



3707 E. Kearney
QEQMH
-

Groot Brittannië

INPUTS 2013.1

Survey	INPUTS 2013.1
Start date	January, 1 2013
Supervisor	dr. C. Weykamp MCA Laboratory Streekziekenhuis Koningin Beatrix Winterswijk
Subscriptions	93
Result sets	91

Scores	Your score	MAP	reported
Quantitative	26	32	



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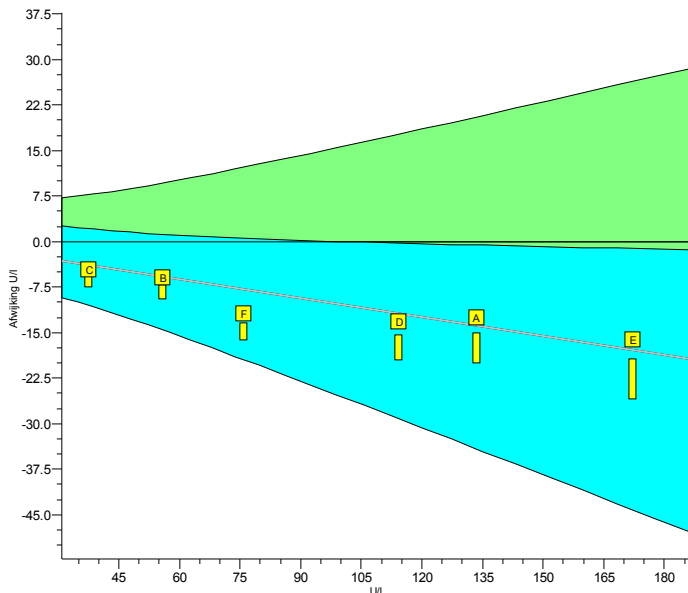
INPUTS 2013.1



Analyte		Trueness				Precision		Performance			
		your mean	ref.	cons.	SDtI	your prec.	SDbl	this survey	PS	cumulative PSc	
ALAT	U/l	87.5	98.2	85.7	7.9	3.5	2.3		1		1
Alk. Phosphatase	U/l	182	188	173	15	2	2		2		2
Amylase	U/l	172	207	175	17	4	3		1		1
Calcium	mmol/l	2.53	2.46	2.47	0.07	0.02	0.02		2		2
Chloride	mmol/l	100.7	100.0	100.8	1.8	0.5	0.9		2		2
CK	U/l	244	244	253	18	3	3		2		2
Creatinine	µmol/l	156.2	149.1	150.7	5.6	1.1	2.1		1		1
eGFR (F, 55, white)	ml/min/1,73m ²	35.8	37.6	37.4	2.6	0.6	0.6		2		2
Glucose	mmol/l	14.64	13.93	14.19	0.44	0.21	0.18		1		1
Magnesium	mmol/l	1.26	1.22	1.23	0.04	0.02	0.02		2		2
Potassium	mmol/l	5.31	5.39	5.30	0.10	0.03	0.04		2		2
Sodium	mmol/l	143.2	144.0	142.7	1.7	0.5	0.9		2		2
Total Protein	g/l	66.2	66.8	66.0	1.8	0.3	0.7		2		2
Urate	µmol/l	388	376	374	15	2	4		2		2
Cholesterol	mmol/l	5.30	5.07	5.15	0.14	0.08	0.05		1		1
HDL-Cholesterol	mmol/l	1.23	1.14	1.17	0.06	0.03	0.03		1		1
Total :									26		26

INPUTS 2013.1

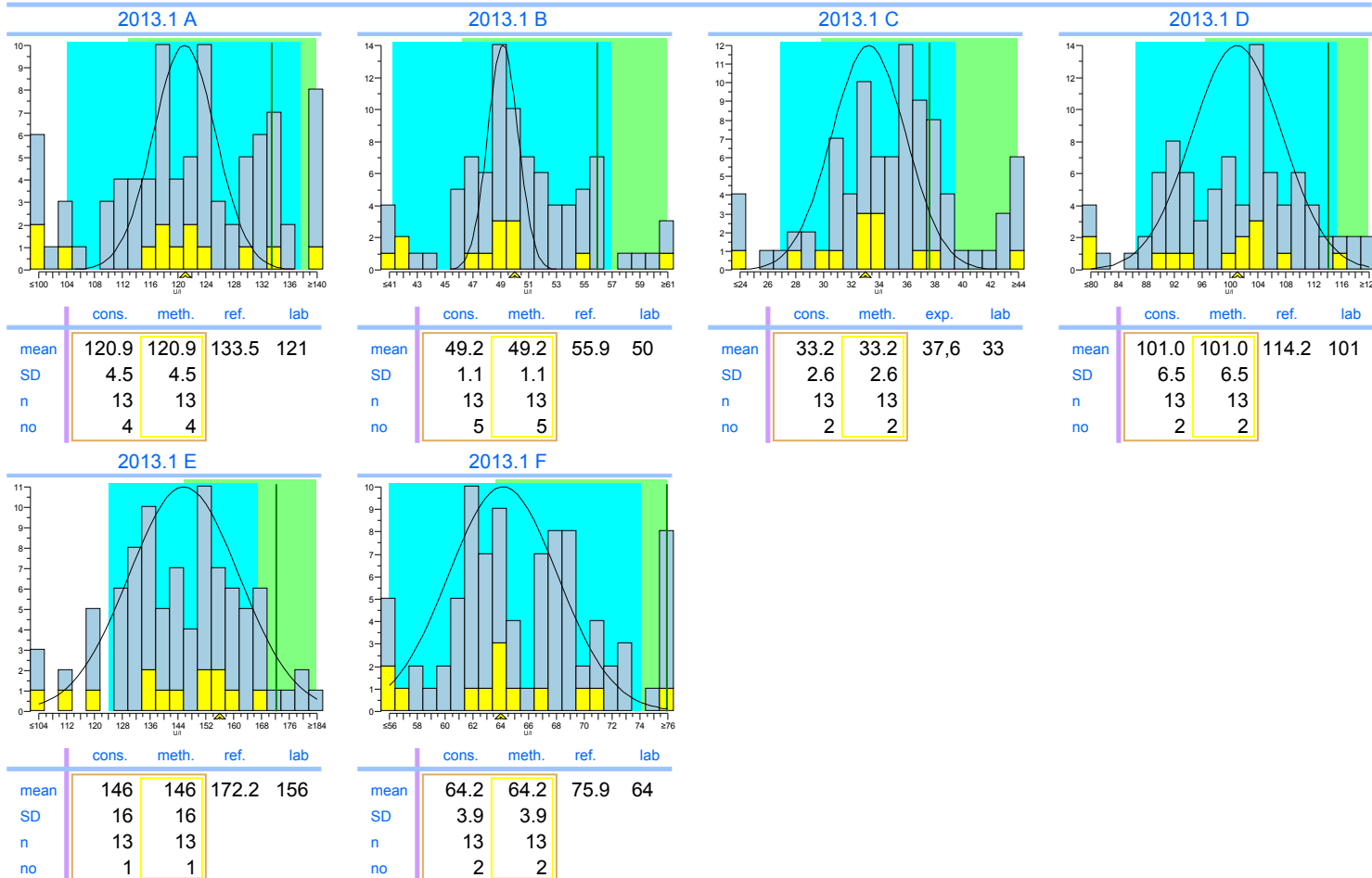
ALAT

units: U/l



	2013.1	cumulative
Trueness	-11%	-11%
Precision	4.1%	4.1%
Number	6	6
Outliers	0	0
Sigma-TE	3.6 1	3.6 1
Sigma-SA	1.9	1.9
Score pictogram		
Regression line	$0.0 + 0.896 \cdot x$	$0.0 + 0.896 \cdot x$

Consensus group: niet IFCC traceerbaar
Method: IFCC non-traceable



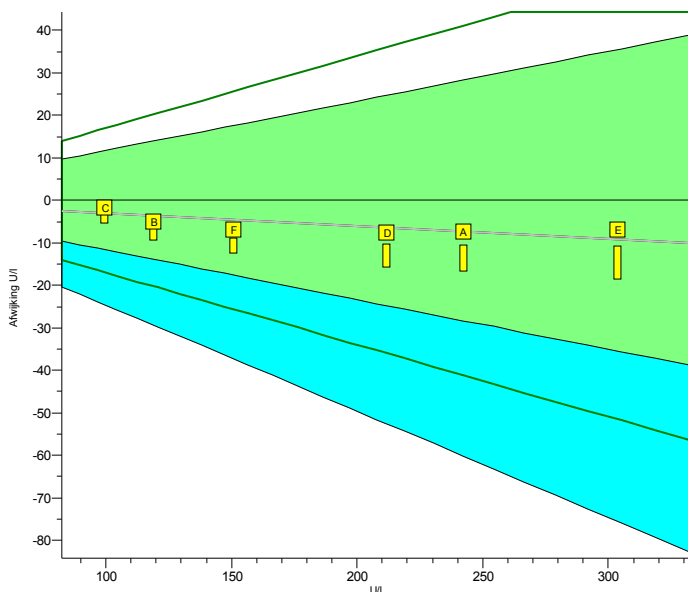
Legend



 IFCC non-traceable IFCC traceable

INPUTS 2013.1

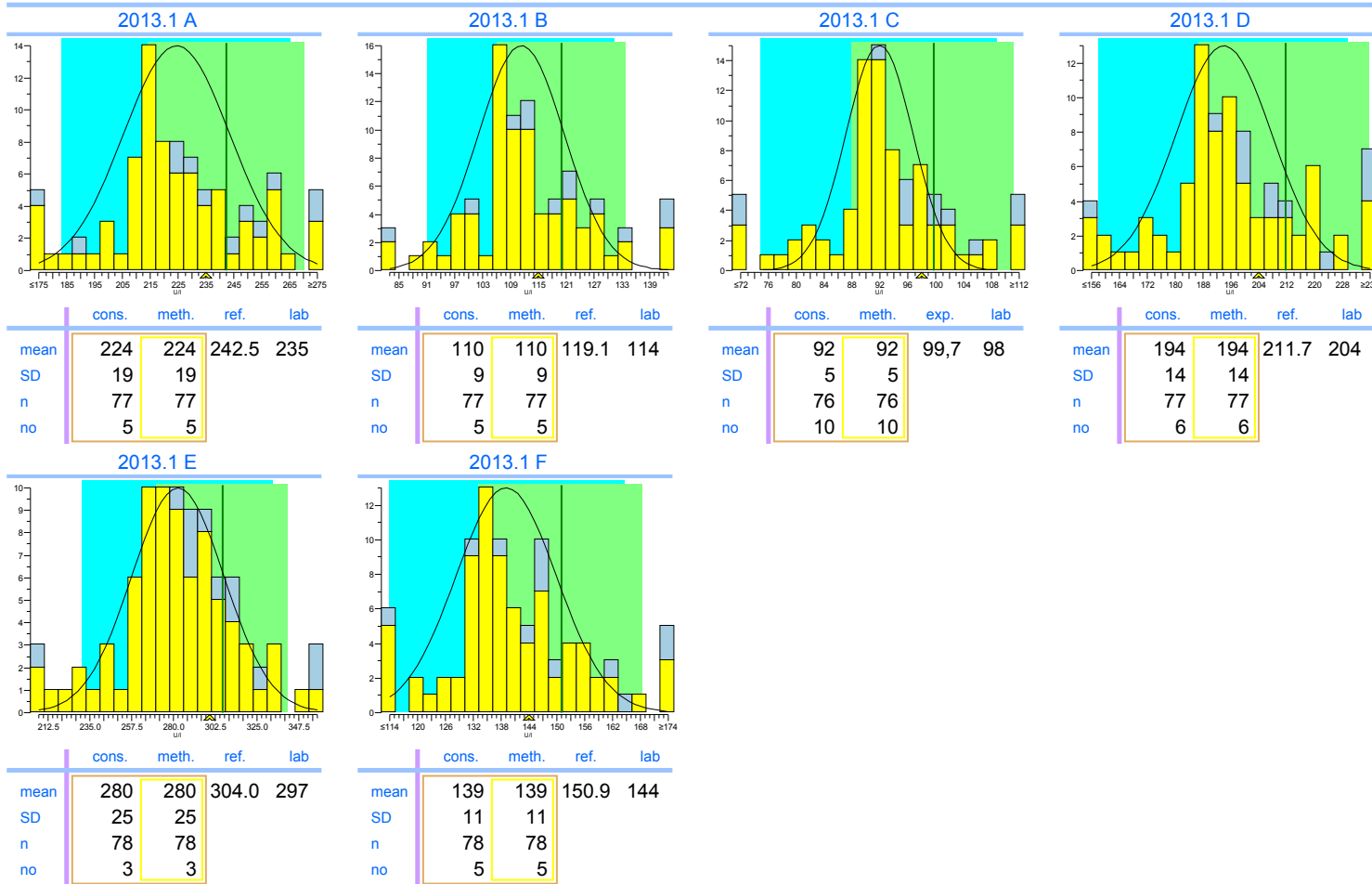
Alk. Phosphatase

units: U/l



	2013.1	cumulative
Trueness	-3.2%	-3.2%
Precision	1.1%	1.1%
Number	6	6
Outliers	0	0
Sigma-TE	6.0	6.0
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0 + 0.970 \cdot x$	$0 + 0.970 \cdot x$

Consensus group	IFCC traceerbaar
Method	IFCC traceable



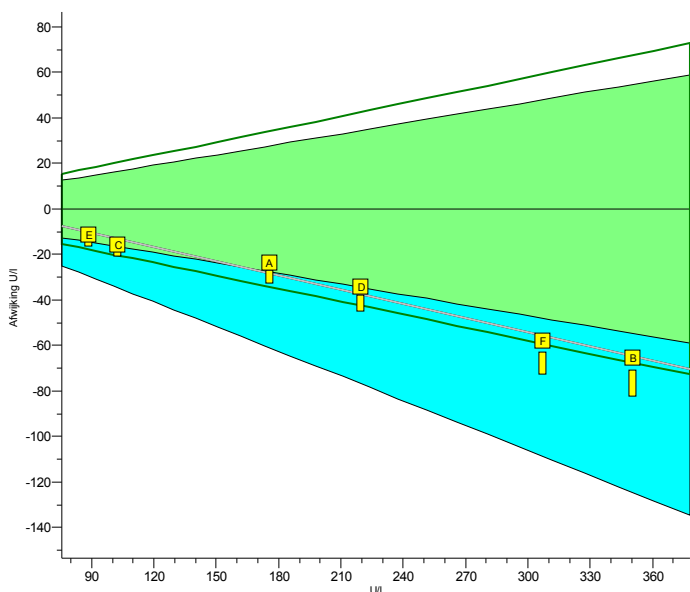
Legend



IFCC traceable IFCC non-traceable

INPUTS 2013.1

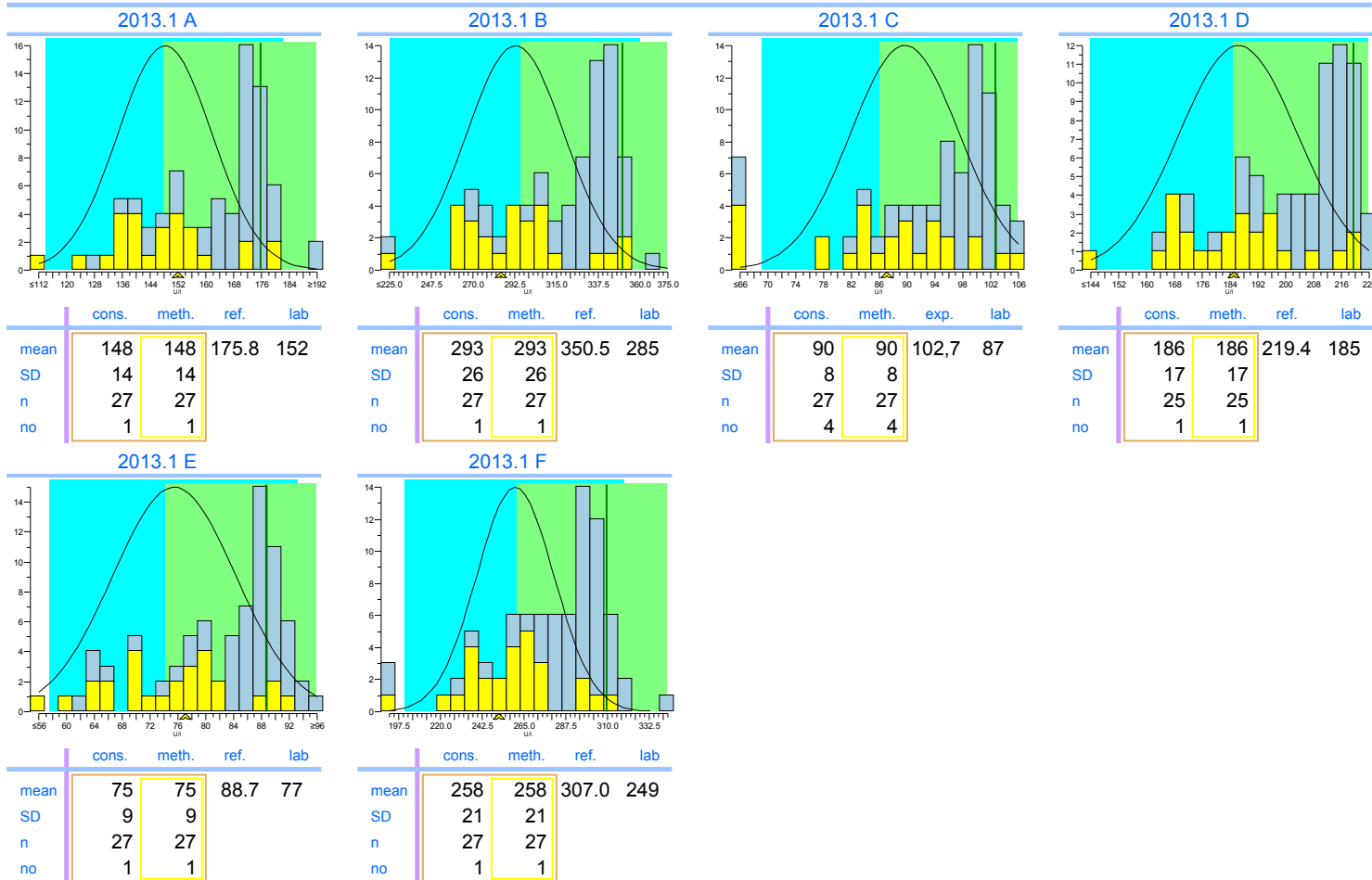
Amylase

units: U/l

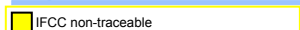
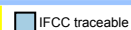


	2013.1	cumulative
Trueness	-17%	-17%
Precision	2.2%	2.2%
Number	6	6
Outliers	0	0
Sigma-TE	0.8	0.8
Sigma-SA	3.0	3.0
Score pictogram		
Regression line	$8 + 0.792 \cdot x$	$8 + 0.792 \cdot x$

Consensus group niet IFCC traceerbaar
Method IFCC non-traceable



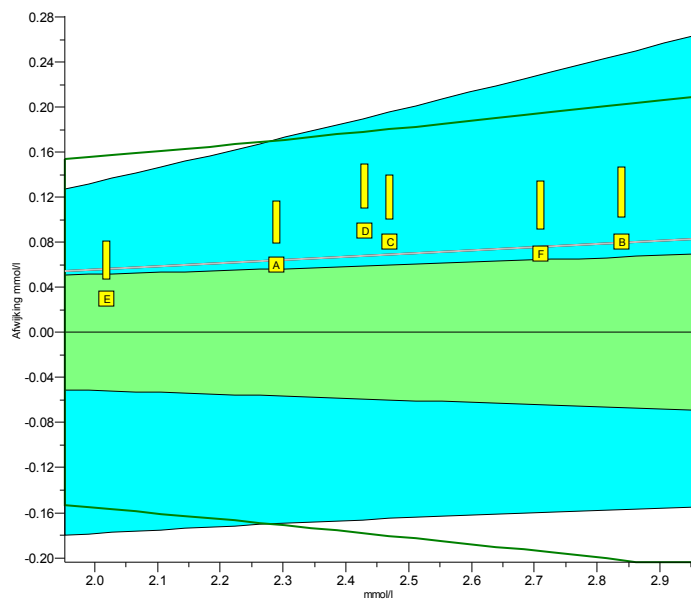
Legend

 IFCC non-traceable  IFCC traceable

INPUTS 2013.1

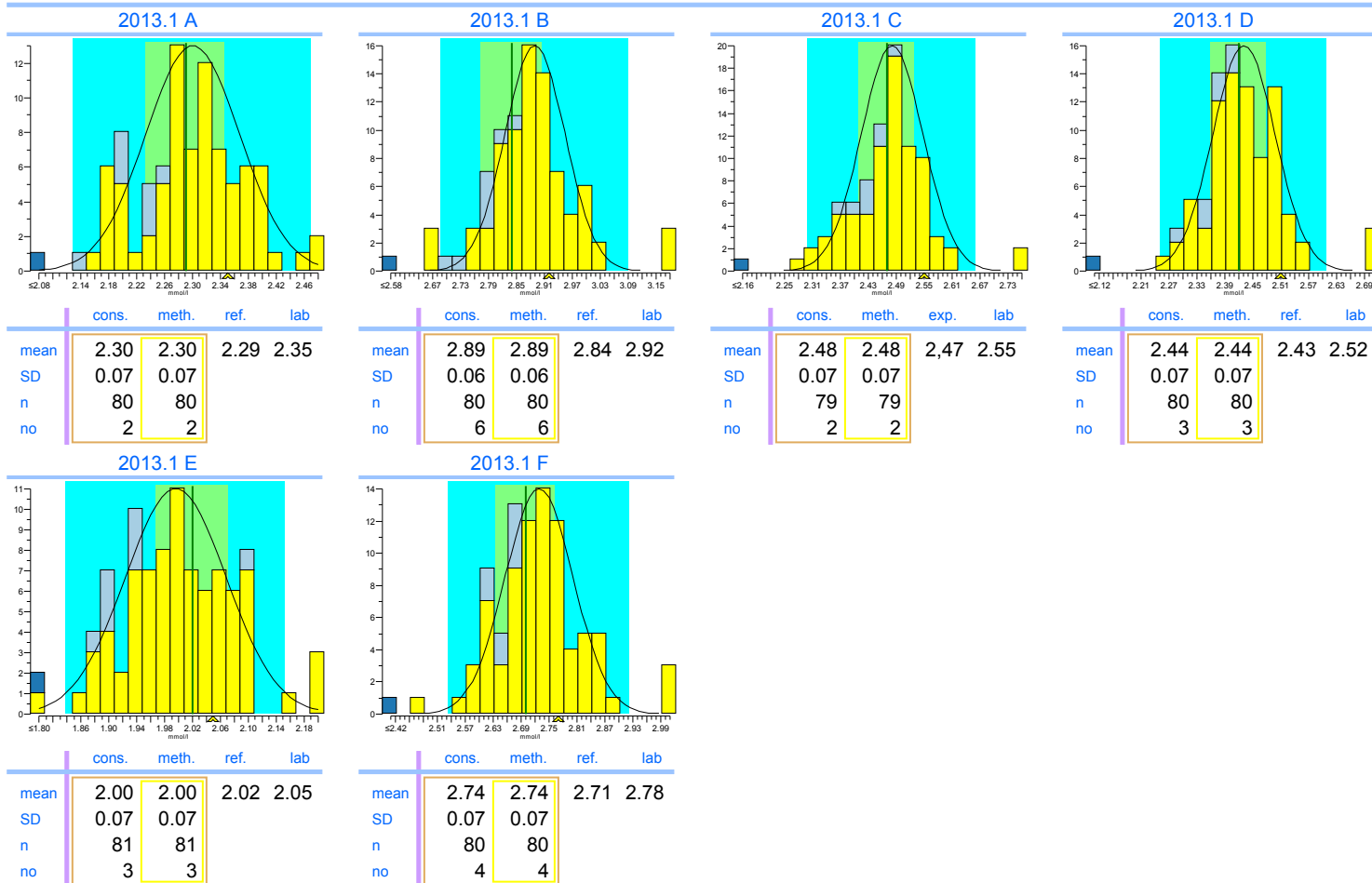
Calcium

units: mmol/l



	2013.1	cumulative
Trueness	+2.8%	+2.8%
Precision	0.65%	0.65%
Number	6	6
Outliers	0	0
Sigma-TE	0.3	0.3
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	<u>0.00 + 1.028.x</u>	<u>0.00 + 1.028.x</u>

Consensus group	Colorimetrisch
Method	Colorimetric, automatic, discrete



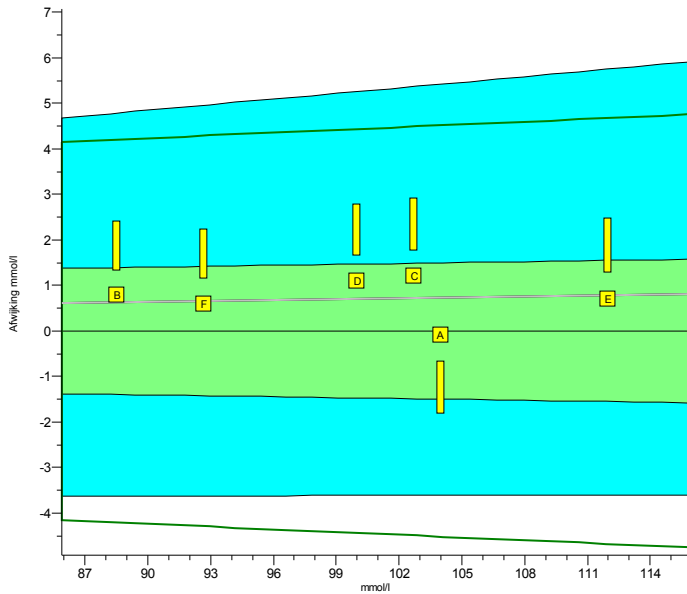
Legend

- Colorimetric, automatic, discrete
- ISE indirect (with predilution)
- Other methods

INPUTS 2013.1

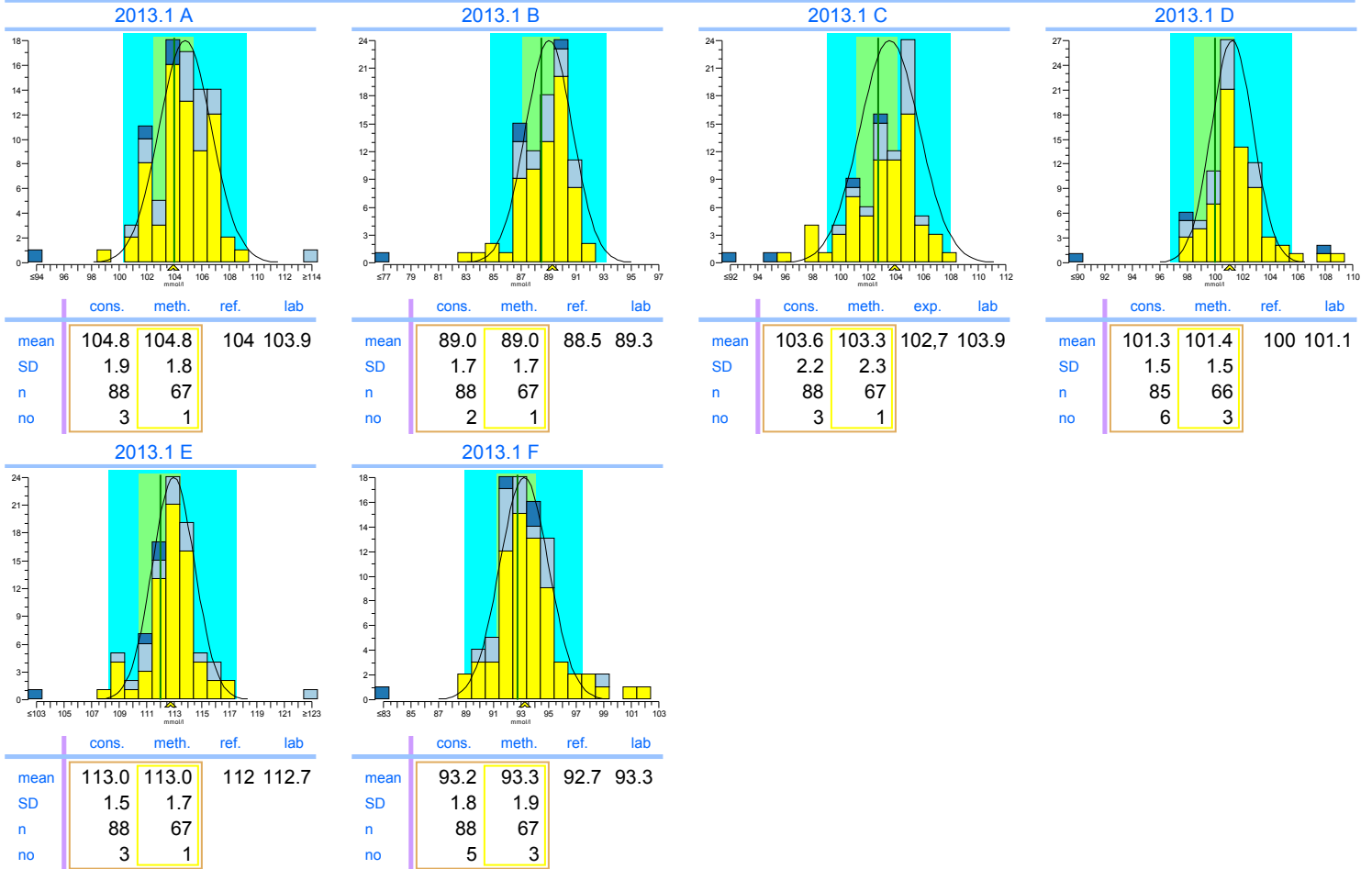
Chloride

units: mmol/l

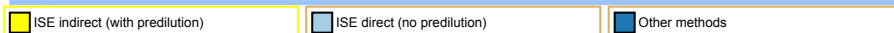


	2013.1	cumulative
Trueness	+0.72%	+0.72%
Precision	0.45%	0.45%
Number	6	6
Outliers	0	0
Sigma-TE	2.4	2.4
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.0 + 1.007 \cdot x$	$0.0 + 1.007 \cdot x$

Consensus group ISE/Colorimetrie
Method ISE indirect (with predilution)



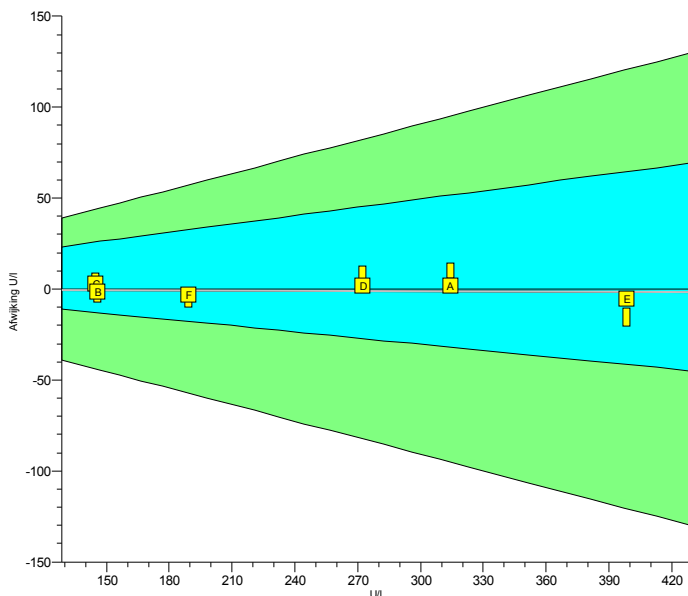
Legend



INPUTS 2013.1

CK

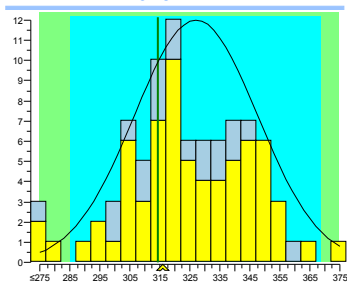
units: U/I



	2013.1	cumulative
Trueness	-0.27%	-0.27%
Precision	1.0%	1.0%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	$0 + 0.996.x$	$0 + 0.996.x$

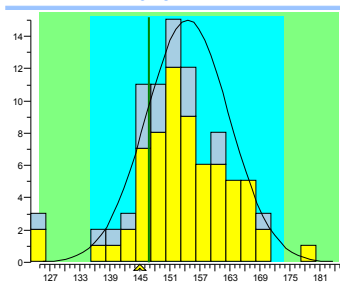
Consensus group IFCC traceerbaar
Method IFCC traceable

2013.1 A



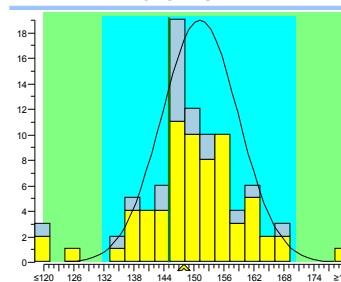
	cons.	meth.	ref.	lab
mean	327	327	314.3	316
SD	21	21		
n	68	68		
no	2	2		

2013.1 B



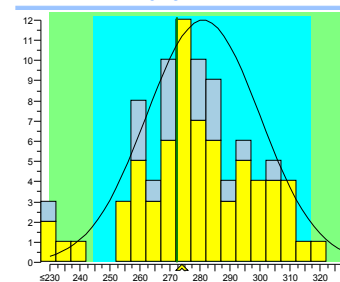
	cons.	meth.	ref.	lab
mean	154	154	145.8	144
SD	8	8		
n	67	67		
no	3	3		

2013.1 C



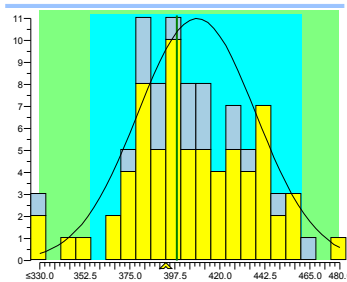
	cons.	meth.	exp.	lab
mean	151	151	145	148
SD	8	8		
n	68	68		
no	4	4		

2013.1 D



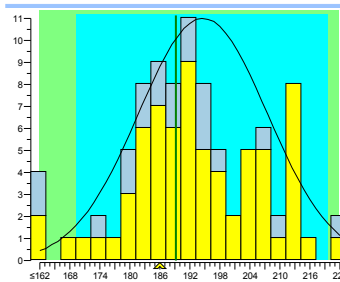
	cons.	meth.	ref.	lab
mean	281	281	272.3	274
SD	19	19		
n	69	69		
no	2	2		

2013.1 E



	cons.	meth.	ref.	lab
mean	409	409	398.4	393
SD	30	30		
n	69	69		
no	2	2		

2013.1 F



	cons.	meth.	ref.	lab
mean	195	195	189.2	186
SD	13	13		
n	69	69		
no	2	2		

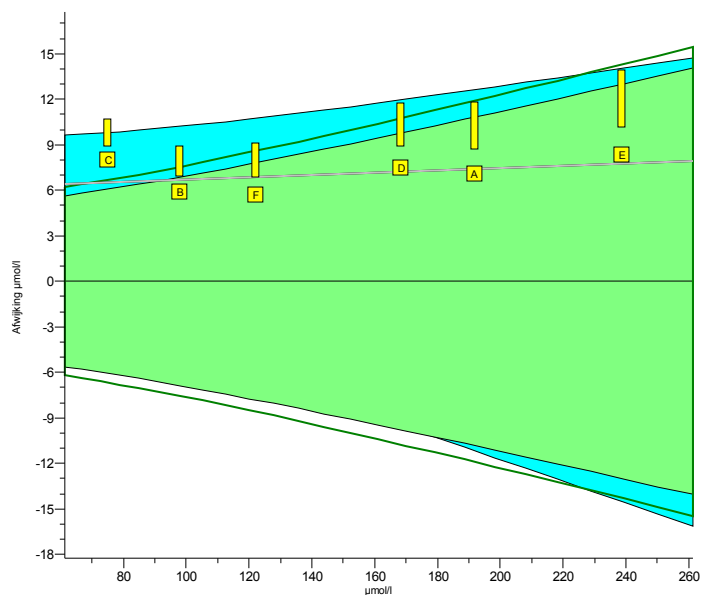
Legend





IFCC traceable IFCC non-traceable

INPUTS 2013.1

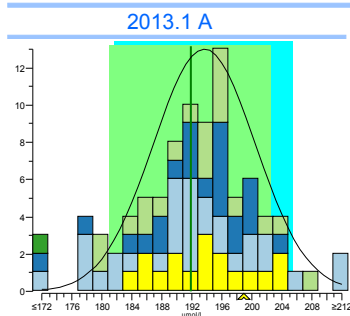
Creatinine

units: $\mu\text{mol/l}$

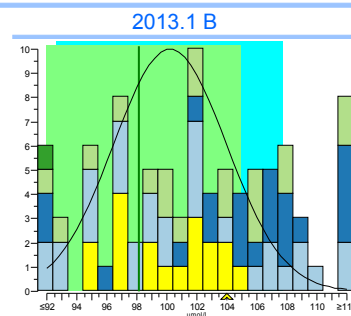


	2013.1	cumulative
Trueness	+4.8%	+4.8%
Precision	0.70%	0.70%
Number	6	6
Outliers	0	0
Sigma-TE	2.3	2.3
Sigma-SA	3.2 	3.2 
Score pictogram		
Regression line	$5.9 + 1.008 \cdot x$	$5.9 + 1.008 \cdot x$

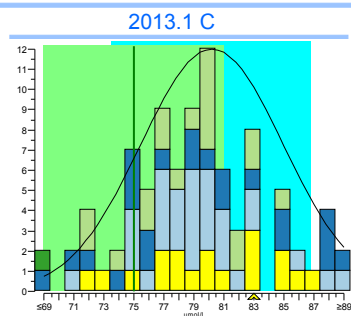
Consensus group	Enzymatische kreatinine
Method	Enzymatic, automatic



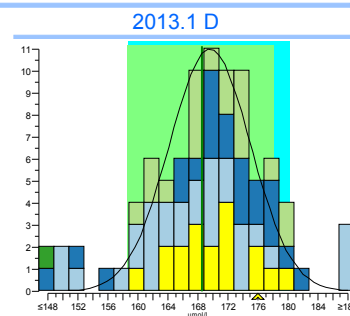
	cons.	meth.	ref.	lab
mean	193.7	193.7	191.9	199
SD	6.8	6.8		
n	17	17		
no	0	0		



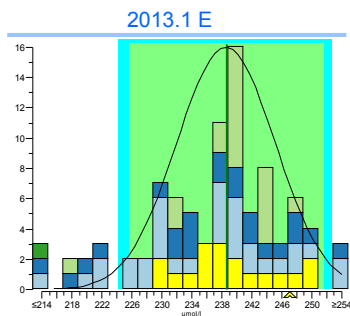
	cons.	meth.	ref.	lab
mean	100.2	100.2	98.11	104
SD	3.8	3.8		
n	18	18		
no	0	0		



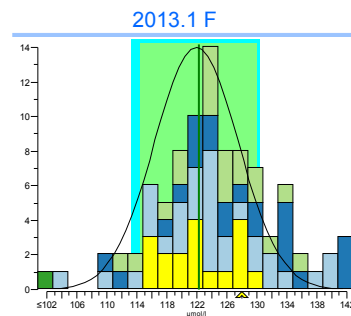
	cons.	meth.	exp.	lab
mean	80.2	80.2	75	83
SD	4.7	4.7		
n	18	18		
no	0	0		



	cons.	meth.	ref.	lab
mean	169.6	169.6	168.5	176
SD	5.4	5.4		
n	18	18		
no	0	0		



	cons.	meth.	ref.	lab
mean	238.5	238.5	238.7	247
SD	6.6	6.6		
n	18	18		
no	0	0		



	cons.	meth.	ref.	lab
mean	121.9	121.9	122.3	128
SD	5.6	5.6		
n	18	18		
no	0	0		

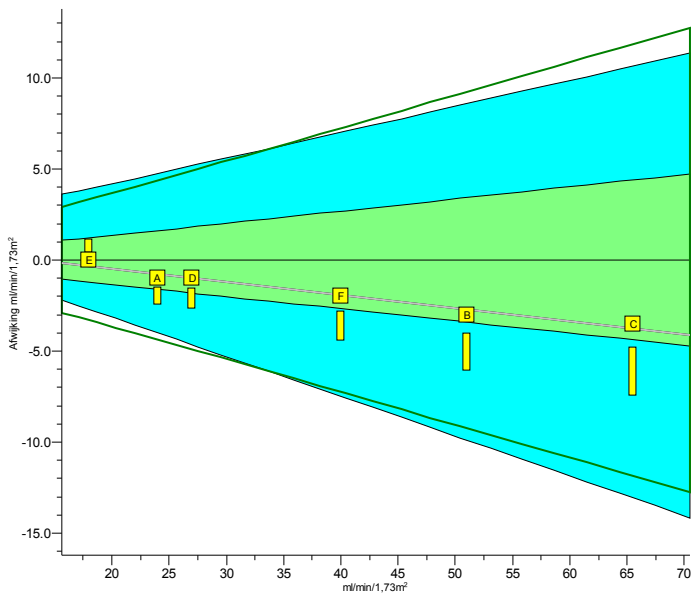
Legend

- Enzymatic, automatic
- Alk. Picrate, kinetic with compensation
- Alk. Picrate, kinetic
- Alk. Picrate, endpoint
- Other methods

INPUTS 2013.1

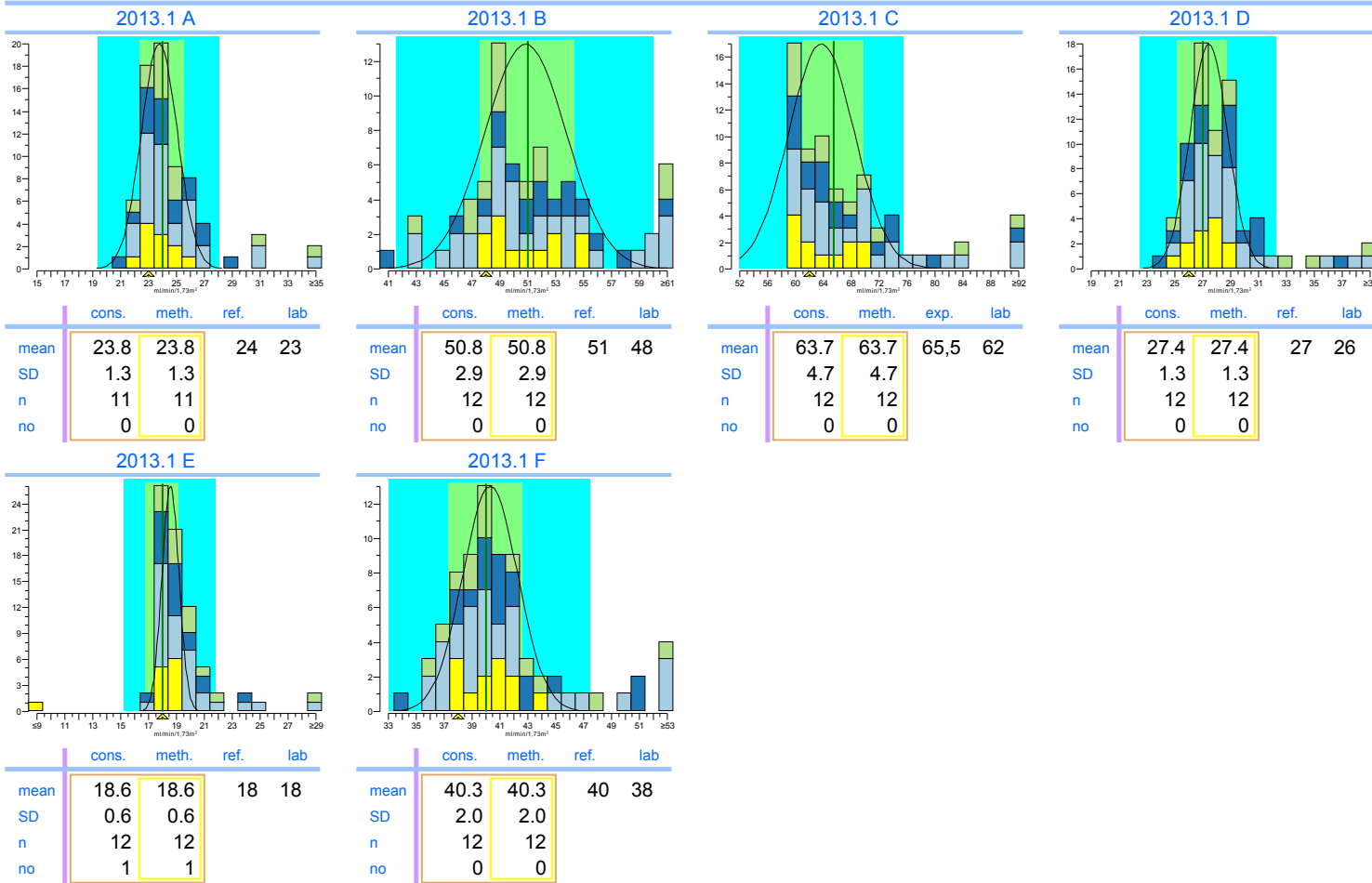
eGFR (F, 55, white)

units: ml/min/1,73m²



	2013.1	cumulative
Trueness	-4.7%	-4.7%
Precision	1.7%	1.7%
Number	6	6
Outliers	0	0
Sigma-TE	2.3	2.3
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$1.0 + 0.928.x$	$1.0 + 0.928.x$

Consensus group Enzymatische kreatinine
Method Enzymatic, automatic



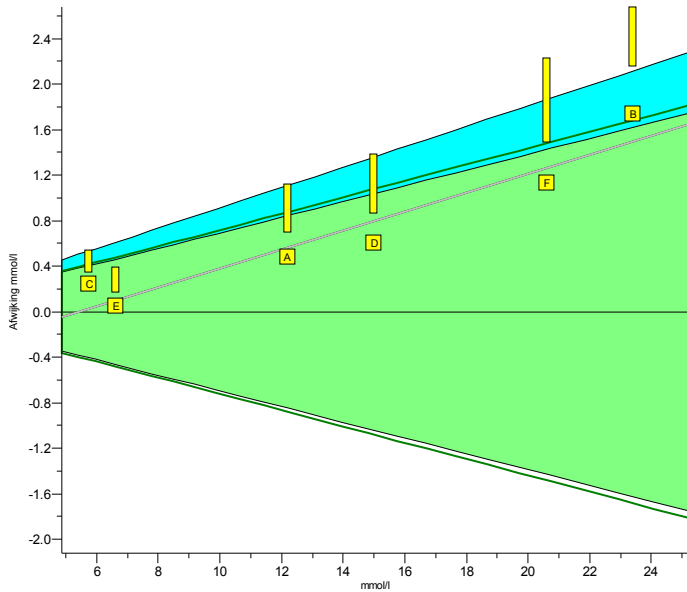
Legend



- Enzymatic, automatic
- Other methods
- Alk. Picrate, kinetic with compensation
- Alk. Picrate, kinetic

INPUTS 2013.1

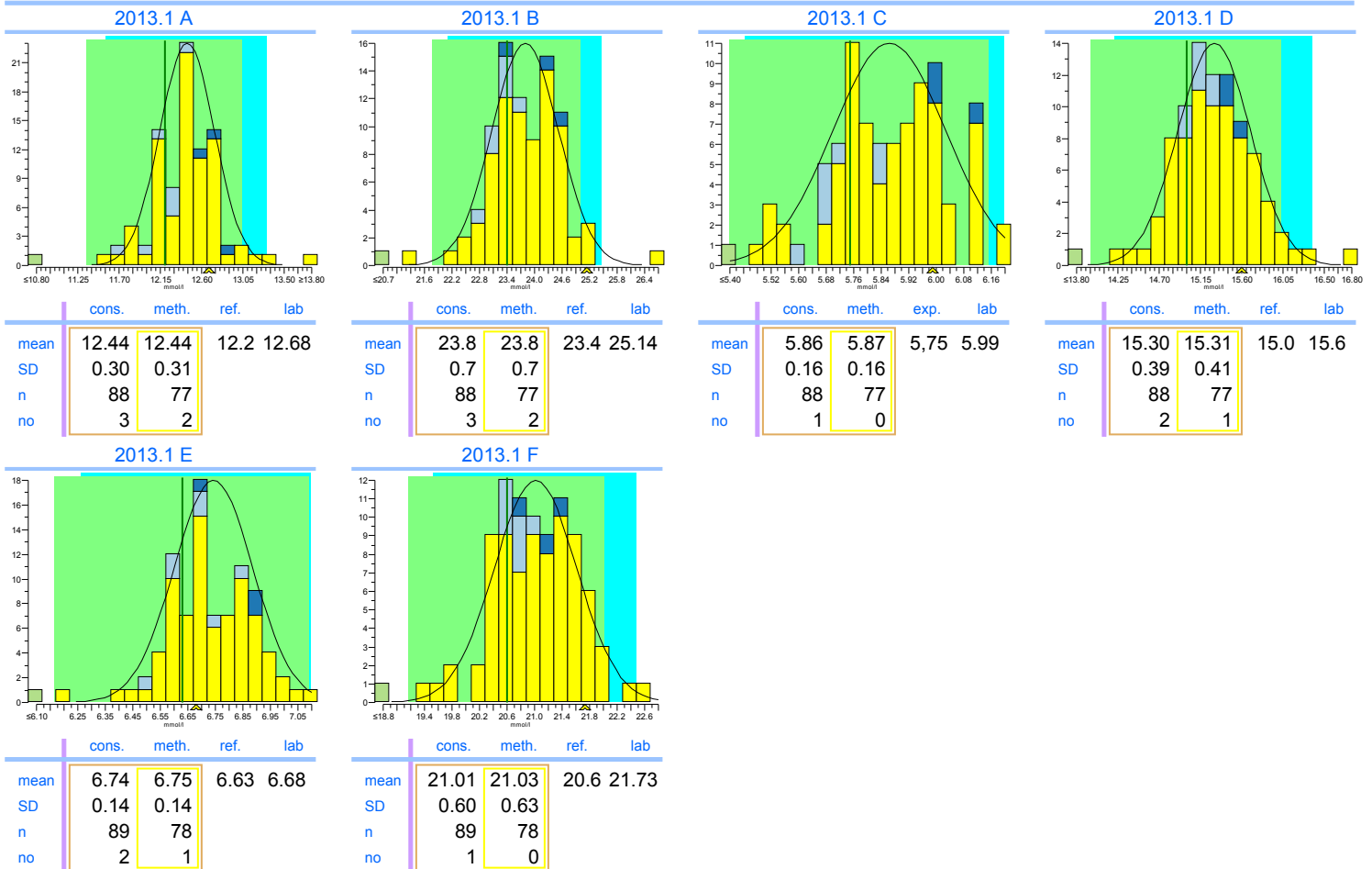
Glucose

units: mmol/l



	2013.1	cumulative
Trueness	+5.1%	+5.1%
Precision	1.5%	1.5%
Number	6	6
Outliers	0	0
Sigma-TE	2.7	2.7
Sigma-SA	2.9 1	2.9 1
Score pictogram		
Regression line	$-0.45 + 1.083 \cdot x$	$-0.45 + 1.083 \cdot x$

Consensus group Natte chemie
Method Hexokinase, automatic



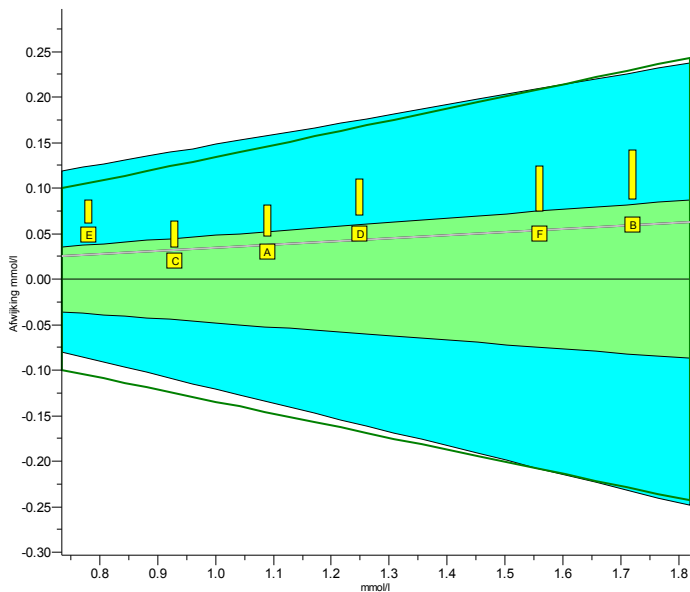
Legend

- Hexokinase, automatic
- Glucose-oxidase, amperometric, H2O2
- Glucose-oxidase/POD, automatic
- Other methods

INPUTS 2013.1

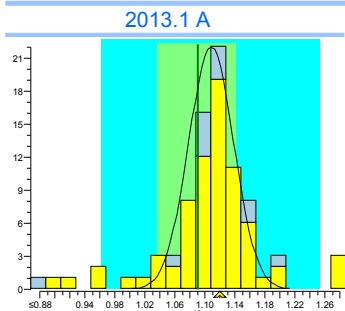
Magnesium

units: mmol/l

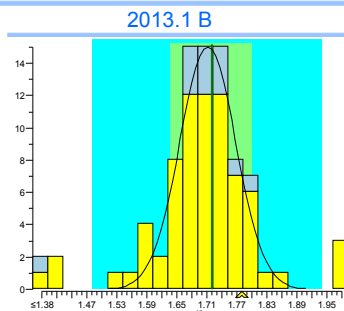


	2013.1	cumulative
Trueness	+3.5%	+3.5%
Precision	1.3%	1.3%
Number	6	6
Outliers	0	0
Sigma-TE	1.7	1.7
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.00 + 1.035.x$	$0.00 + 1.035.x$

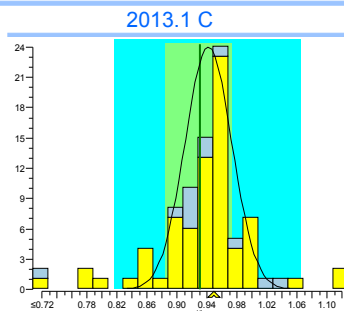
Consensus group	Overall
Method	Colorimetric



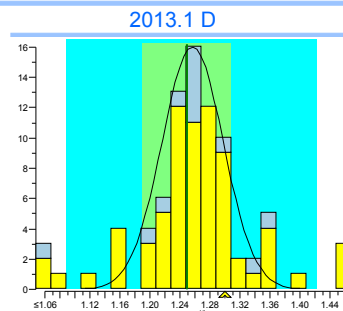
	cons.	meth.	ref.	lab
mean	1.11	1.11	1.09	1.12
SD	0.03	0.03		
n	85	73		
no	11	10		



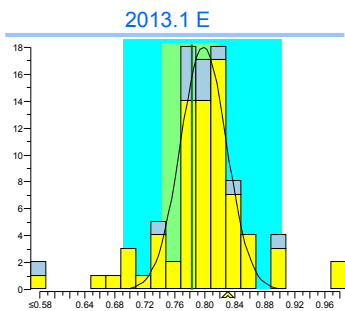
	cons.	meth.	ref.	lab
mean	1.71	1.71	1.72	1.78
SD	0.06	0.06		
n	85	73		
no	8	7		



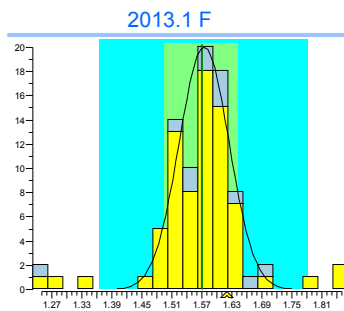
	cons.	meth.	exp.	lab
mean	0.94	0.94	0.93	0.95
SD	0.03	0.03		
n	85	73		
no	9	8		



	cons.	meth.	ref.	lab
mean	1.26	1.26	1.25	1.30
SD	0.04	0.05		
n	83	71		
no	9	8		



	cons.	meth.	ref.	lab
mean	0.798	0.799	0.782	0.83
SD	0.031	0.031		
n	86	74		
no	13	11		



	cons.	meth.	ref.	lab
mean	1.56	1.56	1.56	1.61
SD	0.05	0.05		
n	86	74		
no	7	6		

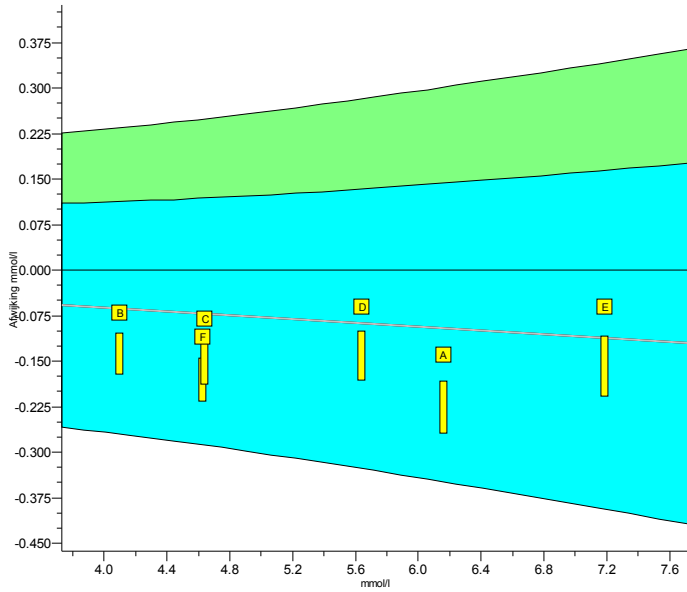
Legend

- Colorimetric
- Other methods

INPUTS 2013.1

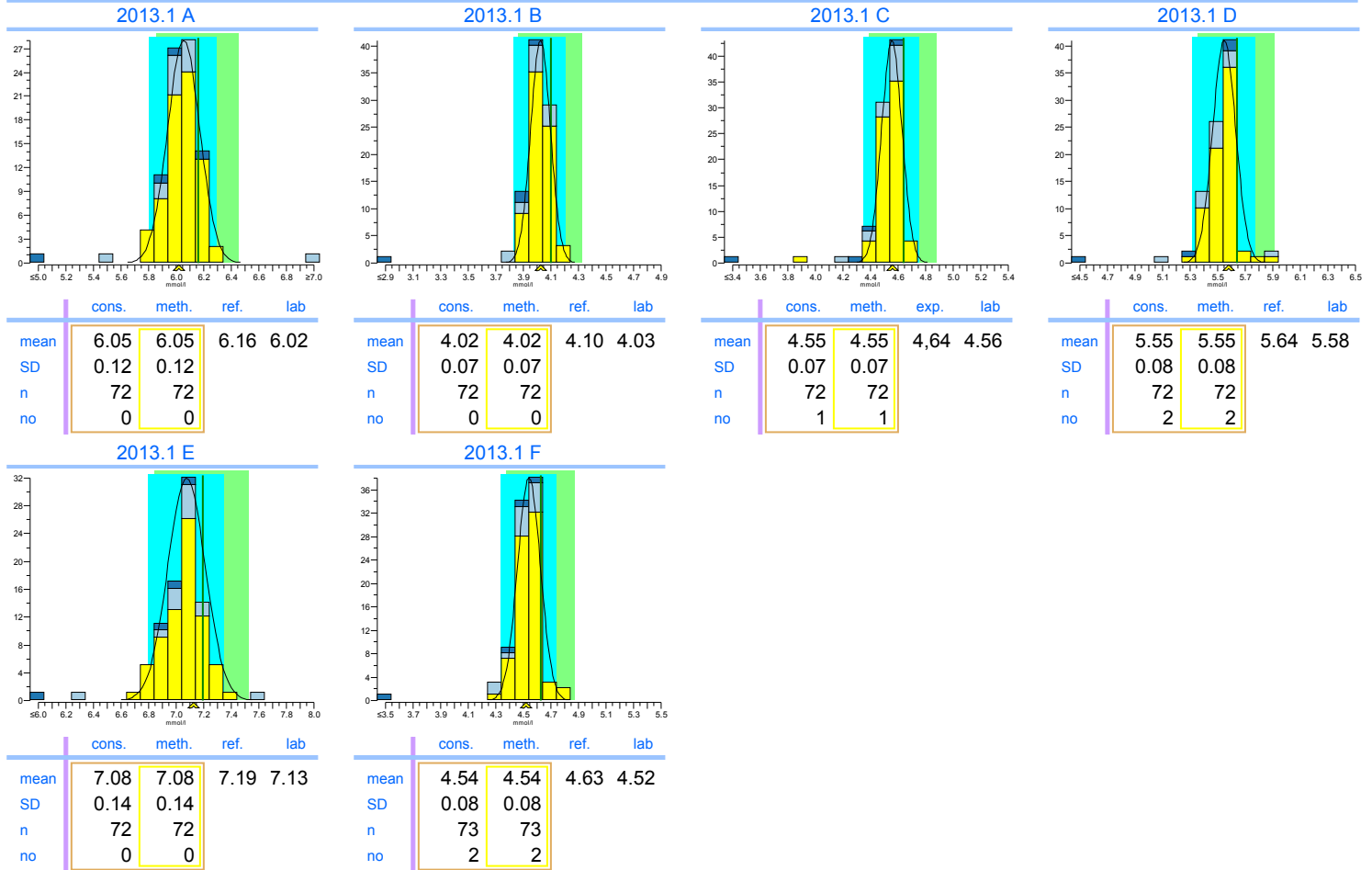
Potassium

units: mmol/l



	2013.1	cumulative
Trueness	-1.6%	-1.6%
Precision	0.61%	0.61%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	5.0	5.0
Score pictogram		
Regression line	<u>0.00 + 0.985.x</u>	<u>0.00 + 0.985.x</u>

Consensus group ISE verdund/Vlamfotometrie
Method ISE indirect (with predilution)



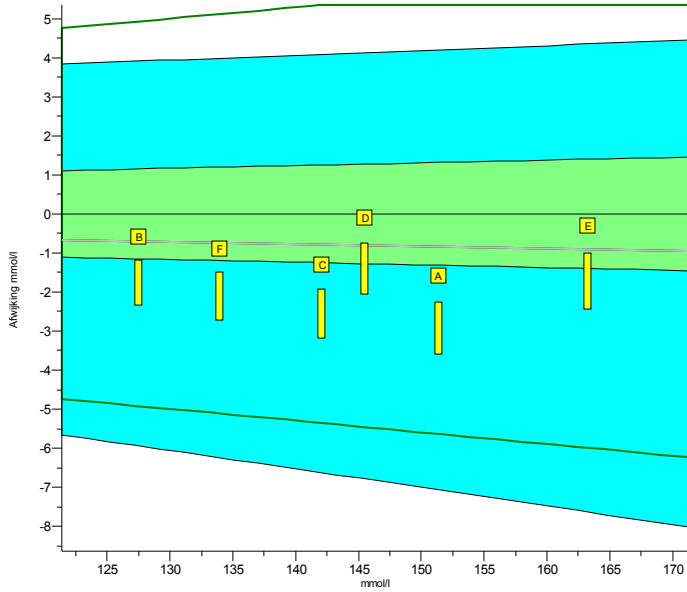
Legend

- ISE indirect (with predilution)
- ISE direct (no predilution)
- Other methods

INPUTS 2013.1

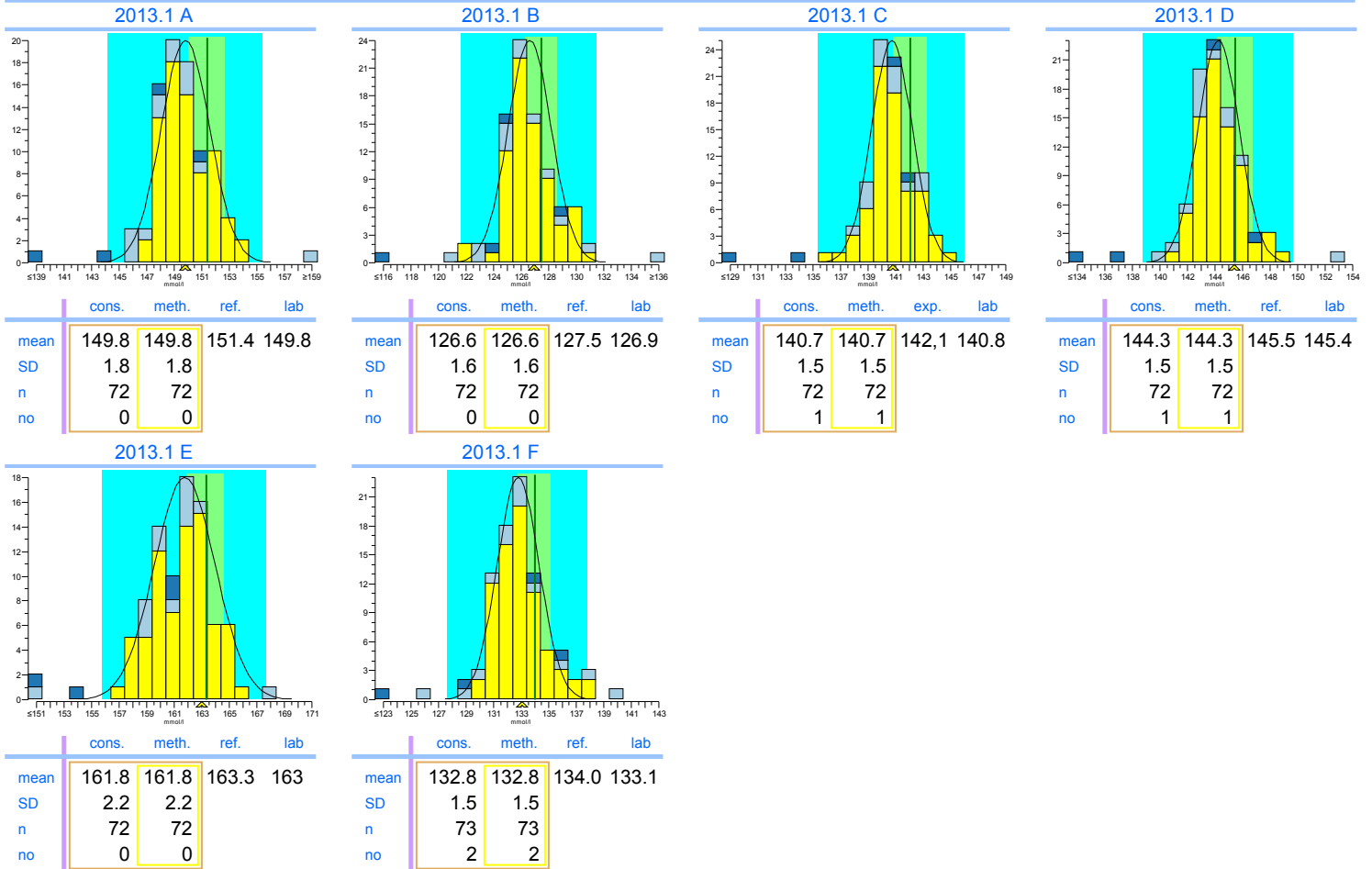
Sodium

units: mmol/l



	2013.1	cumulative
Trueness	-0.56%	-0.56%
Precision	0.37%	0.37%
Number	6	6
Outliers	0	0
Sigma-TE	1.7	1.7
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.0 + 0.995 \cdot x$	$0.0 + 0.995 \cdot x$

Consensus group ISE verdund/Vlamfotometrie
Method ISE indirect (with predilution)



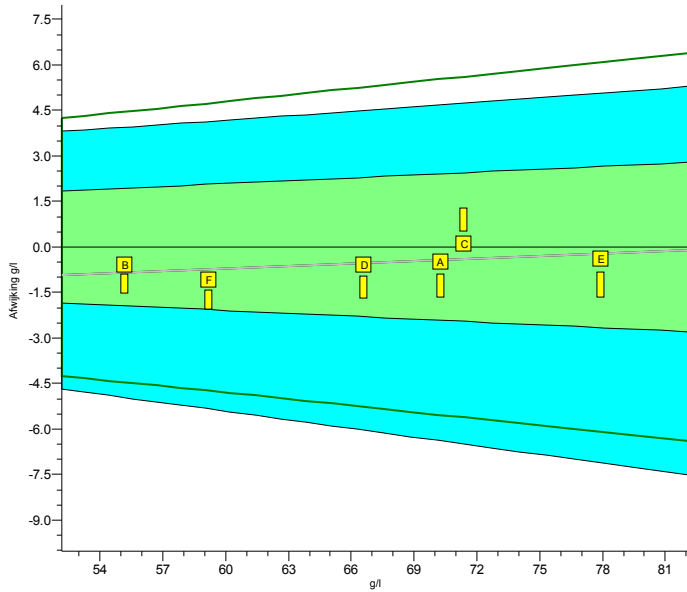
Legend

- ISE indirect (with predilution)
- ISE direct (no predilution)
- Other methods

INPUTS 2013.1

Total Protein

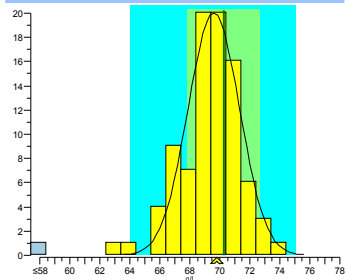
units: g/l



	2013.1	cumulative
Trueness	-0.77%	-0.77%
Precision	0.46%	0.46%
Number	6	6
Outliers	0	0
Sigma-TE	6.0	6.0
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$-2.4 + 1.028.x$	$-2.4 + 1.028.x$

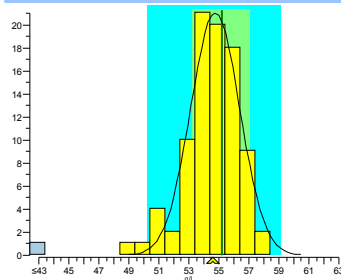
Consensus group: Biureet
Method: Biurete, automatic

2013.1 A



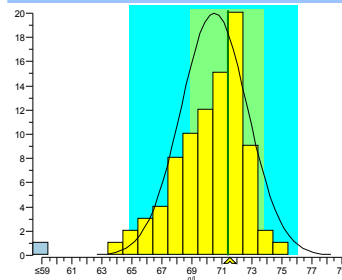
	cons.	meth.	ref.	lab
mean	69.6	69.6	70.3	69.8
SD	1.7	1.7		
n	88	88		
no	2	2		

2013.1 B



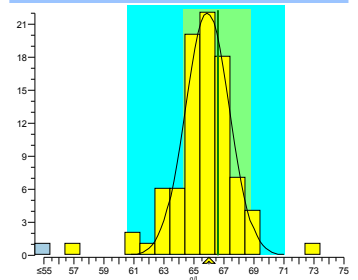
	cons.	meth.	ref.	lab
mean	54.8	54.8	55.2	54.6
SD	1.6	1.6		
n	88	88		
no	1	1		

2013.1 C



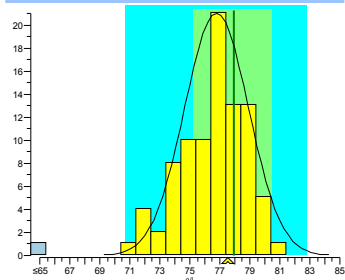
	cons.	meth.	exp.	lab
mean	70.5	70.5	71.4	71.5
SD	2.2	2.2		
n	87	87		
no	0	0		

2013.1 D



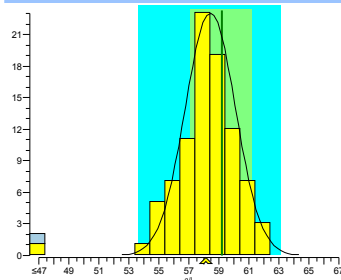
	cons.	meth.	ref.	lab
mean	65.9	65.9	66.6	66
SD	1.5	1.5		
n	88	88		
no	4	4		

2013.1 E



	cons.	meth.	ref.	lab
mean	76.8	76.8	77.9	77.5
SD	2.1	2.1		
n	88	88		
no	0	0		

2013.1 F



	cons.	meth.	ref.	lab
mean	58.4	58.4	59.2	58.1
SD	1.7	1.7		
n	89	89		
no	1	1		

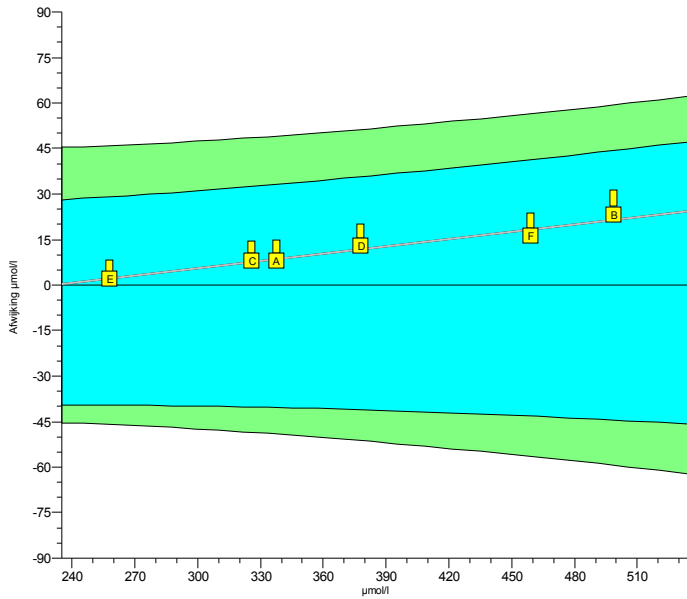
Legend

 Biurete, automatic Other methods

INPUTS 2013.1

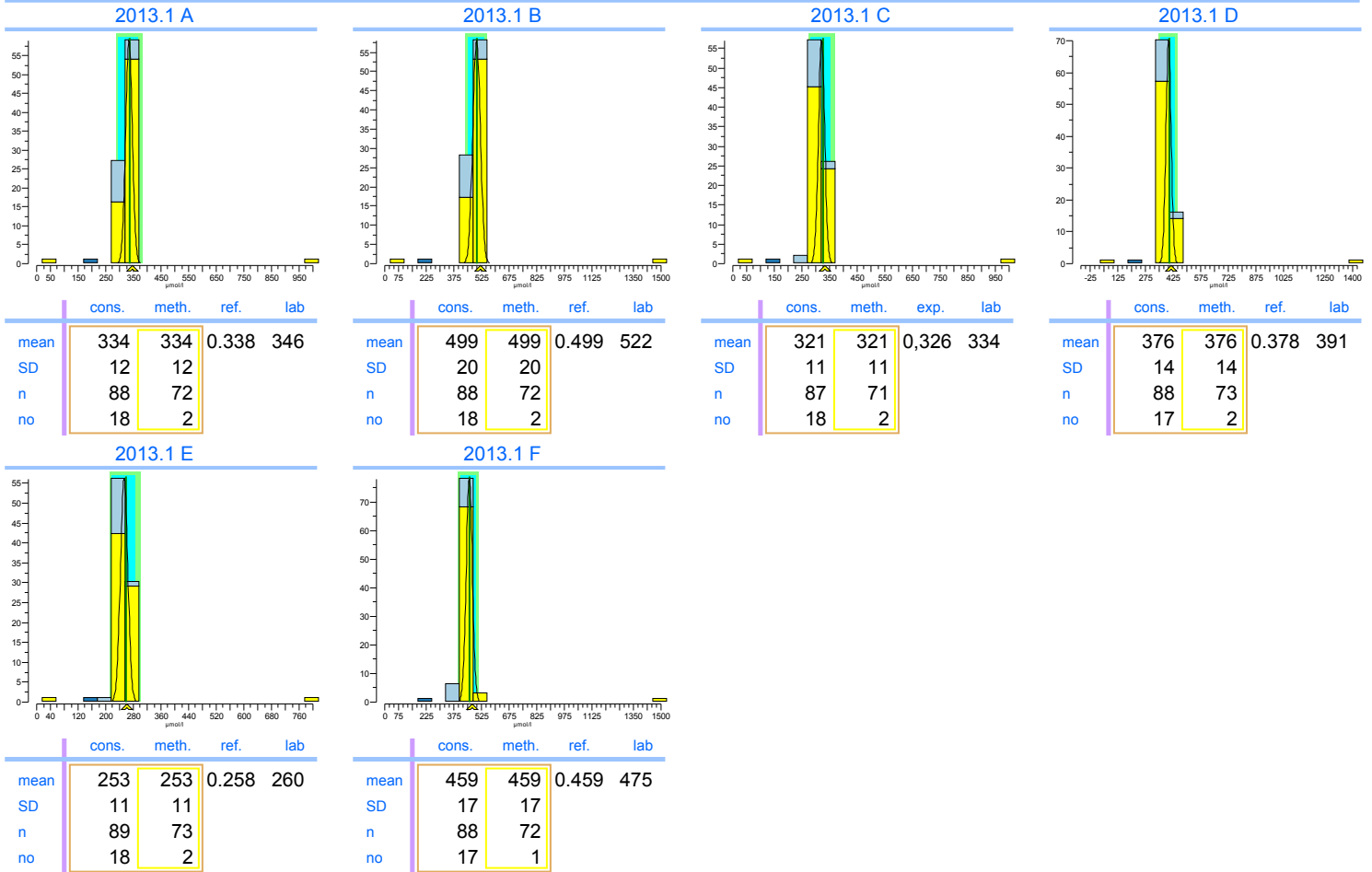
Urate

units: $\mu\text{mol/l}$



	2013.1	cumulative
Trueness	+3.1%	+3.1%
Precision	0.51%	0.51%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	$0 + 1.081.x$	$0 + 1.081.x$

Consensus group: Colorimetrisch
Method: Uricase, colorim., automatic



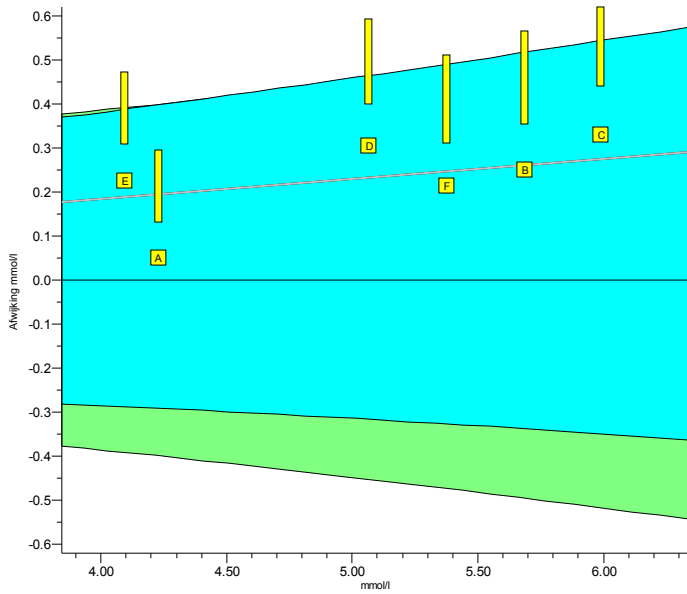
Legend

- Uricase, colorim., automatic
- Uricase, differential UV, automatic
- Overige methoden

INPUTS 2013.1

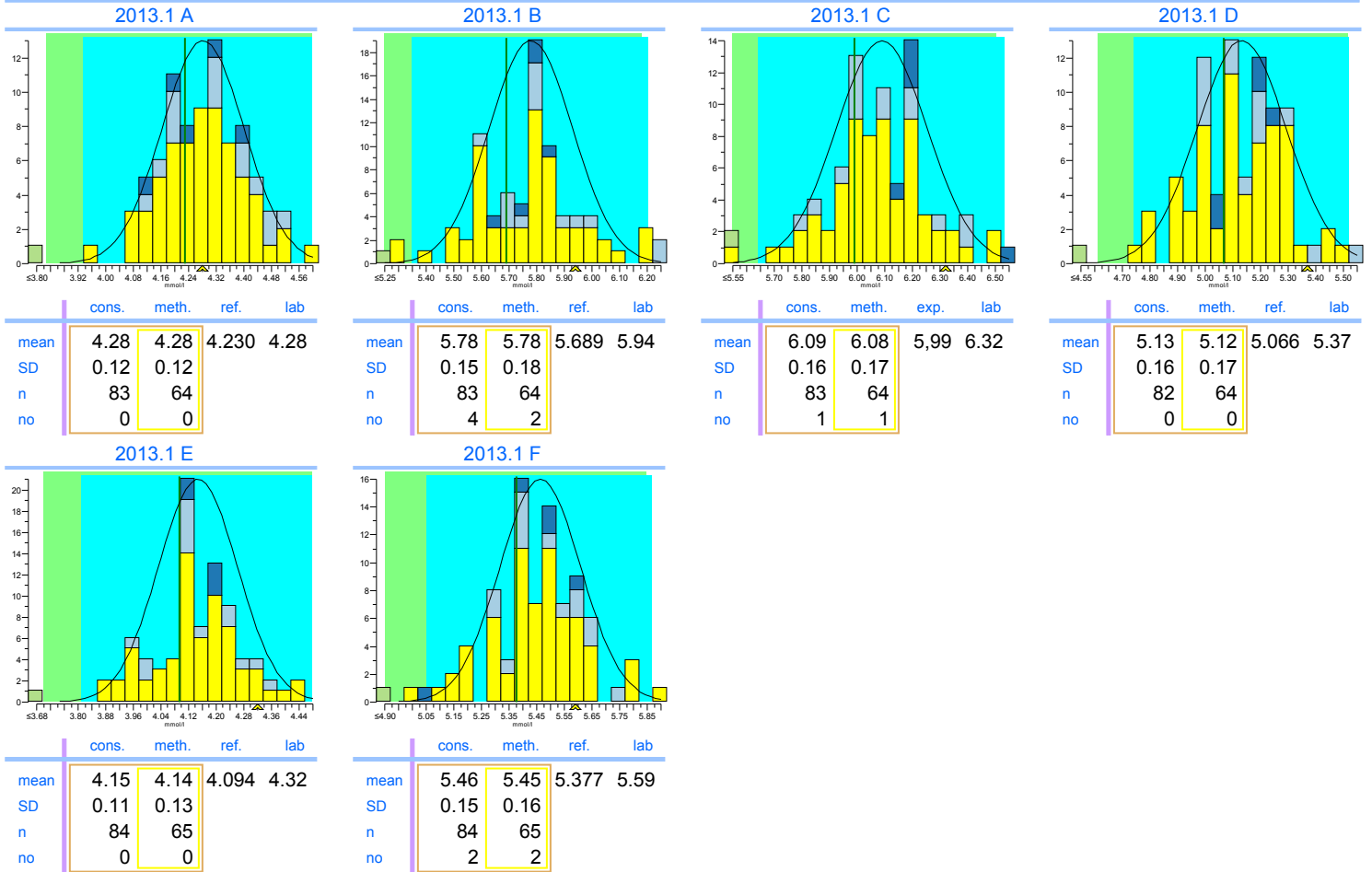
Cholesterol

units: mmol/l



	2013.1	cumulative
Trueness	+4.5%	+4.5%
Precision	1.5%	1.5%
Number	6	6
Outliers	0	0
Sigma-TE	3.9 1	3.9 1
Sigma-SA	3.0	3.0
Score pictogram		
Regression line	<u>0.00 + 1.046.x</u>	<u>0.00 + 1.046.x</u>

Consensus group	Enzymatisch
Method	Enzymatic, automatic, discrete



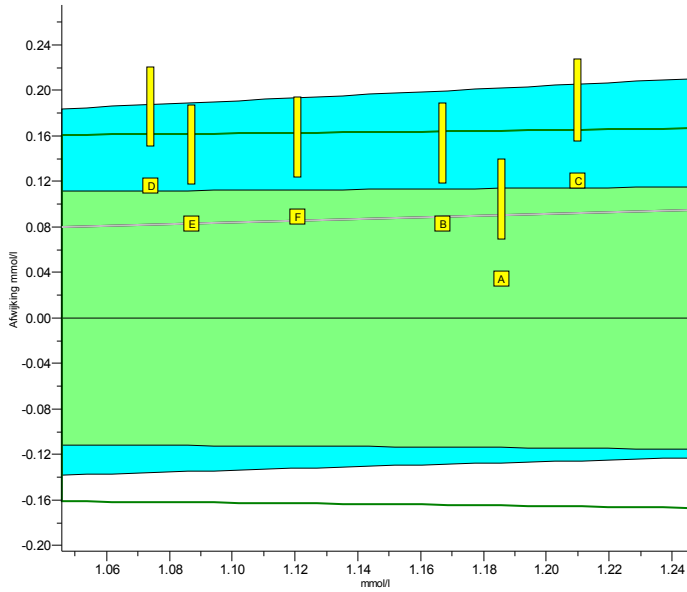
Legend



- Enzymatic, automatic, discrete
- Enzymatic, automatic, kinetic
- Abell-Kendall reference values
- Overige methoden

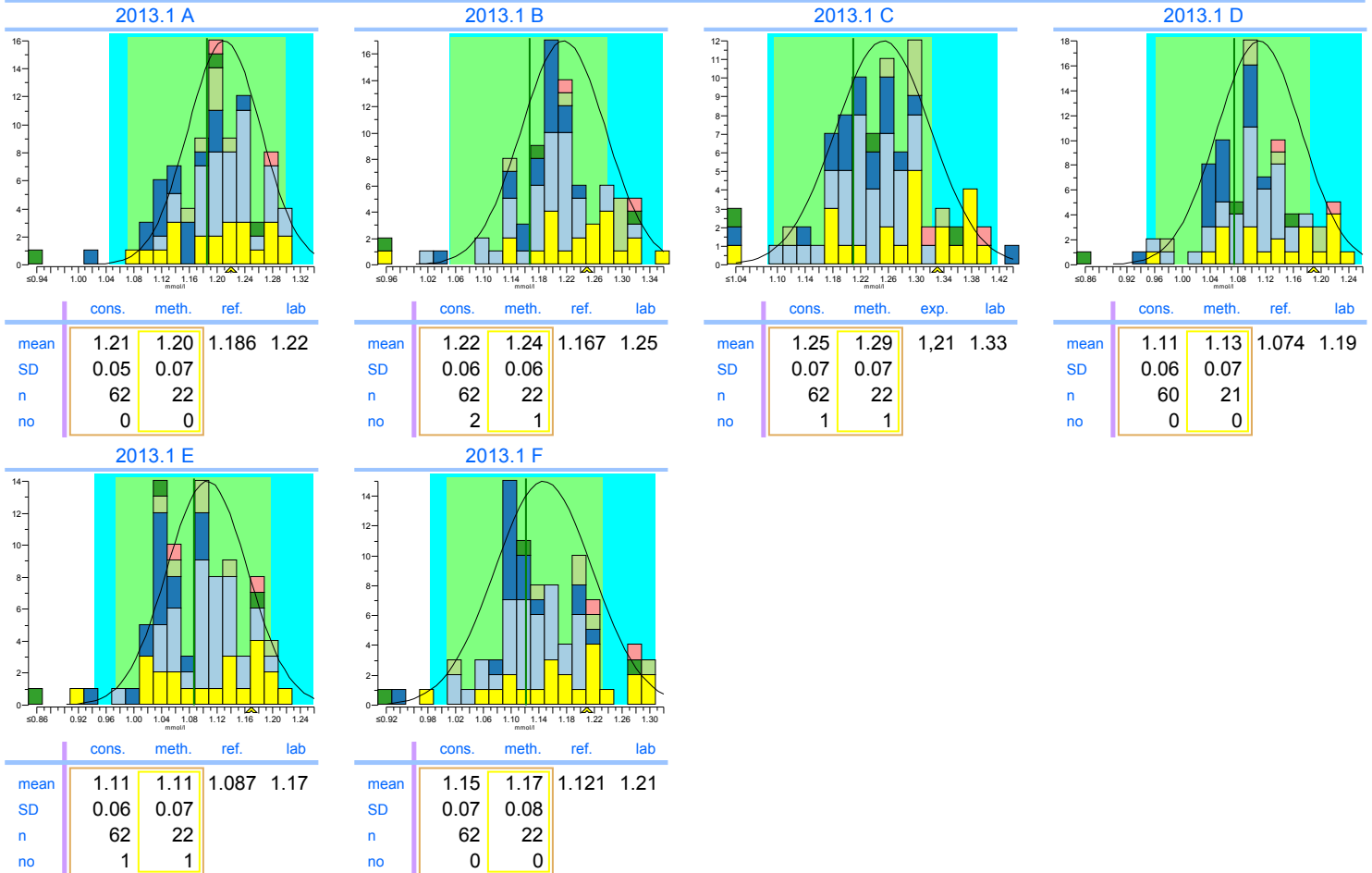
INPUTS 2013.1

HDL-Cholesterol

units: mmol/l



	2013.1	cumulative
Trueness	+7.7%	+7.7%
Precision	2.4%	2.4%
Number	6	6
Outliers	0	0
Sigma-TE	1.7	1.7
Sigma-SA	3.5 1	3.5 1
Score pictogram		
Regression line	<u>0.00 + 1.076.x</u>	<u>0.00 + 1.076.x</u>
Consensus group	Direct	
Method	Accelerator Selective Detergent ("Ultra HDL")	



Legend

- Accelerator Selective Detergent ("Ultra HDL")
- PEG modified enzyme, PEGME (Kyowa Medex)
- Immunoinhibition
- Catalase method (Denka Seiken)
- Overige methoden
- Precipitation Technique