

Survey: **HM3/25**
month: **July 2025**
Participant-No: **9900540**
valid from: **12.07.25**



page 1 of 10

Vseobecná fakultní nemocnice v Praze
Centrální Laborator na ULBLD
Prof. MUDr. Zima, RNDr. Benáková
U Nemocnice 499/2, budova A 7, 2. patro
12808 PRAHA 2
CZECH REPUBLIC



Bonn, 22. July 2025

Certificate

We confirm that you have participated in the survey for hormone determinations in serum.
This certificate is according to the current version of the RiliBÄK valid until the end of January 2026.
You have met the requirements of the survey for the following analytes:

Aldosterone	(4)	Estradiol-17beta	(4)	Progesterone	(4)
Testosterone	(4)	T3, free	(4)	T3, total	(4)
T4, free	(4)	T4, total	(4)	TSH	(4)
DHEA-S	(4)	17-OH-progesterone	(4)	Ferritin	(4)

Prof. Dr. Dr. K. P. Kohse
EQA scheme director

Dr. Anja Kessler
Head of Reference Institute

Dr. Marika Enders
EQAS-Board

The number in parentheses characterizes the analytical method used.
The assignment of the number to the respective method and/or the respective instrument
is to be taken from the total evaluation.

This certificate is valid in conjunction with the final report dated 17.07.25.
This is available for download in the RfB-Online system.

Survey: **HM3/25**
month: **July 2025**
Participant-No: **9900540**
valid from: **12.07.25**



page 2 of 10

Vseobecna fakultni nemocnice V Praze
Centralni Laborator na ULBLD
Prof. MUDr. Zima, RNDr. Benáková
U Nemocnice 499/2, budova A 7, 2. patro
12808 PRAHA 2
CZECH REPUBLIC



Bonn, 22. July 2025

Participation certificate

We confirm that you have participated in the survey for hormone determinations in serum.

The analytes determined by you are as follows:

Aldosterone	(4)	Cortisol	(4)	Estradiol-17beta	(4)
Progesterone	(4)	Testosterone	(4)	T3, free	(4)
T3, total	(4)	T4, free	(4)	T4, total	(4)
TSH	(4)	DHEA-S	(4)	17-OH-progesterone	(4)
Ferritin	(4)				

Handwritten signature of Prof. Dr. Dr. K. P. Kohse in blue ink.

Prof. Dr. Dr. K. P. Kohse
EQA scheme director

Handwritten signature of Dr. Anja Kessler in blue ink.

Dr. Anja Kessler
Head of Reference Institute

Handwritten signature of Dr. Marika Enders in blue ink.

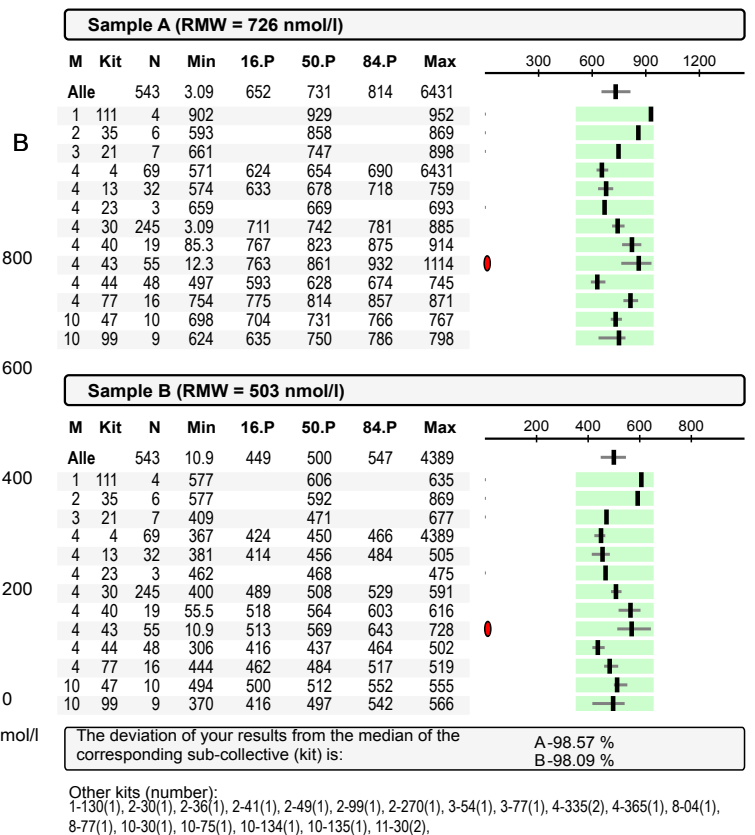
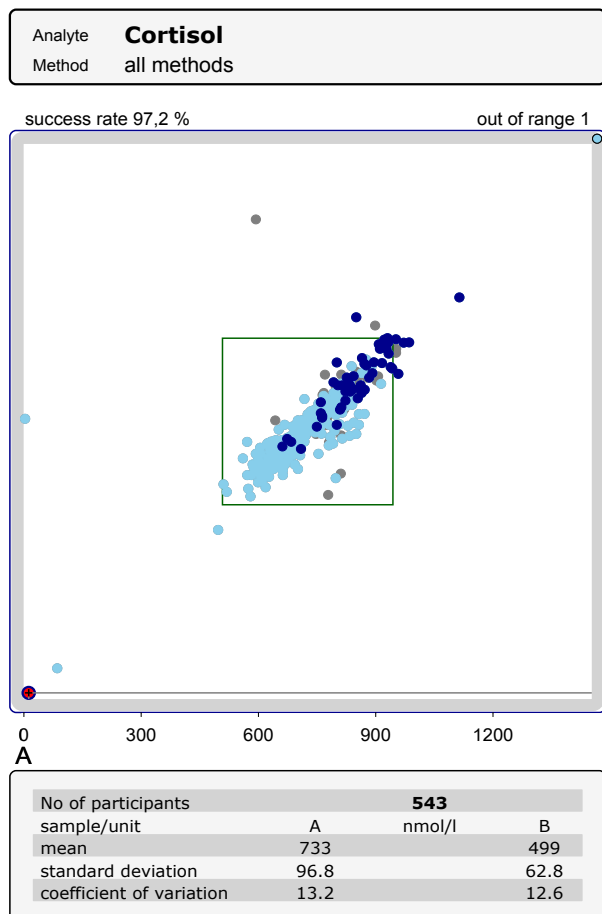
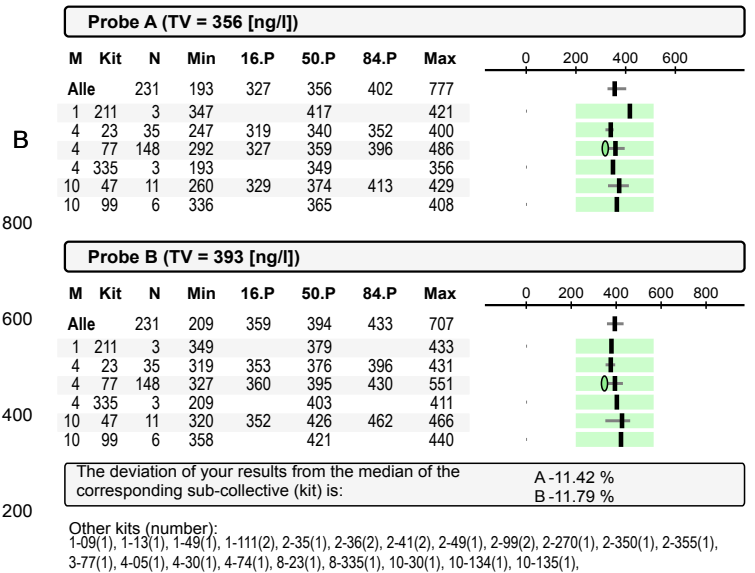
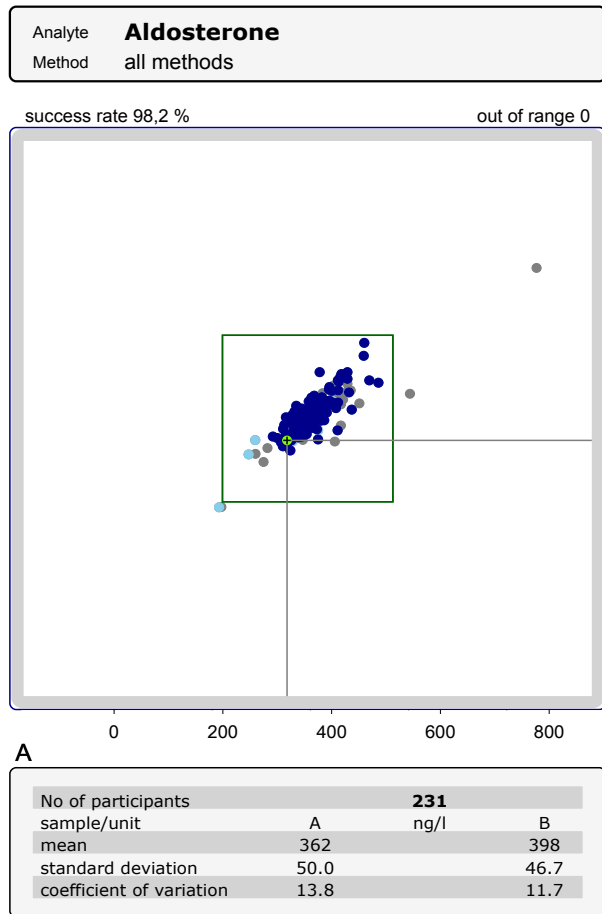
Dr. Marika Enders
EQAS-Board

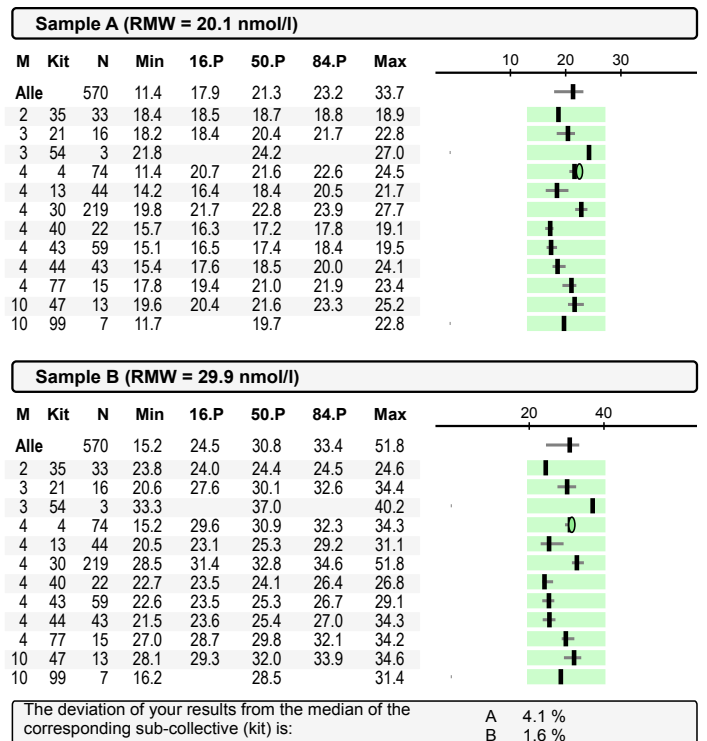
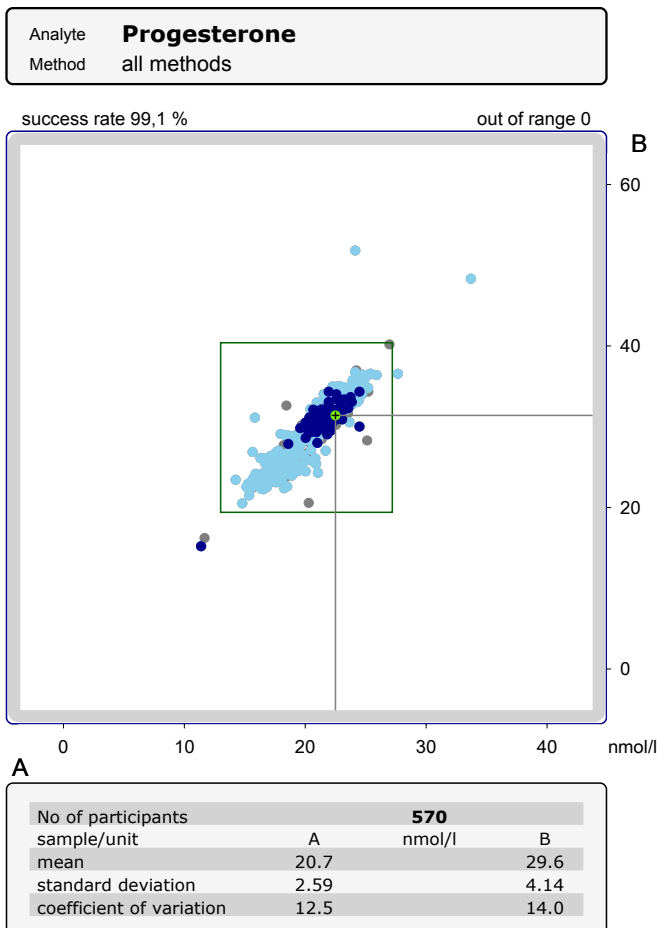
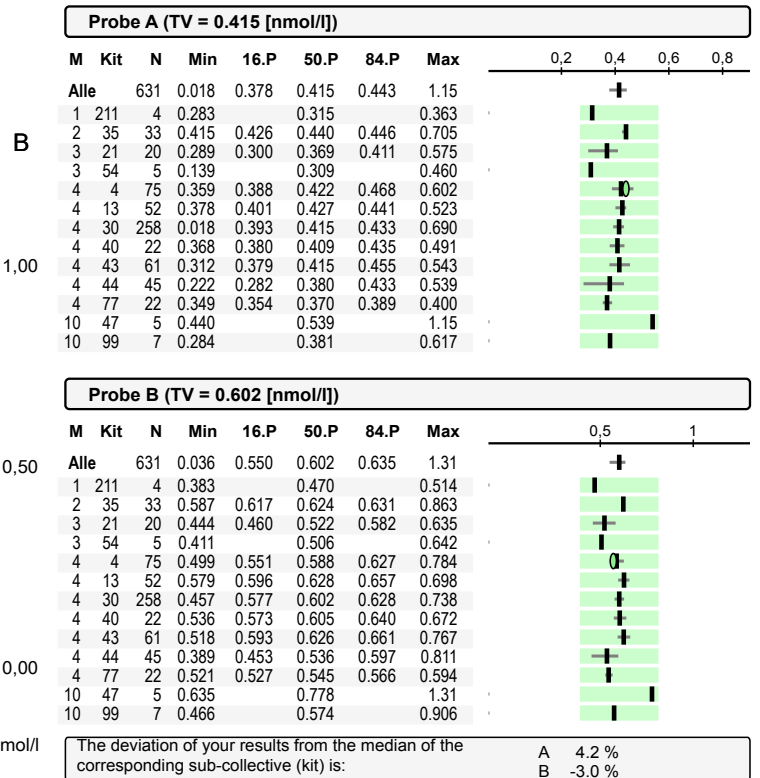
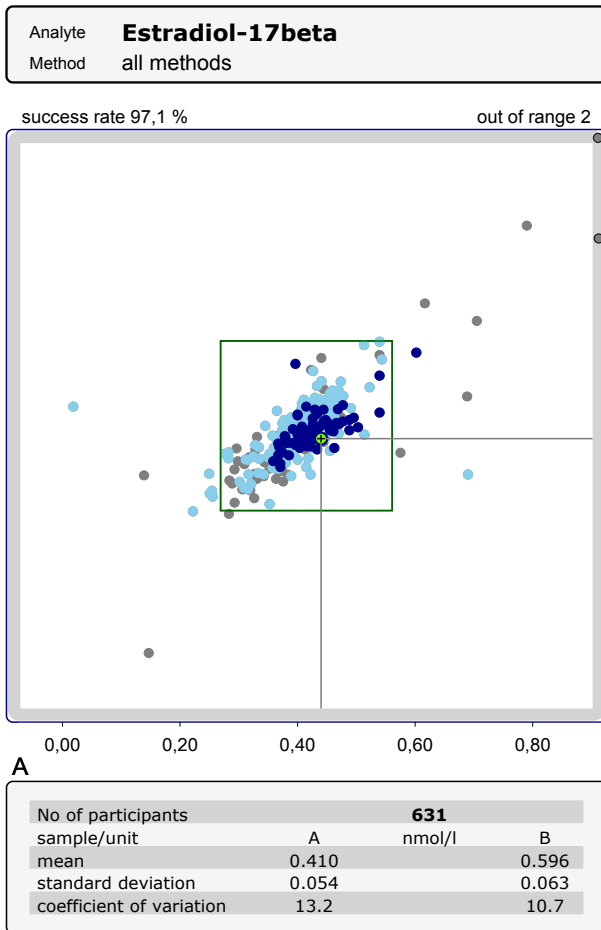
The number in parentheses characterizes the analytical method used.

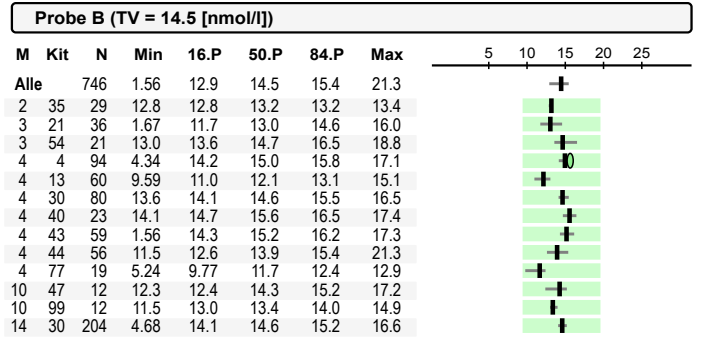
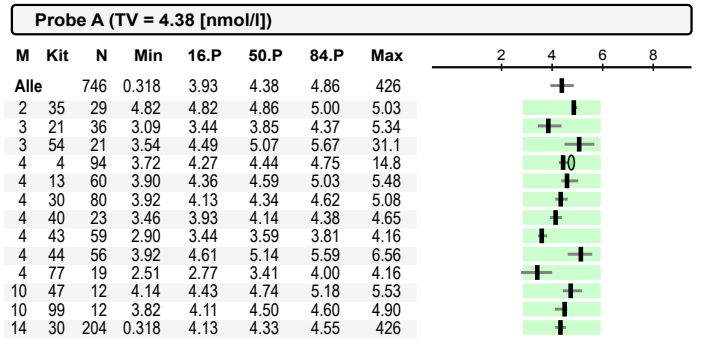
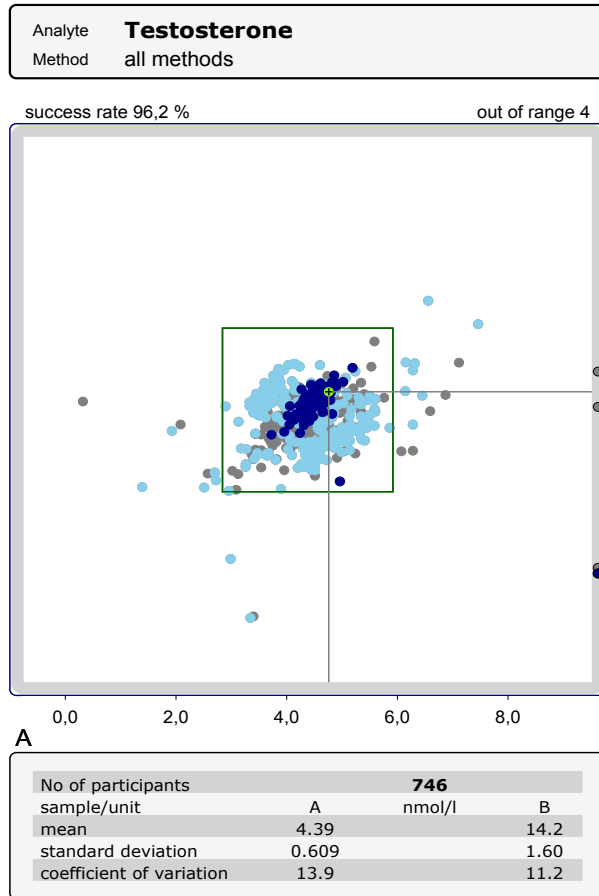
The assignment of the number to the respective method and/or the respective instrument is to be taken from the total evaluation.



Legend:	C=Certification, M=No of method, R=your result, D=difference (R-T) Dmax= maximum allowable amount of difference in measurement, partly given by annax 1 of the guideline of the BÄK. T = target value, either reference method value or assigned value, LL UL = lower resp. upper limit							Certification: + = fulfilled (quotient D/Dmax <= 1.0) - = not fulfilled (quotient D/Dmax > 1.0 ± = certification cancelled because of technical and/or analytical reasons							
	C	M	R	D/Dmax	T	LL	UL								
Aldosterone	+	4	A 318	-0.24	356	199	513								
[ng/l]			B 348	-0.26	393	220	567								
Cortisol	-	4	A 12.3	-3.27	726	508	944								
[nmol/l]			B 10.9	-3.26	503	352	654								
estradiol-17beta	+	4	A 0.440	0.17	0.415	0.269	0.561								
[nmol/l]			B 0.570	-0.15	0.602	0.391	0.813								
Progesterone	+	4	A 22.5	0.33	20.1	13.0	27.2								
[nmol/l]			B 31.4	0.14	29.9	19.4	40.4								
Testosterone	+	4	A 4.76	0.24	4.38	2.84	5.92								
[nmol/l]			B 15.6	0.21	14.5	9.42	19.6								
T3, free	+	4	A 17.1	-0.27	18.1	14.4	21.8								
[pmol/l]			B 12.5	-0.12	12.8	10.2	15.4								
T3, total	+	4	A 5.10	-0.02	5.13	3.89	6.37								
[nmol/l]			B 4.38	0.30	4.08	3.10	5.06								
T4, free	+	4	A 40.6	0.02	40.4	32.3	48.5								
[pmol/l]			B 21.1	0.02	21.0	16.8	25.2								
T4, total	+	4	A 194	-0.13	200	152	248								
[nmol/l]			B 122	0.03	121	91.9	151								
TSH	+	4	A 1.66	-0.07	1.69	1.28	2.10								
[mU/l]			B 8.86	-0.09	9.05	6.87	11.3								
DHEA-S	+	4	A 12.3	0.07	12.0	7.80	16.2								
[µmol/l]			B 10.9	0.13	10.4	6.76	14.1								
-progesterone	+	4	A 11.6	0.02	11.4	4.56	18.3								
[nmol/l]			B 2.16	0.26	1.10	0	5.10								
Ferritin	+	4	A 277	0.46	248	186	310								
[µg/l]			B 407	0.67	348	261	435								





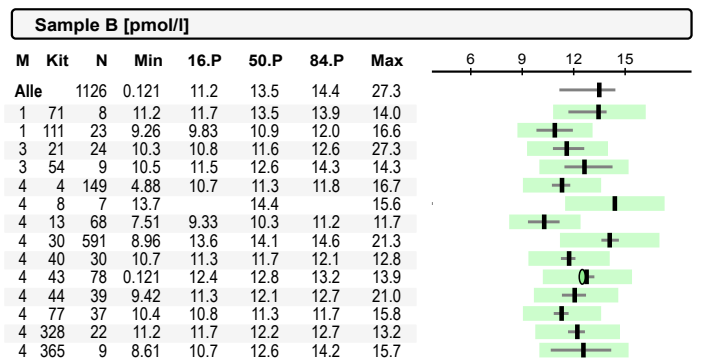
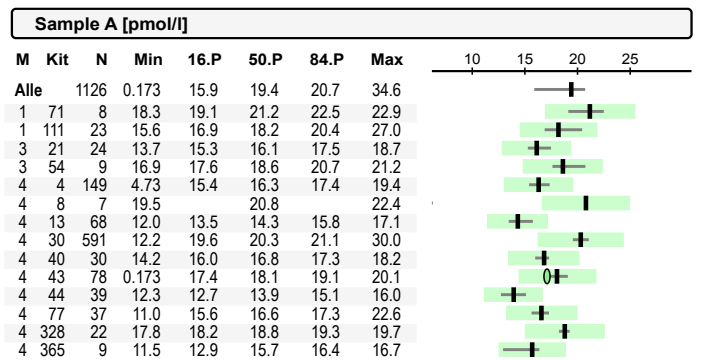
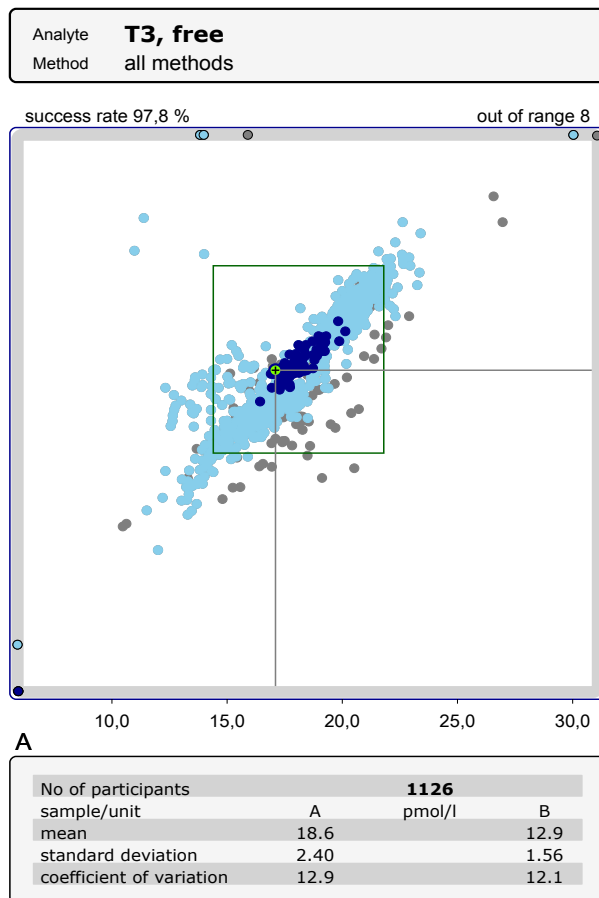


The deviation of your results from the median of the corresponding sub-collective (kit) is:

A 7.3 %
B 4.5 %

Other kits (number):

1-111(4), 1-130(1), 2-36(1), 2-41(1), 2-43(1), 2-54(1), 2-99(1), 2-295(1), 3-03(1), 3-77(1), 3-159(2), 4-10(1), 4-23(3), 4-54(4), 4-99(1), 4-335(2), 4-365(1), 8-04(1), 8-30(1), 8-77(1), 8-99(1), 10-30(1), 10-134(2), 10-135(1), 11-30(2), 11-44(1), 11-99(3),

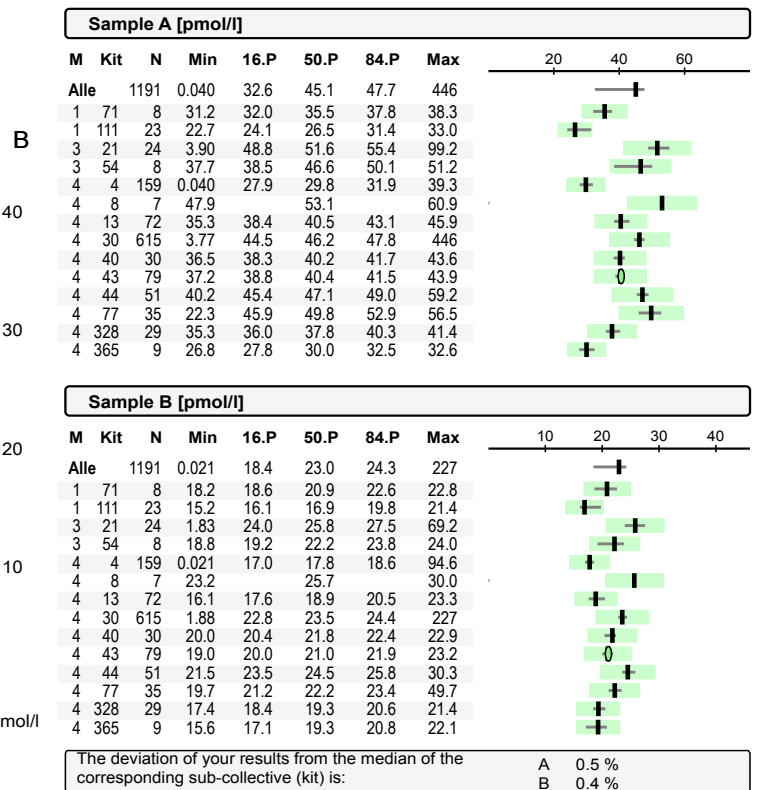
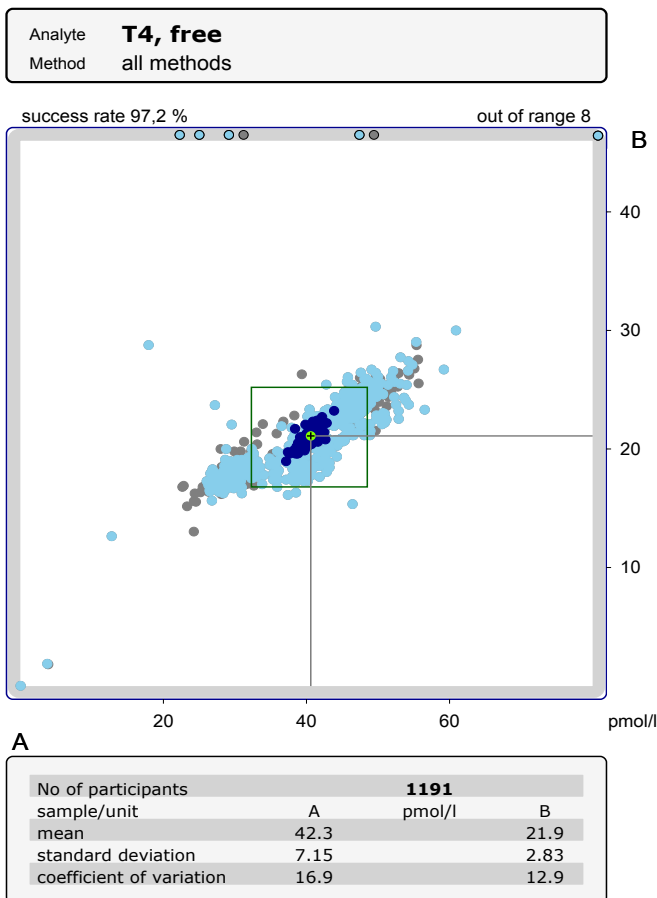
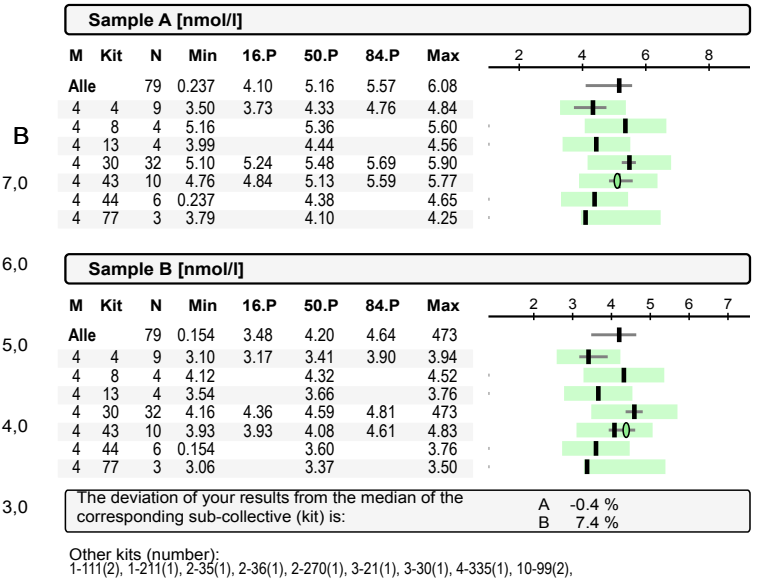
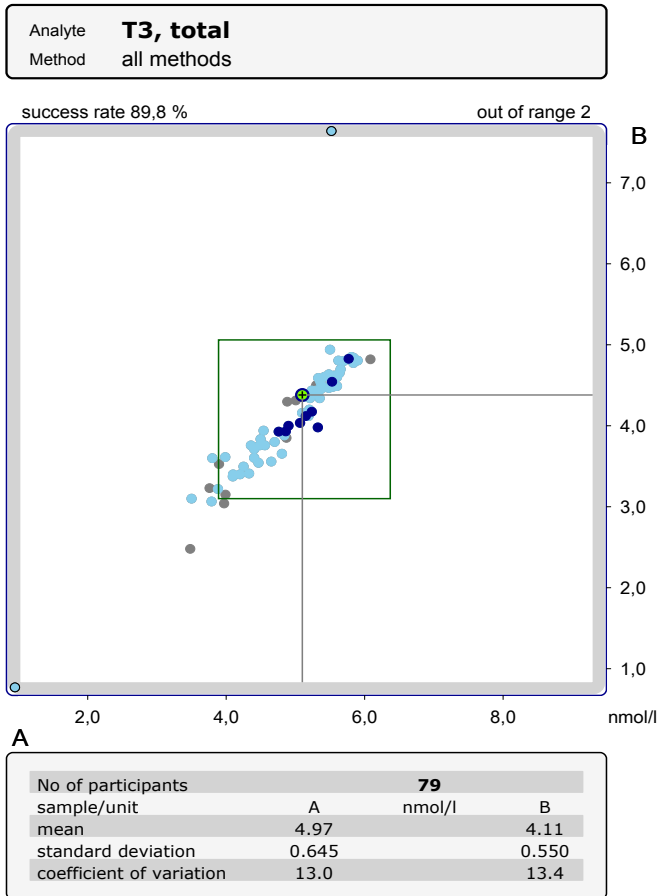


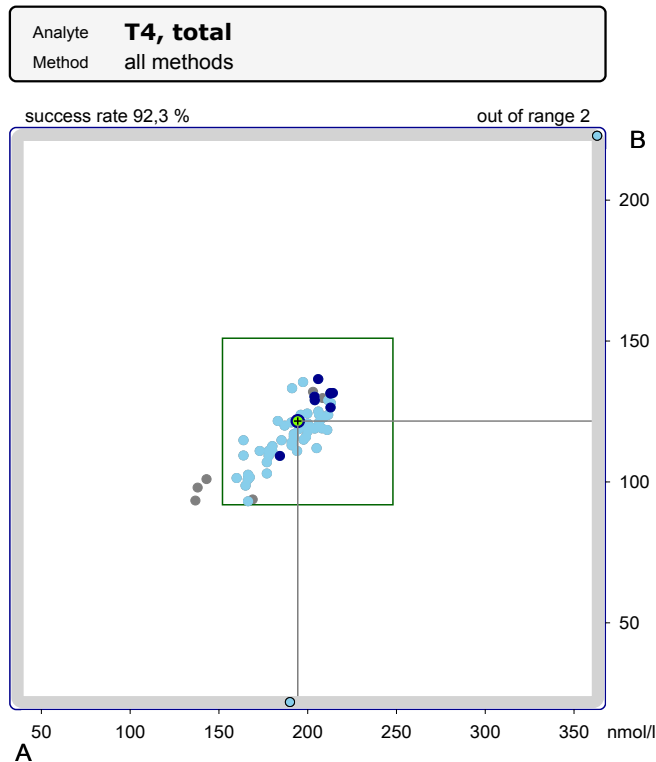
The deviation of your results from the median of the corresponding sub-collective (kit) is:

A -5.2 %
B -1.9 %

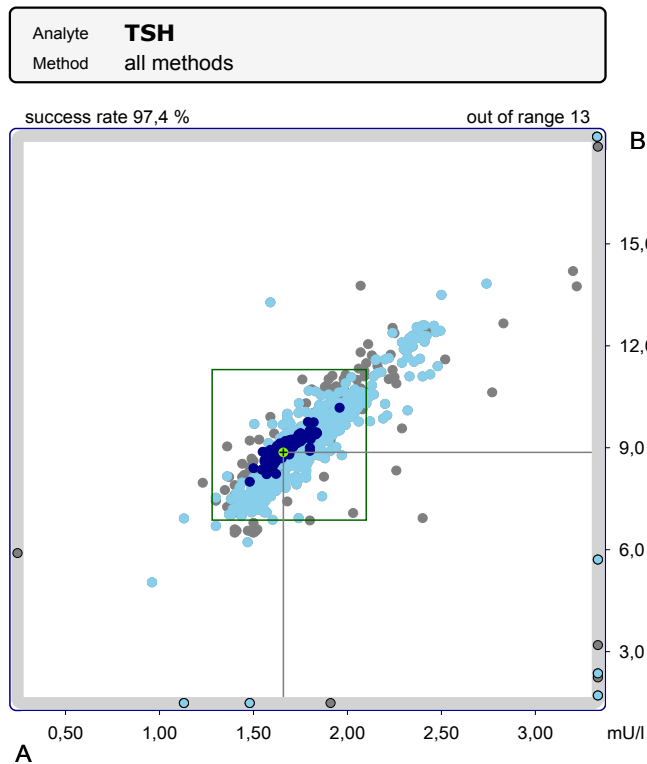
Other kits (number):

1-13(1), 1-48(2), 1-49(4), 1-77(1), 1-130(1), 1-155(2), 2-35(2), 2-36(2), 2-43(1), 2-270(1), 3-99(1), 4-54(3), 4-128(1), 4-335(3), 6-30(3), 8-04(1), 8-30(1), 11-30(2),

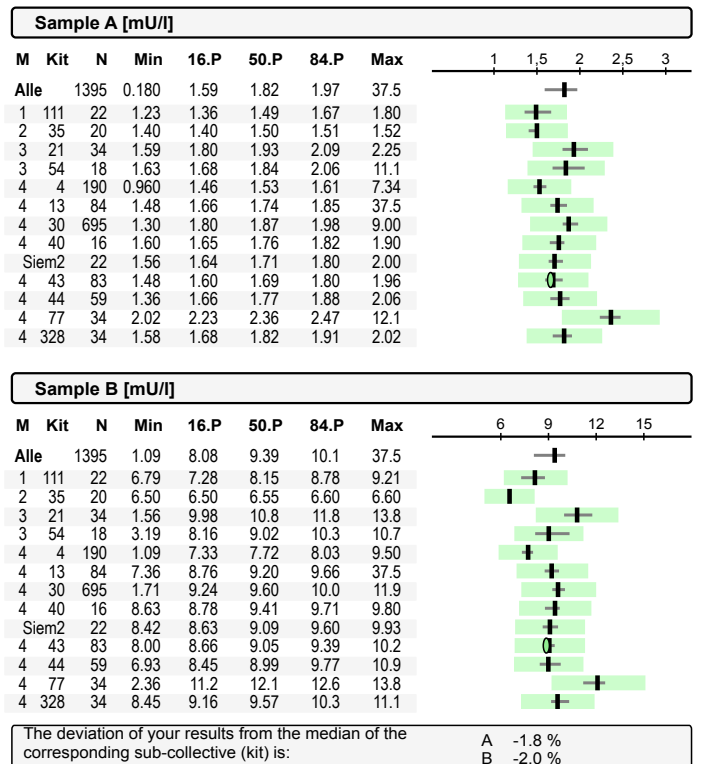
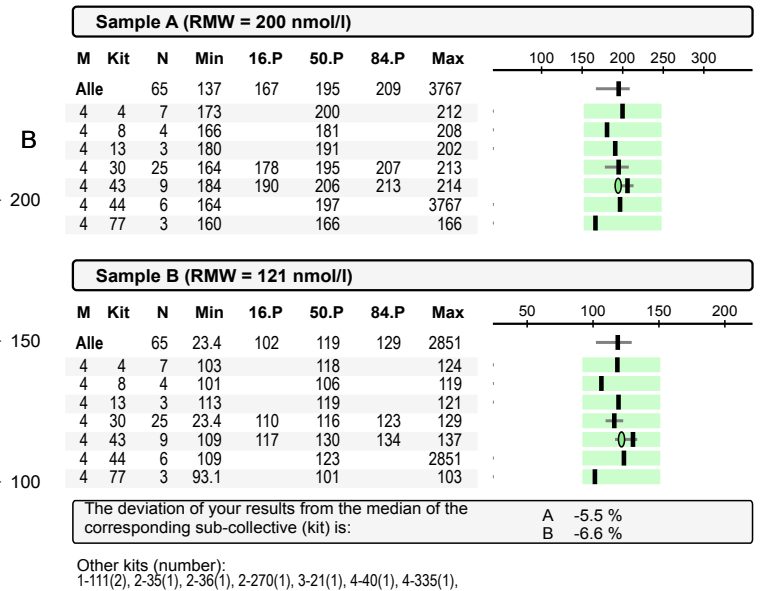


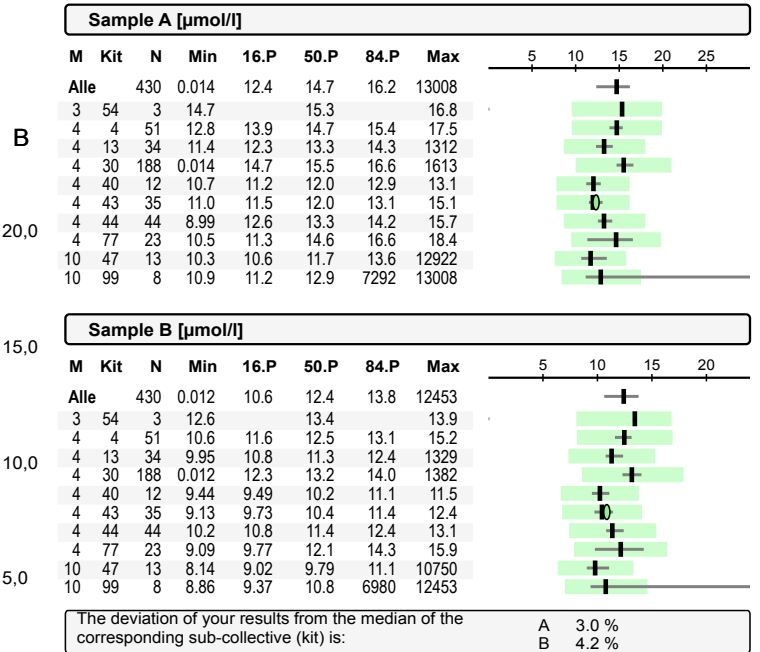
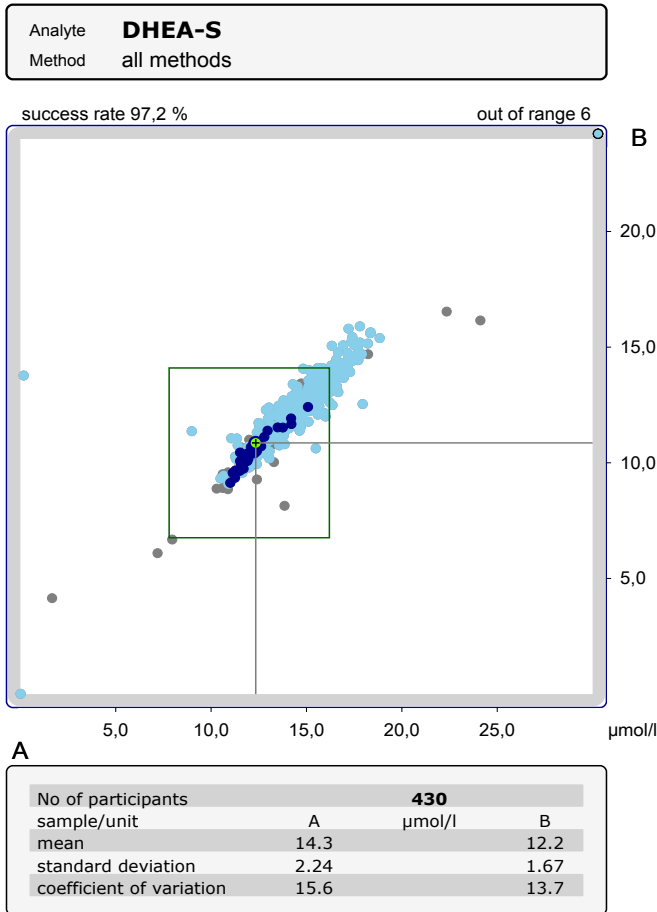


No of participants	65	
sample/unit	A	B
mean	190	117
standard deviation	19.3	10.9
coefficient of variation	10.1	9.37

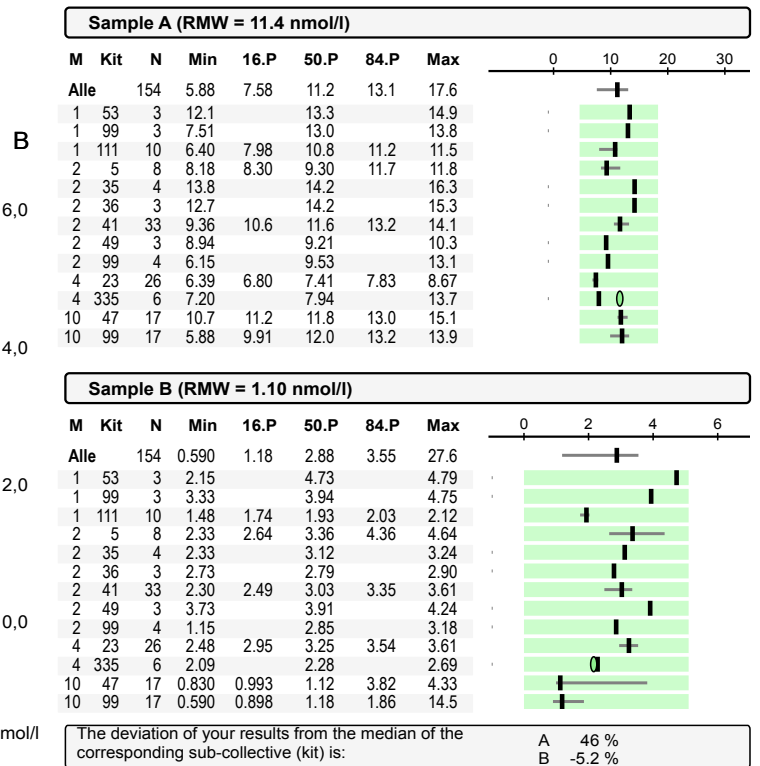
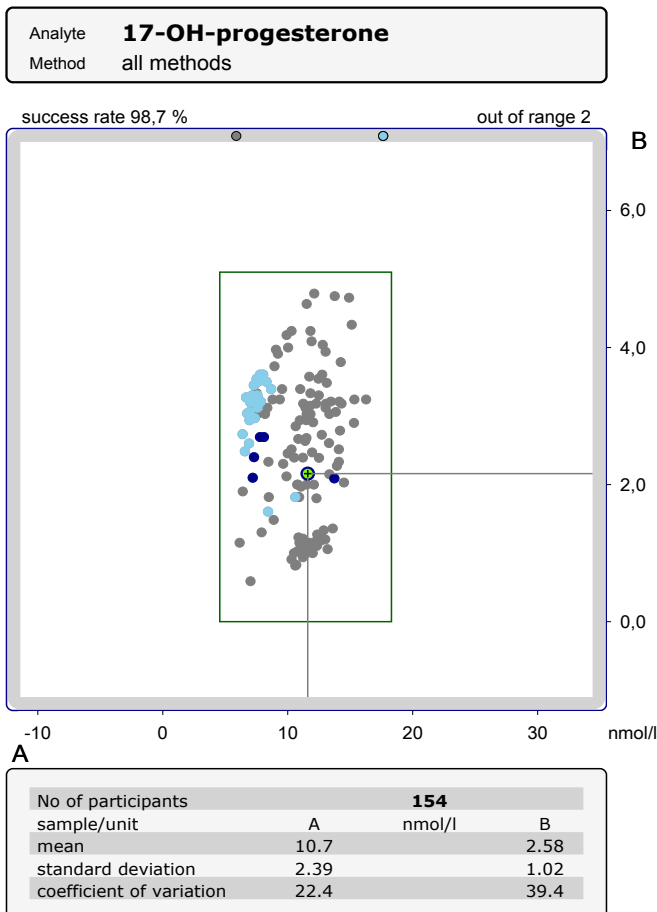


No of participants	1395	
sample/unit	A	B
mean	1.81	9.29
standard deviation	0.209	1.08
coefficient of variation	11.6	11.6

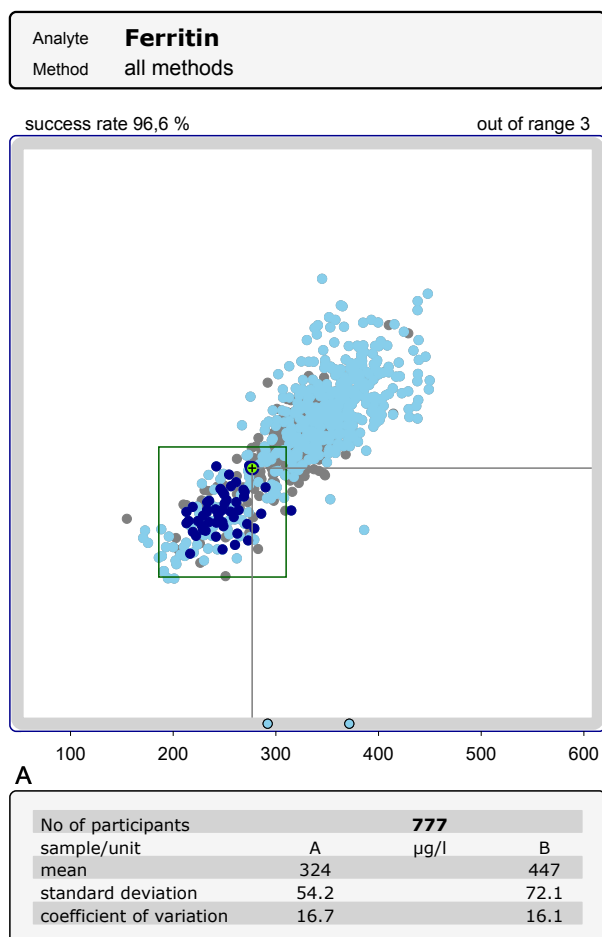




Other kits (number):
1-111(1), 1-130(1), 1-211(2), 2-35(1), 2-36(1), 2-41(1), 2-43(1), 2-99(1), 2-130(1), 2-270(1), 4-54(1), 4-335(1), 4-365(1), 6-30(1), 10-30(1), 10-75(1), 10-135(1), 11-30(1),



Other kits (number):
1-13(1), 1-41(1), 1-143(1), 2-42(1), 2-187(2), 2-270(1), 2-355(1), 4-13(1), 4-99(1), 4-365(1), 8-23(1), 10-30(1), 10-75(2), 10-134(2),



B

