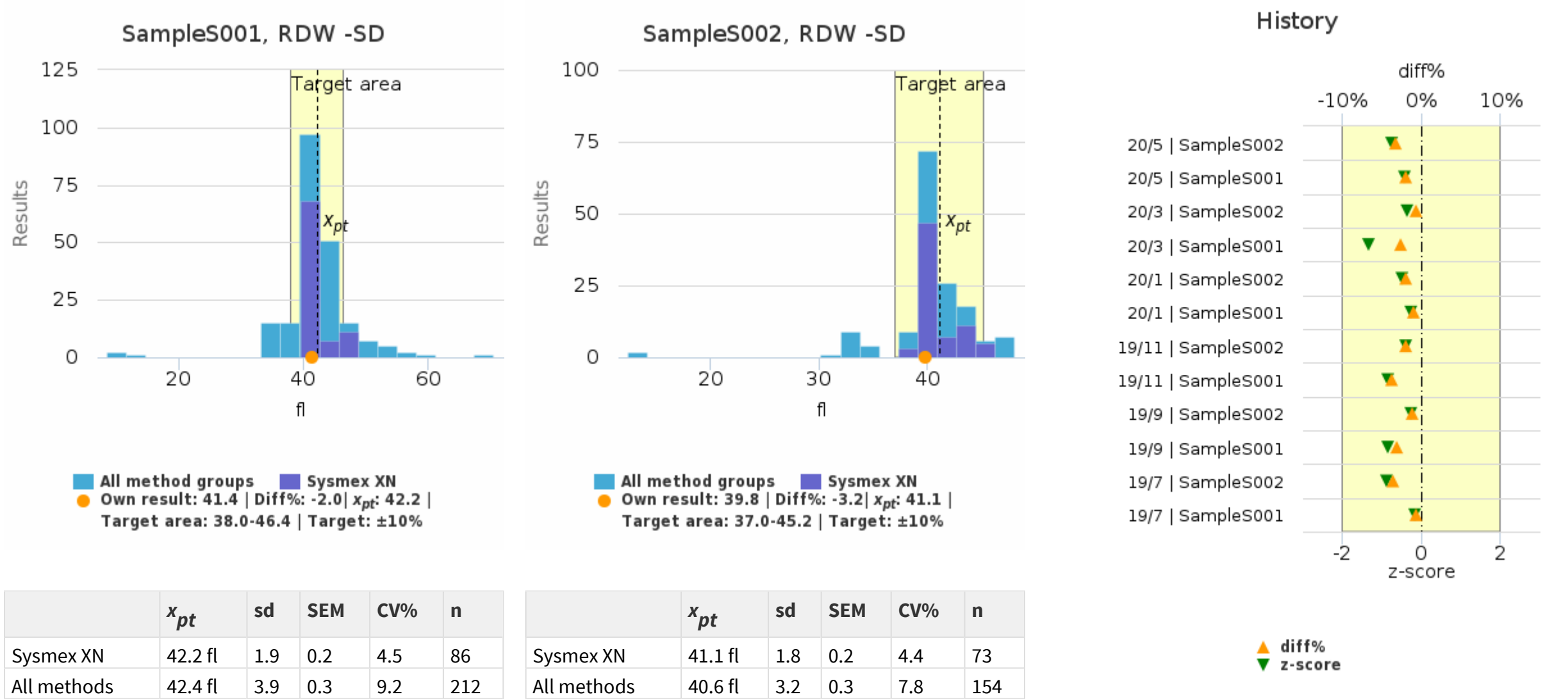


	x_{pt}	sd	SEM	CV%	n
Sysmex XN	14.4 %	0.4	<0.1	3.1	94
All methods	14.2 %	1.1	<0.1	8.0	273

	x_{pt}	sd	SEM	CV%	n
Sysmex XN	13.2 %	0.4	<0.1	3.3	80
All methods	13.0 %	0.7	<0.1	5.0	198

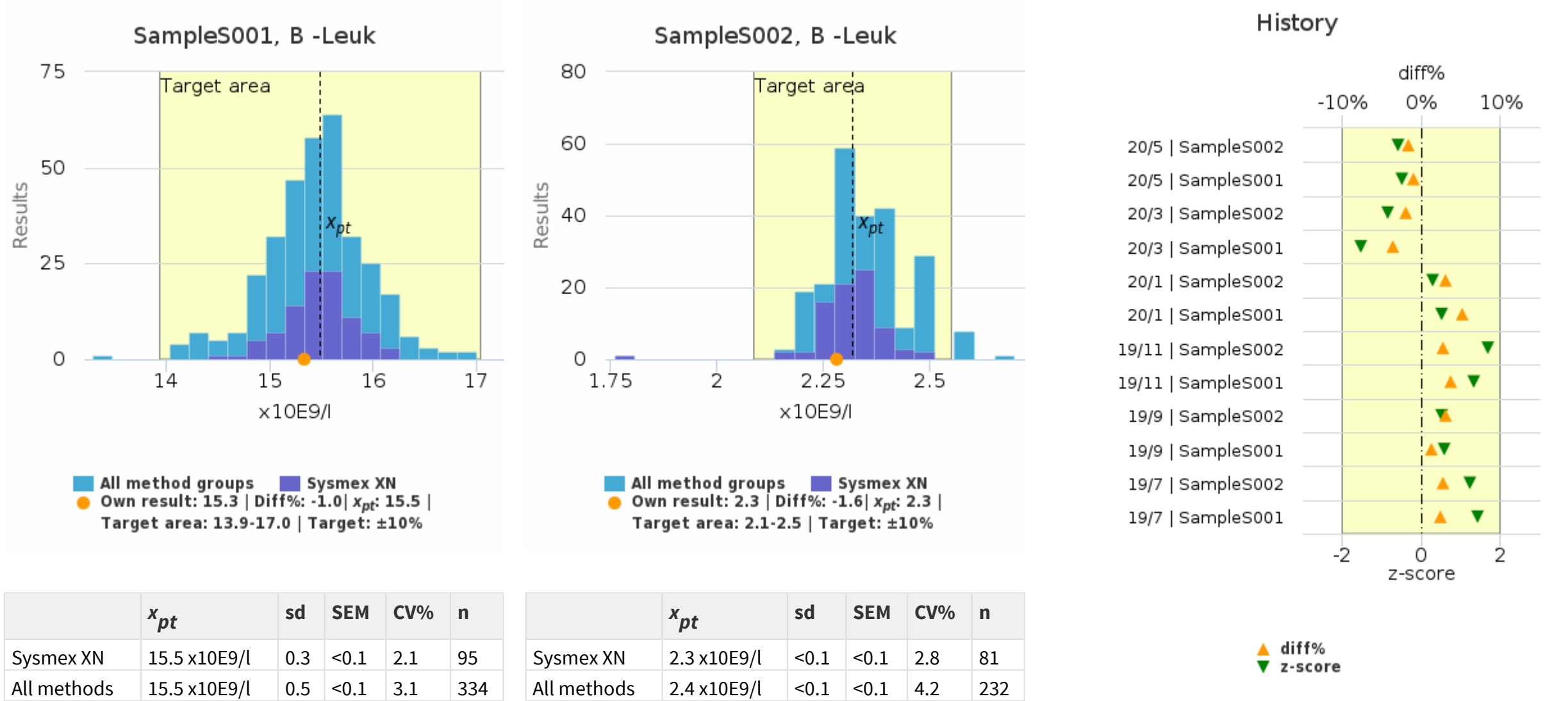
Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	13.2	13.0	-1.4%	-0.41
20/5	Sample S001	14.4	14.3	-0.9%	-0.29
20/3	Sample S002	15.2	15.2	-0.1%	-0.04
20/3	Sample S001	12.4	12.4	-0.4%	-0.23
20/1	Sample S002	14.8	14.7	-0.6%	-0.19
20/1	Sample S001	13.4	13.3	-0.5%	-0.14
19/11	Sample S002	15.4	15.1	-1.8%	-0.43
19/11	Sample S001	14.1	13.8	-1.9%	-0.51
19/9	Sample S002	13.4	13.2	-1.4%	-0.37
19/9	Sample S001	12.8	12.7	-1.1%	-0.34
19/7	Sample S002	13.0	12.7	-2.0%	-0.51
19/7	Sample S001	13.3	13.2	-1.1%	-0.25

RDW -SD |062 XN-2



Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	41.1	39.8	-3.2%	-0.73
20/5	Sample S001	42.2	41.4	-2.0%	-0.43
20/3	Sample S002	45.1	44.8	-0.6%	-0.35
20/3	Sample S001	38.9	37.9	-2.6%	-1.33
20/1	Sample S002	43.7	42.8	-2.0%	-0.48
20/1	Sample S001	40.7	40.3	-1.0%	-0.25
19/11	Sample S002	46.5	45.6	-1.9%	-0.39
19/11	Sample S001	44.7	43.0	-3.8%	-0.84
19/9	Sample S002	40.8	40.3	-1.2%	-0.26
19/9	Sample S001	40.5	39.2	-3.1%	-0.84
19/7	Sample S002	39.9	38.5	-3.6%	-0.86
19/7	Sample S001	39.8	39.5	-0.7%	-0.15

B -Leuk |062 XN-2



Round	Sample	x_{pt}	Result	diff%	z-score
20/5	Sample S002	2.3	2.3	-1.6%	-0.59
20/5	Sample S001	15.5	15.3	-1.0%	-0.49
20/3	Sample S002	7.7	7.5	-2.0%	-0.83
20/3	Sample S001	2.9	2.8	-3.6%	-1.52
20/1	Sample S002	15.7	16.2	3.0%	0.29
20/1	Sample S001	8.4	8.9	5.2%	0.53
19/11	Sample S002	19.4	19.9	2.7%	1.70
19/11	Sample S001	2.3	2.4	3.7%	1.32
19/9	Sample S002	8.8	9.1	3.1%	0.52
19/9	Sample S001	3.2	3.2	1.3%	0.59
19/7	Sample S002	5.9	6.1	2.7%	1.23
19/7	Sample S001	8.8	9.0	2.4%	1.42

Report info

Participants

253 participants from 15 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 " EQAS 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
Abacus	16.1	16.1	0.4	2.6	0.3	15.8	16.4	-	2
ABX Micros, Micros CRP, Pentra	14.9	15.0	0.6	4.0	0.1	13.3	15.7	-	26
Cell-Dyn Emerald	14.6	14.5	0.2	1.2	0.1	14.5	14.8	-	3
Cell-Dyn 3200, Ruby	-	-	-	-	-	15.8	15.8	-	1
Celltac MEK	-	-	-	-	-	15.7	15.7	-	1
Coulter DxH	15.2	15.2	0.2	1.4	<0.1	14.8	15.4	-	7
Coulter T, Tc, J, MD, AcT, LH 750	15.8	15.5	0.7	4.5	0.3	15.3	17.0	-	5
Microsemi CRP	15.3	15.3	0.4	2.6	<0.1	14.4	16.1	-	41
Mindray	16.0	16.1	0.6	3.8	0.2	14.8	16.9	-	11
Mythic 22	-	-	-	-	-	15.0	15.0	-	1
Siemens Advia 120, 2120, 2120i	15.2	15.2	1.0	6.2	0.4	14.3	16.8	-	5
Sysmex K, M, KX.21, XP-300	15.5	15.6	0.3	2.0	<0.1	14.7	16.1	-	42
Sysmex pOCH 100i	15.3	15.4	0.3	2.0	<0.1	14.8	16.0	-	36
Sysmex XE, XS, XT	15.7	15.7	0.6	4.0	0.1	14.1	16.7	-	34
Sysmex XN	15.5	15.5	0.3	2.1	<0.1	14.5	16.2	-	95
Sysmex XN-L	15.9	15.9	0.3	2.0	<0.1	15.0	16.5	-	21
Yumizen H500	15.1	14.8	0.6	4.1	0.4	14.7	15.8	-	3
All	15.5	15.5	0.5	3.1	<0.1	14.1	16.9	2	334

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
Abacus	5.10	5.10	<0.01	<0.1	<0.01	5.10	5.10	-	2
ABX Micros, Micros CRP, Pentra	5.02	5.05	0.11	2.2	0.02	4.72	5.21	-	26
Cell-Dyn Emerald	5.03	5.06	0.15	3.0	0.09	4.86	5.16	-	3
Cell-Dyn 3200, Ruby	-	-	-	-	-	5.12	5.12	-	1
Celltac MEK	-	-	-	-	-	4.89	4.89	-	1
Coulter DxH	4.94	4.92	0.07	1.4	0.03	4.85	5.06	-	7
Coulter T, Tc, J, MD, AcT, LH 750	5.03	5.04	0.06	1.1	0.03	4.95	5.10	-	5
Microsemi CRP	5.03	5.03	0.09	1.8	0.01	4.80	5.19	-	41
Mindray	5.08	5.07	0.11	2.2	0.03	4.90	5.28	-	11
Mythic 22	-	-	-	-	-	5.06	5.06	-	1
Siemens Advia 120, 2120, 2120i	5.01	5.03	0.04	0.8	0.02	4.96	5.05	-	5
Sysmex K, M, KX.21, XP-300	4.98	4.98	0.06	1.2	<0.01	4.83	5.10	-	42
Sysmex pOCH 100i	5.05	5.02	0.11	2.1	0.02	4.80	5.30	-	36
Sysmex XE, XS, XT	5.06	5.06	0.07	1.5	0.01	4.90	5.25	1	34
Sysmex XN	5.10	5.09	0.05	1.0	<0.01	4.97	5.22	1	95
Sysmex XN-L	5.11	5.10	0.08	1.5	0.02	4.97	5.27	-	21
Yumizen H500	5.06	5.06	0.02	0.4	0.01	5.04	5.08	-	3
All	5.05	5.06	0.09	1.8	<0.01	4.80	5.30	1	334

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
Abacus	144	144	<1	0.5	<1	143	144	-	2
ABX Micros, Micros CRP, Pentra	149	149	2	1.7	<1	144	153	-	24
Cell-Dyn Emerald	148	149	5	3.4	3	143	153	-	3
Cell-Dyn 3200, Ruby	-	-	-	-	-	149	149	-	1
Celltac MEK	-	-	-	-	-	151	151	-	1
Coulter DxH	143	144	1	1.0	<1	142	145	-	7
Coulter T, Tc, J, MD, AcT, LH 750	147	148	3	1.8	1	142	148	-	5
Microsemi CRP	148	148	2	1.3	<1	143	153	-	41
Mindray	152	152	2	1.3	<1	150	156	-	11
Mythic 22	-	-	-	-	-	136	136	-	1
Siemens Advia 120, 2120, 2120i	149	150	2	1.5	<1	146	151	-	5
Sysmex K, M, KX.21, XP-300	147	147	2	1.3	<1	142	150	-	42
Sysmex pOCH 100i	149	149	3	1.7	<1	143	152	-	36
Sysmex XE, XS, XT	149	149	2	1.6	<1	144	153	-	34
Sysmex XN	149	149	1	1.0	<1	146	153	-	95
Sysmex XN-L	149	150	1	0.8	<1	147	152	-	21
Yumizen H500	148	148	2	1.4	2	146	149	-	2
All	149	149	2	1.6	<1	142	156	1	331

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
Abacus	44.4	44.4	0.2	0.5	0.2	44.2	44.5	-	2
ABX Micros, Micros CRP, Pentra	41.8	41.8	0.8	1.9	0.2	40.3	43.1	-	21
Cell-Dyn Emerald	44.5	44.0	1.2	2.6	0.7	43.6	45.8	-	3
Cell-Dyn 3200, Ruby	-	-	-	-	-	39.1	39.1	-	1
Celltac MEK	-	-	-	-	-	43.6	43.6	-	1
Coulter DxH	42.7	42.7	0.4	1.1	0.2	42.1	43.4	-	7
Coulter T, Tc, J, MD, AcT, LH 750	42.4	42.2	1.1	2.5	0.5	41.3	43.8	-	4
Microsemi CRP	41.8	41.7	0.9	2.1	0.1	40.0	43.4	-	40
Mindray	44.5	44.2	1.9	4.2	0.6	42.3	47.0	-	11
Mythic 22	-	-	-	-	-	42.4	42.4	-	1
Siemens Advia 120, 2120, 2120i	38.4	38.4	0.7	1.7	0.3	37.5	39.1	-	5
Sysmex K, M, KX.21, XP-300	39.3	39.0	0.6	1.4	<0.1	38.0	40.6	-	35
Sysmex pOCH 100i	41.3	41.0	0.8	2.0	0.1	40.0	43.6	1	35
Sysmex XE, XS, XT	41.1	41.1	0.9	2.2	0.2	39.6	43.3	1	33
Sysmex XN	41.7	41.6	0.7	1.6	<0.1	40.2	43.0	-	89
Sysmex XN-L	41.4	41.3	0.8	1.9	0.2	40.0	43.1	-	20
Yumizen H500	42.6	42.6	0.6	1.3	0.4	42.2	43.0	-	2
All	41.4	41.4	1.3	3.1	<0.1	37.5	45.3	5	310

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

Sample S001 | E -MCV, fl

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
Abacus	87.1	87.1	0.6	0.6	0.4	86.7	87.5	-	2
ABX Micros, Micros CRP, Pentra	82.5	82.0	1.3	1.6	0.3	81.0	86.0	1	26
Cell-Dyn Emerald	88.5	88.8	1.4	1.6	0.8	87.0	89.7	-	3
Cell-Dyn 3200, Ruby	-	-	-	-	-	76.2	76.2	-	1
Celltac MEK	-	-	-	-	-	89.1	89.1	-	1
Coulter DxH	87.2	86.7	2.1	2.4	0.8	84.8	90.9	-	7
Coulter T, Tc, J, MD, AcT, LH 750	83.5	83.9	1.7	2.0	0.7	81.7	85.8	-	5
Microsemi CRP	83.0	83.0	1.1	1.3	0.2	81.0	86.0	-	41
Mindray	87.7	86.3	3.7	4.2	1.1	83.2	93.1	-	11
Mythic 22	-	-	-	-	-	84.0	84.0	-	1
Siemens Advia 120, 2120, 2120i	76.6	76.5	0.7	1.0	0.3	75.6	77.4	-	5
Sysmex K, M, KX.21, XP-300	79.1	79.0	0.7	0.9	0.1	77.3	80.7	1	42
Sysmex pOCH 100i	81.8	81.8	0.8	1.0	0.1	80.0	84.0	1	36
Sysmex XE, XS, XT	81.2	81.0	1.4	1.7	0.2	79.0	84.4	2	34
Sysmex XN	81.9	81.8	1.2	1.5	0.1	79.0	85.4	1	95
Sysmex XN-L	81.1	81.0	1.1	1.3	0.2	78.8	83.3	1	22
Yumizen H500	84.0	84.0	1.0	1.1	0.5	83.1	85.0	-	3
All	81.8	81.8	2.2	2.7	0.1	75.6	89.1	7	335

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
Abacus	28.5	28.5	0.5	1.7	0.4	28.1	28.8	-	2
ABX Micros, Micros CRP, Pentra	29.6	29.7	0.7	2.4	0.1	28.0	31.1	-	26
Cell-Dyn Emerald	29.4	29.4	0.6	1.9	0.3	28.9	30.0	-	3
Cell-Dyn 3200, Ruby	-	-	-	-	-	29.2	29.2	-	1
Celltac MEK	-	-	-	-	-	30.8	30.8	-	1
Coulter DxH	29.3	29.3	0.9	3.2	0.4	28.0	30.5	-	7
Coulter T, Tc, J, MD, AcT, LH 750	29.4	29.4	0.4	1.5	0.2	28.9	30.0	-	5
Microsemi CRP	29.5	29.4	0.6	1.9	<0.1	28.5	31.0	-	41
Mindray	30.0	30.0	0.5	1.5	0.1	29.5	31.0	-	11
Mythic 22	-	-	-	-	-	26.9	26.9	-	1
Siemens Advia 120, 2120, 2120i	29.7	29.9	0.5	1.7	0.2	28.9	30.2	-	5
Sysmex K, M, KX.21, XP-300	29.5	29.5	0.4	1.4	<0.1	28.5	30.1	1	42
Sysmex pOCH 100i	29.4	29.4	0.6	2.0	<0.1	28.0	30.1	-	36
Sysmex XE, XS, XT	29.4	29.4	0.5	1.6	<0.1	28.0	30.2	1	34
Sysmex XN	29.3	29.3	0.4	1.3	<0.1	28.2	30.3	-	95
Sysmex XN-L	29.2	29.2	0.4	1.2	<0.1	28.5	29.8	-	22
Yumizen H500	29.2	29.3	0.3	1.1	0.2	28.8	29.4	-	3
All	29.4	29.4	0.5	1.8	<0.1	28.0	31.0	3	335

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
Abacus	323.0	323.0	1.4	0.4	1.0	322.0	324.0	-	2
ABX Micros, Micros CRP, Pentra	357.2	357.5	10.2	2.8	2.0	337.0	378.0	-	26
Cell-Dyn Emerald	333.3	328.0	11.9	3.6	6.9	325.0	347.0	-	3
Cell-Dyn 3200, Ruby	-	-	-	-	-	383.0	383.0	-	1
Celltac MEK	-	-	-	-	-	346.0	346.0	-	1
Coulter DxH	335.2	335.0	4.5	1.4	1.7	329.0	343.6	-	7
Coulter T, Tc, J, MD, AcT, LH 750	350.4	352.0	8.8	2.5	3.9	336.0	360.0	-	5
Microsemi CRP	355.5	354.5	6.6	1.9	1.0	341.0	369.0	-	40
Mindray	342.9	344.0	15.7	4.6	4.7	321.0	366.0	-	11
Mythic 22	-	-	-	-	-	321.0	321.0	-	1
Siemens Advia 120, 2120, 2120i	388.4	389.0	9.4	2.4	4.2	374.0	400.0	-	5
Sysmex K, M, KX.21, XP-300	372.1	372.0	6.7	1.8	1.1	360.0	387.0	1	42
Sysmex pOCH 100i	359.1	360.0	7.3	2.0	1.2	343.0	370.0	-	35
Sysmex XE, XS, XT	360.6	360.0	9.0	2.5	1.6	336.0	379.0	-	34
Sysmex XN	358.2	358.0	6.1	1.7	0.6	342.0	374.0	-	95
Sysmex XN-L	360.0	361.0	6.5	1.8	1.4	348.0	376.7	1	22
Yumizen H500	345.7	346.0	1.5	0.4	0.9	344.0	347.0	-	3
All	358.9	359.0	10.9	3.0	0.6	323.0	392.0	6	333

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

Sample S001 | B -PLT, x109E/l

Methodics	<i>x_{pt}</i>	Median	sd	CV%	SEM	min	max	Outliers	n
Abacus	225	225	8	3.5	6	219	230	-	2
ABX Micros, Micros CRP, Pentra	211	209	14	6.6	3	181	237	-	25
Cell-Dyn Emerald	211	215	12	5.6	7	198	221	-	3
Cell-Dyn 3200, Ruby	-	-	-	-	-	216	216	-	1
Celltac MEK	-	-	-	-	-	205	205	-	1
Coulter DxH	211	209	5	2.3	2	203	219	-	7
Coulter T, Tc, J, MD, AcT, LH 750	216	218	11	4.9	5	199	225	-	5
Microsemi CRP	217	217	12	5.4	2	193	247	1	40
Mindray	219	218	6	2.8	2	211	232	-	11
Mythic 22	-	-	-	-	-	222	222	-	1
Siemens Advia 120, 2120, 2120i	222	224	14	6.3	6	201	240	-	5
Sysmex K, M, KX.21, XP-300	223	223	7	3.3	1	205	236	1	42
Sysmex pOCH 100i	213	213	10	4.8	2	197	235	-	35
Sysmex XE, XS, XT	207	206	13	6.3	2	183	238	1	33
Sysmex XN	216	216	6	2.9	<1	203	230	-	95
Sysmex XN-L	220	219	7	3.4	2	210	233	-	21
Yumizen H500	232	232	6	2.4	3	227	238	-	3
All	216	216	10	4.6	<1	188	247	5	330

Sample S001 | B -PLT, x109E/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	40.6	41.0	2.0	4.9	0.8	37.0	43.0	-	7
Celltac MEK	-	-	-	-	-	55.4	55.4	-	1
Coulter DxH	51.1	50.3	1.5	2.9	0.6	49.9	53.8	-	7
Microsemi CRP	10.3	9.3	2.5	24.3	1.4	8.4	13.1	-	3
Mindray	50.7	51.9	4.3	8.4	1.4	43.8	55.2	-	9
Sysmex K, M, KX.21, XP-300	36.1	36.3	1.0	2.7	0.2	34.2	37.9	1	29
Sysmex pOCH 100i	44.1	44.0	0.8	1.9	0.2	43.0	45.9	-	19
Sysmex XE, XS, XT	43.1	42.8	1.1	2.6	0.2	41.7	46.4	2	30
Sysmex XN	42.2	41.4	1.9	4.5	0.2	40.0	46.5	-	86
Sysmex XN-L	42.1	41.8	1.3	3.0	0.3	40.4	45.6	-	20
Yumizen H500	-	-	-	-	-	43.7	43.7	-	1
All	42.4	42.0	3.9	9.2	0.3	34.2	55.4	5	212

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	13.7	13.6	0.9	6.8	0.2	12.0	15.3	-	18
Cell-Dyn Emerald	14.1	14.1	0.2	1.5	0.2	13.9	14.2	-	2
Celltac MEK	-	-	-	-	-	15.6	15.6	-	1
Coulter DxH	15.9	15.5	0.6	3.9	0.2	15.5	16.8	-	7
Coulter T, Tc, J, MD, AcT, LH 750	15.3	15.3	0.4	2.8	0.3	15.0	15.6	-	2
Microsemi CRP	13.5	13.5	0.6	4.7	0.1	12.3	15.0	-	35
Mindray	15.3	15.3	0.4	2.7	0.1	14.7	16.1	-	10
Mythic 22	-	-	-	-	-	14.7	14.7	-	1
Siemens Advia 120, 2120, 2120i	14.5	14.6	0.7	4.9	0.4	13.6	15.1	-	4
Sysmex K, M, KX.21, XP-300	10.9	11.0	0.5	4.9	0.1	10.0	12.1	-	25
Sysmex pOCH 100i	15.2	15.0	0.4	2.3	<0.1	14.5	16.0	-	18
Sysmex XE, XS, XT	15.0	14.9	0.4	3.0	<0.1	14.0	16.6	1	31
Sysmex XN	14.4	14.3	0.4	3.1	<0.1	13.8	15.6	-	94
Sysmex XN-L	14.3	14.2	0.4	2.5	<0.1	13.9	15.3	1	22
Yumizen H500	13.8	13.4	1.1	7.7	0.6	13.0	15.0	-	3
All	14.2	14.3	1.1	8.0	<0.1	10.6	17.3	7	273

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	90.3	91.3	2.9	3.3	0.9	86.0	94.9	-	12
Cell-Dyn 3200, Ruby	-	-	-	-	-	89.9	89.9	-	1
Celltac MEK	-	-	-	-	-	86.2	86.2	-	1
Coulter DxH	88.1	87.2	2.4	2.7	1.0	86.1	91.7	-	6
Microsemi CRP	90.4	90.1	1.8	2.0	0.4	86.2	93.0	1	25
Mindray	90.8	90.1	1.8	1.9	0.7	88.8	92.8	-	7
Mythic 22	-	-	-	-	-	91.9	91.9	-	1
Siemens Advia 120, 2120, 2120i	90.3	91.3	2.7	3.0	1.4	86.4	92.2	-	4
Sysmex K, M, KX.21, XP-300	92.0	92.9	4.8	5.3	2.4	86.2	96.0	-	4
Sysmex pOCH 100i	-	-	-	-	-	88.5	88.5	-	1
Sysmex XE, XS, XT	89.1	89.1	2.1	2.3	0.5	86.2	94.9	1	19
Sysmex XN	90.5	90.8	1.5	1.7	0.2	86.3	93.5	-	71
Sysmex XN-L	90.8	91.0	1.7	1.9	0.5	87.4	94.5	-	14
Yumizen H500	89.7	91.0	6.1	6.8	3.5	83.1	95.1	-	3
All	90.2	90.3	2.1	2.4	0.2	83.1	96.0	2	169

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	30.1	30.2	0.6	2.0	0.2	28.9	31.0	-	12
Cell-Dyn 3200, Ruby	-	-	-	-	-	30.5	30.5	-	1
Celltac MEK	-	-	-	-	-	30.1	30.1	-	1
Coulter DxH	29.5	29.6	1.0	3.3	0.4	28.1	30.6	-	6
Microsemi CRP	30.4	30.4	0.6	2.1	0.1	29.3	31.4	1	25
Mindray	30.3	30.1	0.7	2.2	0.3	29.5	31.4	-	7
Mythic 22	-	-	-	-	-	30.2	30.2	-	1
Siemens Advia 120, 2120, 2120i	29.6	29.6	0.3	0.9	0.1	29.4	29.9	-	4
Sysmex K, M, KX.21, XP-300	29.6	29.6	<0.1	0.2	<0.1	29.5	29.6	-	2
Sysmex pOCH 100i	-	-	-	-	-	30.4	30.4	-	1
Sysmex XE, XS, XT	29.9	29.9	0.4	1.4	0.1	28.9	30.6	1	18
Sysmex XN	30.0	30.0	0.4	1.3	<0.1	28.8	30.8	1	71
Sysmex XN-L	30.2	30.3	0.3	1.1	<0.1	29.5	30.7	-	14
Yumizen H500	30.0	30.5	1.0	3.4	0.6	28.8	30.6	-	3
All	30.1	30.1	0.5	1.8	<0.1	28.1	31.4	2	166

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	332.5	330.0	9.3	2.8	2.7	319.0	354.0	-	12
Cell-Dyn 3200, Ruby	-	-	-	-	-	339.0	339.0	-	1
Celltac MEK	-	-	-	-	-	345.0	345.0	-	1
Coulter DxH	333.9	333.9	6.4	1.9	2.6	325.0	344.5	-	6
Microsemi CRP	340.9	339.8	4.4	1.3	2.0	336.9	348.0	-	5
Mindray	333.5	335.9	5.9	1.8	2.2	323.2	338.7	-	7
Mythic 22	-	-	-	-	-	330.3	330.3	-	1
Siemens Advia 120, 2120, 2120i	327.3	323.0	9.2	2.8	4.6	322.0	341.0	-	4
Sysmex K, M, KX.21, XP-300	-	-	-	-	-	343.0	343.0	-	1
Sysmex pOCH 100i	348.5	348.5	7.8	2.2	5.5	343.0	354.0	-	2
Sysmex XE, XS, XT	337.6	337.5	4.5	1.3	1.1	329.9	345.0	1	17
Sysmex XN	330.9	330.0	5.8	1.8	0.7	318.0	346.0	1	71
Sysmex XN-L	332.8	332.5	6.7	2.0	1.9	323.0	346.0	-	12
Yumizen H500	331.9	336.0	16.5	5.0	9.5	313.8	346.0	-	3
All	333.1	332.5	7.3	2.2	0.6	313.8	354.0	1	143

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
Abacus	2.5	2.5	<0.1	0.6	<0.1	2.4	2.5	-	2
ABX Micros, Micros CRP, Pentra	2.4	2.4	0.1	4.7	<0.1	2.2	2.6	-	16
Cell-Dyn Emerald	2.5	2.5	0.3	11.3	0.2	2.3	2.7	-	2
Coulter DxH	2.4	2.4	<0.1	0.8	<0.1	2.4	2.4	-	4
Coulter T, Tc, J, MD, AcT, LH 750	-	-	-	-	-	2.6	2.6	-	1
Microsemi CRP	2.5	2.5	<0.1	3.5	<0.1	2.3	2.6	-	38
Mindray	2.3	2.3	0.1	5.7	<0.1	2.2	2.5	-	5
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	2.3	2.3	-	1
Sysmex K, M, KX.21, XP-300	2.3	2.3	<0.1	2.5	<0.1	2.2	2.4	1	23
Sysmex pOCH 100i	2.2	2.2	<0.1	2.2	<0.1	2.2	2.3	1	19
Sysmex XE, XS, XT	2.3	2.4	<0.1	3.6	<0.1	2.2	2.5	-	26
Sysmex XN	2.3	2.3	<0.1	2.8	<0.1	2.2	2.5	1	81
Sysmex XN-L	2.4	2.4	<0.1	2.8	<0.1	2.3	2.5	-	14
All	2.4	2.3	<0.1	4.2	<0.1	2.2	2.6	2	232

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
Abacus	2.20	2.20	<0.01	<0.1	<0.01	2.20	2.20	-	2
ABX Micros, Micros CRP, Pentra	2.07	2.08	0.04	1.9	<0.01	1.97	2.13	-	16
Cell-Dyn Emerald	2.12	2.12	0.12	5.7	0.09	2.03	2.20	-	2
Coulter DxH	2.03	2.04	0.02	1.1	0.01	2.00	2.05	-	4
Coulter T, Tc, J, MD, AcT, LH 750	-	-	-	-	-	2.06	2.06	-	1
Microsemi CRP	2.10	2.11	0.04	1.8	<0.01	2.00	2.17	-	38
Mindray	2.09	2.09	0.03	1.4	0.01	2.06	2.14	-	5
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	2.14	2.14	-	1
Sysmex K, M, KX.21, XP-300	2.10	2.10	0.02	1.2	<0.01	2.06	2.14	-	23
Sysmex pOCH 100i	2.11	2.10	0.04	1.9	<0.01	2.01	2.17	-	20
Sysmex XE, XS, XT	2.09	2.08	0.04	1.8	<0.01	2.01	2.16	-	26
Sysmex XN	2.07	2.07	0.03	1.5	<0.01	2.01	2.15	1	81
Sysmex XN-L	2.05	2.05	0.04	1.8	<0.01	2.00	2.11	-	14
All	2.09	2.09	0.04	1.9	<0.01	1.97	2.20	-	233

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
Abacus	66	66	1	2.1	1	65	67	-	2
ABX Micros, Micros CRP, Pentra	64	63	2	2.9	<1	60	68	-	16
Cell-Dyn Emerald	62	62	3	4.6	2	60	64	-	2
Coulter DxH	62	62	1	2.2	<1	60	63	-	4
Coulter T, Tc, J, MD, AcT, LH 750	-	-	-	-	-	62	62	-	1
Microsemi CRP	66	66	<1	1.3	<1	64	67	-	38
Mindray	65	65	2	2.3	<1	64	67	-	5
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	66	66	-	1
Sysmex K, M, KX.21, XP-300	63	63	1	2.1	<1	60	65	-	23
Sysmex pOCH 100i	63	63	<1	1.3	<1	61	64	-	20
Sysmex XE, XS, XT	63	63	<1	1.4	<1	62	65	-	26
Sysmex XN	63	63	<1	1.4	<1	61	65	-	81
Sysmex XN-L	63	63	<1	1.3	<1	61	64	-	14
All	63	63	2	2.4	<1	60	67	1	233

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
Abacus	20.1	20.1	0.4	2.1	0.3	19.8	20.4	-	2
ABX Micros, Micros CRP, Pentra	17.7	17.7	0.3	1.7	<0.1	17.2	18.3	-	15
Cell-Dyn Emerald	19.8	19.8	0.9	4.7	0.7	19.1	20.4	-	2
Coulter DxH	18.4	18.4	0.1	0.7	<0.1	18.3	18.6	-	4
Microsemi CRP	18.1	18.1	0.4	2.1	<0.1	17.0	19.0	-	36
Mindray	19.9	20.4	0.9	4.5	0.4	18.9	20.7	-	5
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	17.1	17.1	-	1
Sysmex K, M, KX.21, XP-300	17.5	17.5	0.4	2.3	<0.1	17.0	18.4	-	20
Sysmex pOCH 100i	18.6	18.7	0.5	2.5	0.1	17.9	19.7	-	20
Sysmex XE, XS, XT	18.6	18.6	0.4	2.4	<0.1	17.8	19.3	-	25
Sysmex XN	17.9	17.9	0.3	1.8	<0.1	17.3	18.8	-	75
Sysmex XN-L	17.7	17.6	0.5	2.6	0.1	17.0	18.6	-	13
All	18.1	18.0	0.5	3.0	<0.1	17.0	19.8	5	218

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

Sample S002 | E -MCV, fl

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
Abacus	92.4	92.4	1.3	1.5	1.0	91.4	93.3	-	2
ABX Micros, Micros CRP, Pentra	85.9	86.0	1.4	1.7	0.4	84.0	90.0	-	16
Cell-Dyn Emerald	93.5	93.5	1.0	1.1	0.7	92.8	94.2	-	2
Coulter DxH	90.5	90.3	0.8	0.9	0.4	89.7	91.6	-	4
Coulter T, Tc, J, MD, AcT, LH 750	-	-	-	-	-	85.0	85.0	-	1
Microsemi CRP	86.4	86.4	1.3	1.5	0.2	84.0	89.6	-	38
Mindray	95.0	97.8	4.6	4.8	2.0	88.5	98.8	-	5
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	79.8	79.8	-	1
Sysmex K, M, KX.21, XP-300	83.6	83.7	0.7	0.8	0.1	81.7	84.5	1	23
Sysmex pOCH 100i	88.1	88.0	1.0	1.1	0.2	86.7	90.8	-	20
Sysmex XE, XS, XT	88.9	88.9	1.2	1.3	0.2	86.8	92.3	-	26
Sysmex XN	86.3	86.2	1.3	1.6	0.1	83.0	90.0	-	81
Sysmex XN-L	86.6	86.7	1.3	1.5	0.3	84.3	88.2	-	14
All	86.7	86.5	2.1	2.4	0.1	79.8	93.3	4	233

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
Abacus	30.4	30.4	0.8	2.8	0.6	29.8	31.0	-	2
ABX Micros, Micros CRP, Pentra	30.8	30.8	0.5	1.7	0.1	30.0	31.8	-	16
Cell-Dyn Emerald	29.4	29.4	0.4	1.2	0.3	29.1	29.6	-	2
Coulter DxH	30.2	30.2	0.8	2.5	0.4	29.5	30.9	-	4
Coulter T, Tc, J, MD, AcT, LH 750	-	-	-	-	-	30.0	30.0	-	1
Microsemi CRP	31.2	31.2	0.5	1.6	<0.1	30.4	32.2	-	38
Mindray	31.3	31.0	0.8	2.6	0.4	30.5	32.6	-	5
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	30.9	30.9	-	1
Sysmex K, M, KX.21, XP-300	30.0	29.9	0.7	2.3	0.1	28.6	31.1	-	23
Sysmex pOCH 100i	29.9	29.9	0.5	1.6	0.1	29.0	30.8	-	20
Sysmex XE, XS, XT	30.1	30.0	0.5	1.7	0.1	29.1	31.4	-	25
Sysmex XN	30.3	30.3	0.5	1.5	<0.1	29.2	31.4	-	81
Sysmex XN-L	30.5	30.6	0.4	1.2	<0.1	29.7	31.0	-	14
All	30.4	30.4	0.7	2.2	<0.1	28.6	32.2	1	232

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
Abacus	325.5	325.5	0.7	0.2	0.5	325.0	326.0	-	2
ABX Micros, Micros CRP, Pentra	358.2	359.0	10.0	2.8	2.5	336.0	379.0	-	16
Cell-Dyn Emerald	-	-	-	-	-	314.0	314.0	-	1
Coulter DxH	333.9	333.5	5.7	1.7	2.8	329.0	339.5	-	4
Coulter T, Tc, J, MD, AcT, LH 750	-	-	-	-	-	354.0	354.0	-	1
Microsemi CRP	361.9	360.5	6.9	1.9	1.1	353.0	378.0	-	36
Mindray	329.8	315.0	22.1	6.7	9.9	312.0	354.0	-	5
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	386.0	386.0	-	1
Sysmex K, M, KX.21, XP-300	358.7	360.0	9.3	2.6	1.9	342.0	376.0	-	23
Sysmex pOCH 100i	339.2	341.0	6.4	1.9	1.4	325.0	348.0	-	20
Sysmex XE, XS, XT	338.2	338.0	6.9	2.0	1.3	325.0	356.0	-	26
Sysmex XN	350.8	350.0	6.3	1.8	0.7	335.0	366.0	-	81
Sysmex XN-L	353.5	354.5	6.9	1.9	1.8	339.0	365.5	-	14
All	351.2	352.0	11.2	3.2	0.7	325.0	386.0	4	230

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
Abacus	162	162	5	3.1	4	158	165	-	2
ABX Micros, Micros CRP, Pentra	154	150	17	10.7	4	133	199	-	16
Cell-Dyn Emerald	-	-	-	-	-	162	162	-	1
Coulter DxH	139	140	2	1.2	<1	137	141	-	4
Coulter T, Tc, J, MD, AcT, LH 750	-	-	-	-	-	144	144	-	1
Microsemi CRP	159	156	9	5.6	1	141	176	1	38
Mindray	143	141	4	2.7	2	139	149	-	5
Siemens Advia 120, 2120, 2120i	-	-	-	-	-	148	148	-	1
Sysmex K, M, KX.21, XP-300	143	142	6	4.5	1	130	159	-	23
Sysmex pOCH 100i	135	134	5	3.9	1	124	143	-	20
Sysmex XE, XS, XT	141	141	8	5.5	2	130	163	-	26
Sysmex XN	135	135	4	2.8	<1	127	144	-	81
Sysmex XN-L	139	139	6	4.4	2	131	152	-	14
All	142	139	11	7.4	<1	124	174	4	232

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

Sample S002 | RDW -SD, fl

Methodics	<i>x_{pt}</i>	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	41.7	42.0	1.5	3.7	0.9	40.0	43.0	-	3
Coulter DxH	47.3	47.2	0.7	1.5	0.4	46.7	48.1	-	4
Microsemi CRP	13.0	13.0	1.0	7.6	0.7	12.3	13.7	-	2
Mindray	44.8	47.3	4.2	9.4	1.9	38.2	47.8	-	5
Sysmex K, M, KX.21, XP-300	33.2	33.4	0.7	2.2	0.2	31.9	34.1	1	15
Sysmex pOCH 100i	41.3	41.3	0.9	2.3	0.2	39.8	43.0	-	16
Sysmex XE, XS, XT	40.1	39.7	1.7	4.2	0.3	38.3	44.0	-	23
Sysmex XN	41.1	40.5	1.8	4.4	0.2	38.9	45.1	-	73
Sysmex XN-L	41.6	41.5	1.3	3.1	0.4	39.9	44.8	-	13
All	40.6	40.5	3.2	7.8	0.3	31.9	48.1	2	154

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

Sample S002 | RDW -CV, %

Methodics	<i>x_{pt}</i>	Median	sd	CV%	SEM	min	max	Outliers	n
ABX Micros, Micros CRP, Pentra	12.8	12.6	0.9	6.9	0.3	11.1	13.8	-	9
Cell-Dyn Emerald	-	-	-	-	-	12.1	12.1	-	1
Coulter DxH	14.2	14.2	0.3	2.2	0.2	13.9	14.6	-	4
Microsemi CRP	12.7	12.7	0.5	4.3	<0.1	11.7	13.7	1	31
Mindray	13.4	13.4	0.2	1.7	0.1	13.2	13.8	-	5
Sysmex K, M, KX.21, XP-300	9.1	9.0	0.7	7.7	0.2	8.2	11.1	-	15
Sysmex pOCH 100i	13.0	13.0	0.2	1.7	<0.1	12.7	13.5	-	15
Sysmex XE, XS, XT	13.1	13.0	0.2	1.6	<0.1	12.7	13.5	1	24
Sysmex XN	13.2	13.1	0.4	3.3	<0.1	12.0	14.3	-	80
Sysmex XN-L	13.1	13.0	0.4	3.0	0.1	12.7	14.0	-	14
All	13.0	13.0	0.7	5.0	<0.1	9.7	15.0	12	198

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

Report info

Participants

253 participants from 15 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 " EQAS Interpretation guidelines" LabScala User instructions (top right corner ?Help link).

External Quality Assessment Scheme

Basic Blood Count Round 5, 2020

Specimens

Sample S001 (LQ711220051) and sample S002 (LQ711220052) were 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.

Comments

It is important to read the Final report first, because it contains important information of the samples and results in each round.

Sample S001 represented high and S002 low level sample. Twenty hematocrit results that were clearly reported in the wrong unit have been removed from the result processing. The RDW-SD results of the Microsemi CRP analyzer (S001 n = 3 and S002 n = 2) were clearly lower than those given with other analyzers. However, the results appeared to fit the RDW-CV% results. This raises doubts that results have been given to the wrong analyte.

End of report

2020-05-27

FINAL REPORT

Product no. 4100,4110

Samples sent	2020-05-04
Round closed	2020-05-26
Final report	2020-05-27

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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