3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

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
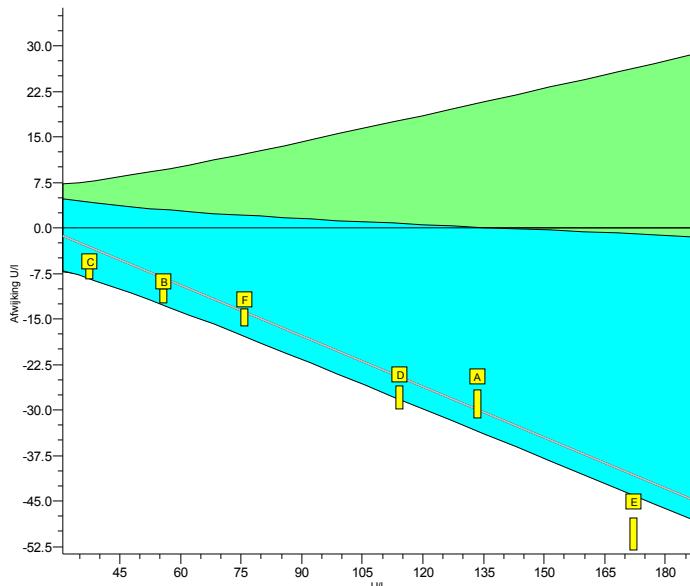
Scores	Your score	MAP	reported
Quantitative	27	38	

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1
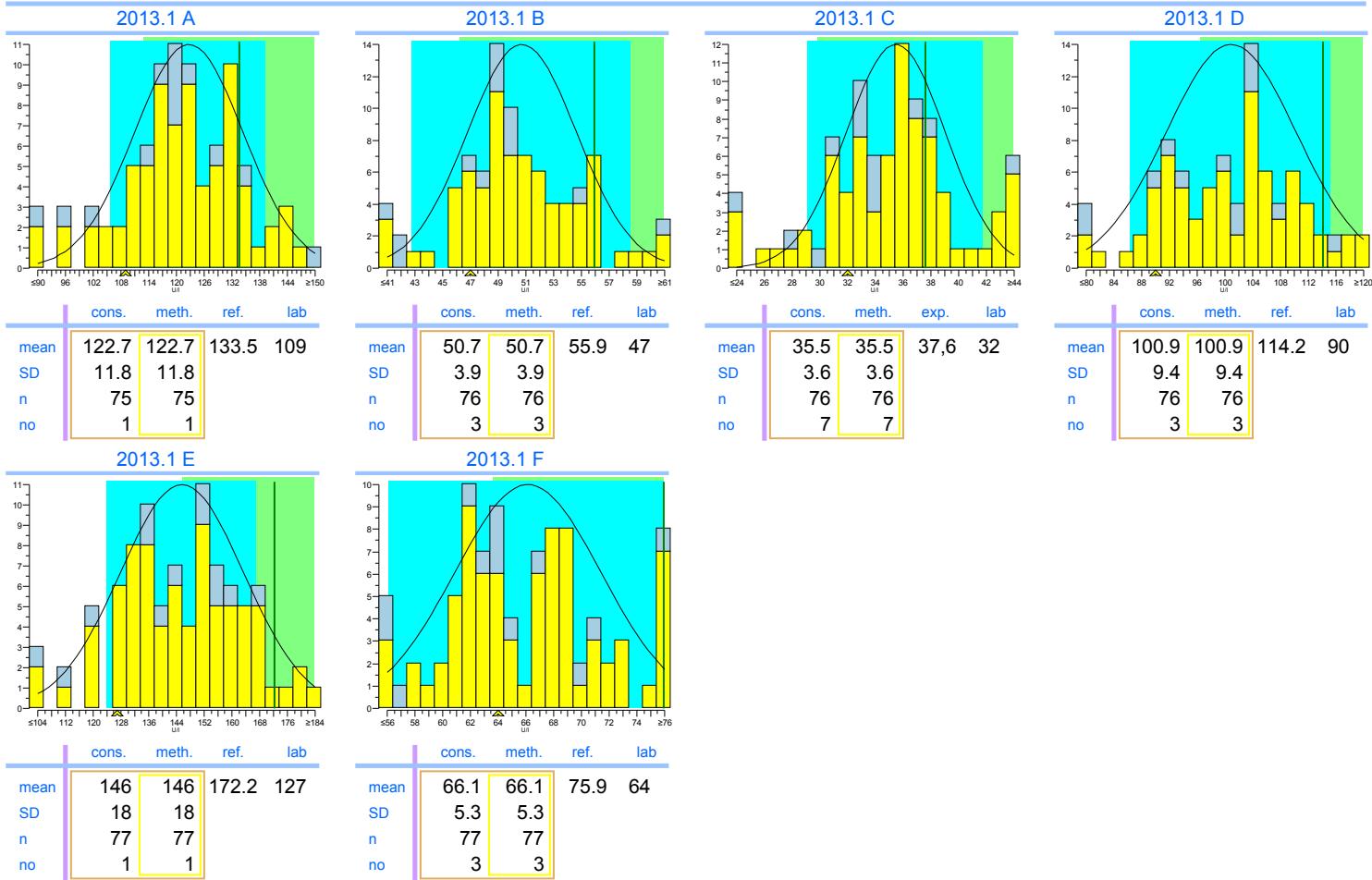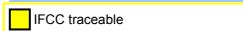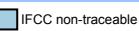
Analyte		Trueness				Precision		Performance			
		your mean	ref.	cons.	SDtl	your prec.	SDbl	this survey	PS	cumulative	PSc
ALAT	U/l	78.2	98.2	86.9	10.1	2.0	2.7		0		0
Alk. Phosphatase	U/l	174	188	173	15	2	2		2		2
Amylase	U/l	191	207	201	8	2	2		2		2
ASAT	U/l	68.2	78.6	71.5	6.8	2.8	1.6		0		0
Calcium	mmol/l	2.49	2.46	2.47	0.07	0.03	0.02		2		2
Chloride	mmol/l	104.2	101.4	102.3	1.8	0.8	0.9		1		1
CK	U/l	247	244	253	18	3	3		2		2
Creatinine	µmol/l	145.5	149.1	150.7	5.6	2.6	2.1		1		1
eGFR (F, 55, white)	ml/min/1,73m^2	33.4	32.0	32.2	2.6	0.3	0.6		2		2
Gamma-GT	U/l	90.8	87.7	86.3	8.6	2.0	1.2		2		2
Glucose	mmol/l	14.13	13.93	14.19	0.44	0.25	0.18		1		1
LD	U/l	498	532	523	33	15	9		2		2
Magnesium	mmol/l	1.29	1.22	1.23	0.04	0.04	0.02		1		1
Potassium	mmol/l	5.50	5.39	5.30	0.10	0.08	0.04		1		1
Sodium	mmol/l	145.3	144.0	142.7	1.7	1.5	0.9		1		1
Total Protein	g/l	68.0	66.8	66.0	1.8	0.7	0.7		2		2
Urate	µmol/l	389	376	374	15	6	4		2		2
Cholesterol	mmol/l	5.02	5.07	5.15	0.14	0.05	0.05		2		2
HDL-Cholesterol	mmol/l	1.22	1.14	1.17	0.06	0.04	0.03		1		1

Total : 27 27

skml Stichting Kwaliteitsbewaking Medische Laboratoriumdiagnostiek

MUSE

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

INPUtS 2013.1

July, 29 2014 11:40

Groot Brittannië

	ALAT	units: U/l
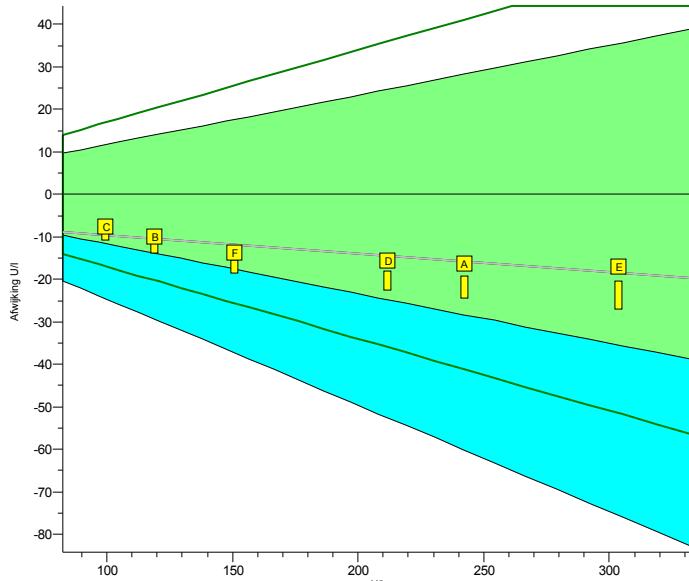
	2013.1	cumulative
Trueness	-20%	-20%
Precision	2.3%	2.3%
Number	6	6
Outliers	0	0
Sigma-TE	-0.1 0	-0.1 0
Sigma-SA	-1.3	-1.3
Score pictogram		
Regression line	7.4 + 0.721.x	7.4 + 0.721.x

Consensus group	IFCC traceerbaar
Method	IFCC traceable

2013.1 A

	cons.	meth.	ref.	lab
mean	122.7	122.7	133.5	109
SD	11.8	11.8		
n	75	75		
no	1	1		

2013.1 B

	cons.	meth.	ref.	lab
mean	50.7	50.7	55.9	47
SD	3.9	3.9		
n	76	76		
no	3	3		

2013.1 C

	cons.	meth.	exp.	lab
mean	35.5	35.5	37,6	32
SD	3.6	3.6		
n	76	76		
no	7	7		

2013.1 D

	cons.	meth.	ref.	lab
mean	100.9	100.9	114.2	90
SD	9.4	9.4		
n	76	76		
no	3	3		

2013.1 E

	cons.	meth.	ref.	lab
mean	146	146	172.2	127
SD	18	18		
n	77	77		
no	1	1		

2013.1 F

	cons.	meth.	ref.	lab
mean	66.1	66.1	75.9	64
SD	5.3	5.3		
n	77	77		
no	3	3		

Legend

☐ IFCC traceable   ☐ IFCC non-traceable

3708   dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

	Alk. Phosphatase		units: U/l
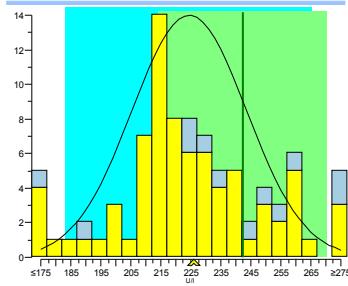
	2013.1	cumulative
Trueness	-7.2%	-7.2%
Precision	1.0%	1.0%
Number	6	6
Outliers	0	0
Sigma-TE	5.1	5.1
Sigma-SA	6.0 [2]	6.0 [2]
Score pictogram		
Regression line	-5 + 0.956.x	-5 + 0.956.x
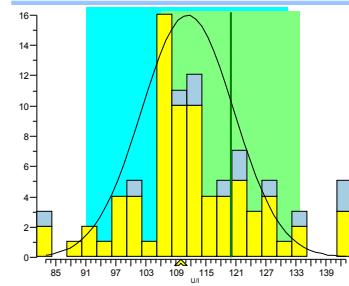
Consensus group	IFCC traceerbaar
Method	IFCC traceable
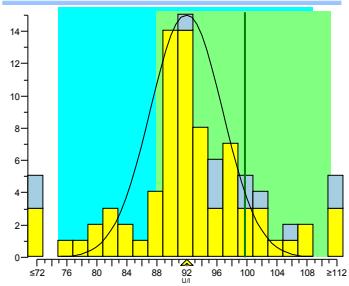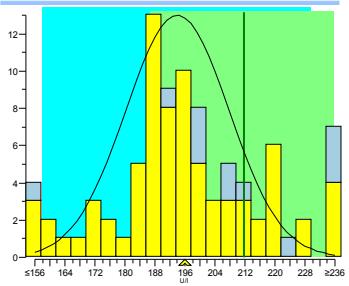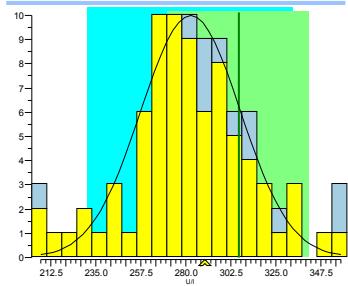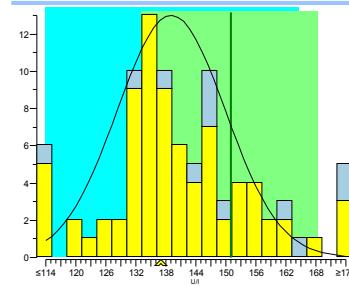
2013.1 A

	cons.	meth.	ref.	lab
mean	224	224	242.5	226
SD	19	19		
n	77	77		
no	5	5		

2013.1 B

	cons.	meth.	ref.	lab
mean	110	110	119.1	109
SD	9	9		
n	77	77		
no	5	5		

2013.1 C

	cons.	meth.	exp.	lab
mean	92	92	99,7	92
SD	5	5		
n	76	76		
no	10	10		

2013.1 D

	cons.	meth.	ref.	lab
mean	194	194	211.7	196
SD	14	14		
n	77	77		
no	6	6		

2013.1 E

	cons.	meth.	ref.	lab
mean	280	280	304.0	287
SD	25	25		
n	78	78		
no	3	3		

2013.1 F

	cons.	meth.	ref.	lab
mean	139	139	150.9	137
SD	11	11		
n	78	78		
no	5	5		

Legend

IFCC traceable   IFCC non-traceable

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

SKML — MUSE

Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek
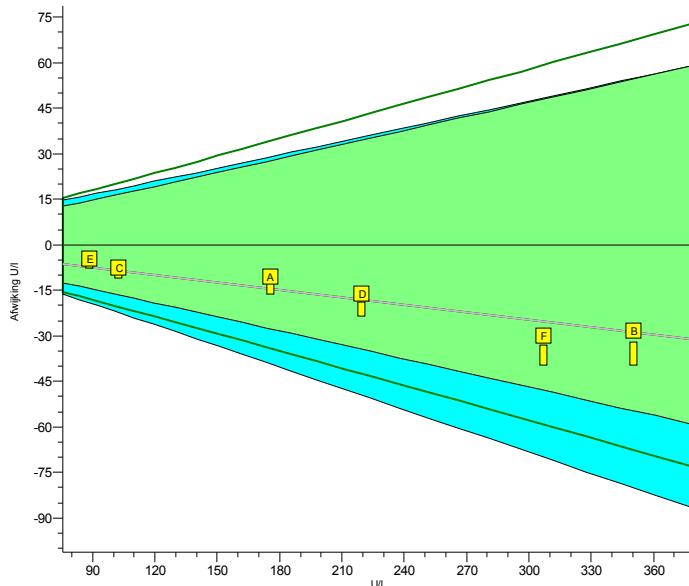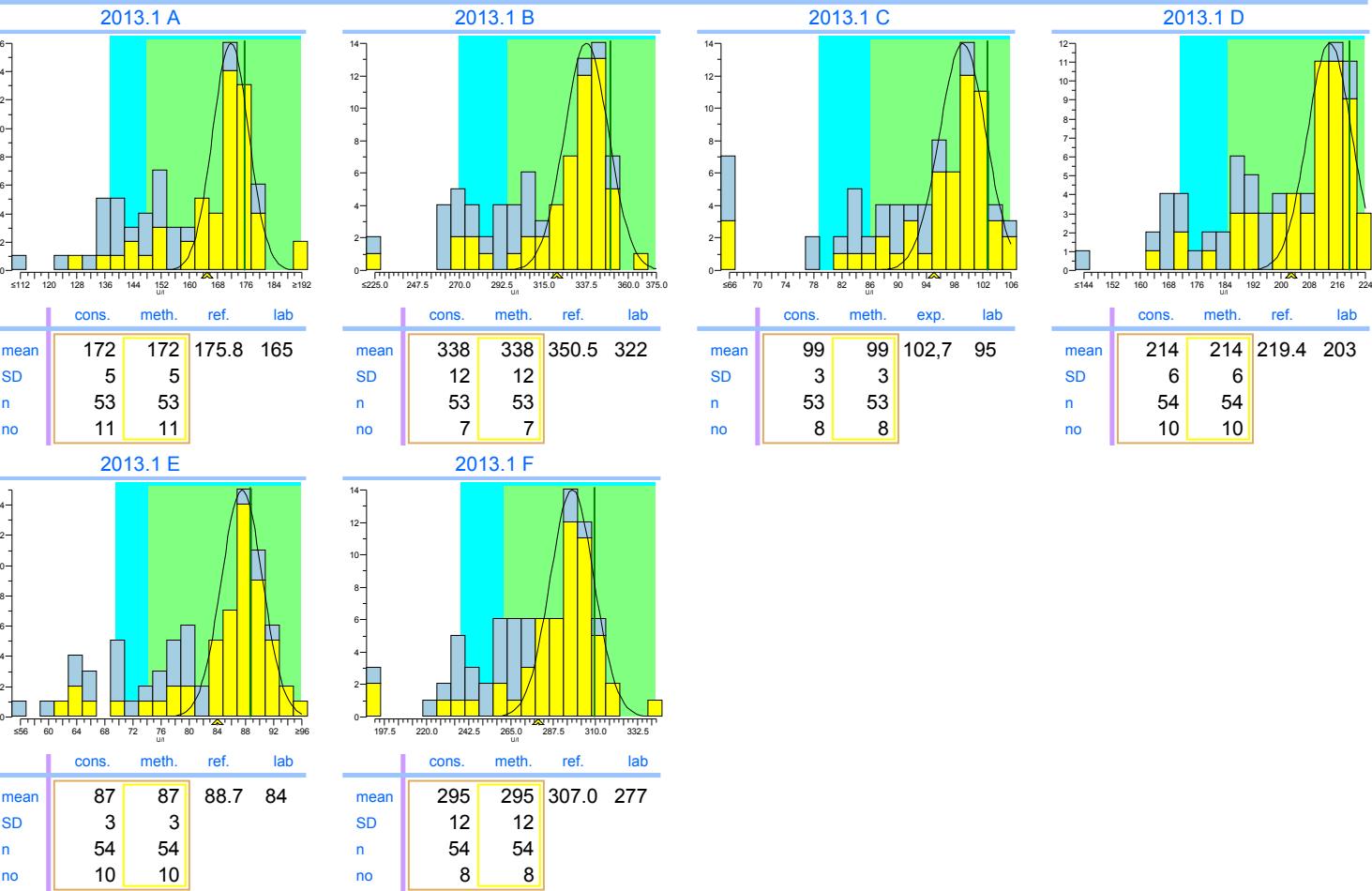
Amylase		units:	U/l
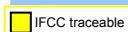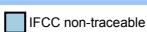
	2013.1	cumulative
Trueness	-7.9%	-7.9%
Precision	0.92%	0.92%
Number	6	6
Outliers	0	0
Sigma-TE	6.0	6.0
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	0 + 0.918.x	0 + 0.918.x

Consensus group	IFCC traceerbaar
Method	IFCC traceable

2013.1 A

	cons.	meth.	ref.	lab
mean	172	172	175.8	165
SD	5	5		
n	53	53		
no	11	11		

2013.1 B

	cons.	meth.	ref.	lab
mean	338	338	350.5	322
SD	12	12		
n	53	53		
no	7	7		

2013.1 C

	cons.	meth.	exp.	lab
mean	99	99	102,7	95
SD	3	3		
n	53	53		
no	8	8		

2013.1 D

	cons.	meth.	ref.	lab
mean	214	214	219.4	203
SD	6	6		
n	54	54		
no	10	10		

2013.1 E

	cons.	meth.	ref.	lab
mean	87	87	88.7	84
SD	3	3		
n	54	54		
no	10	10		

2013.1 F

	cons.	meth.	ref.	lab
mean	295	295	307.0	277
SD	12	12		
n	54	54		
no	8	8		

Legend

☐ IFCC traceable   ☐ IFCC non-traceable

SKML
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

ASAT		units: U/l
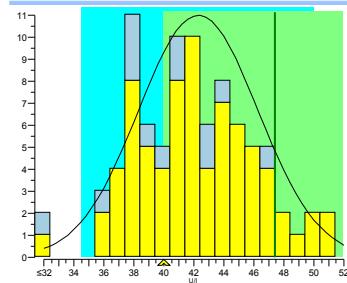
	2013.1	cumulative
Trueness	-13%	-13%
Precision	3.9%	3.9%
Number	6	6
Outliers	0	0
Sigma-TE	0.5	0.5
Sigma-SA	0.8 0	0.8 0
Score pictogram		
Regression line	-5.6 + 0.939.x	-5.6 + 0.939.x

Consensus group	IFCC traceerbaar
Method	IFCC traceable
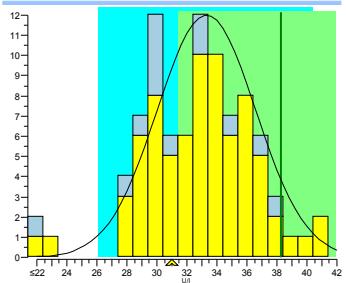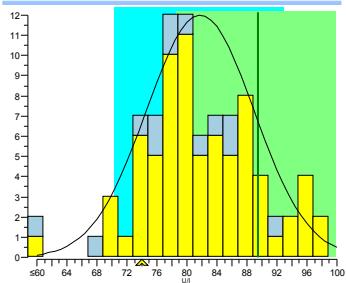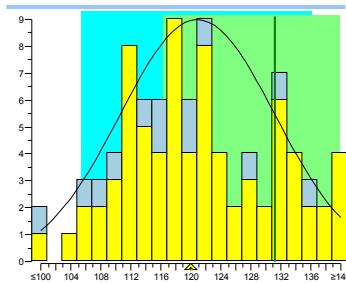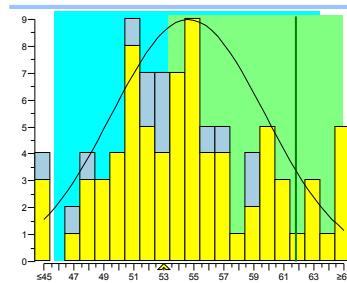
2013.1 A

	cons.	meth.	ref.	lab
mean	96.3	96.3	103.3	91
SD	8.2	8.2		
n	75	75		
no	1	1		

2013.1 B

	cons.	meth.	ref.	lab
mean	42.3	42.3	47.4	40
SD	4.0	4.0		
n	75	75		
no	1	1		

2013.1 C

	cons.	meth.	exp.	lab
mean	33.3	33.3	38,3	31
SD	3.3	3.3		
n	75	75		
no	2	2		

2013.1 D

	cons.	meth.	ref.	lab
mean	81.8	81.8	89.4	74
SD	7.2	7.2		
n	74	74		
no	1	1		

2013.1 E

	cons.	meth.	ref.	lab
mean	120.9	120.9	131.2	120
SD	10.3	10.3		
n	76	76		
no	1	1		

2013.1 F

	cons.	meth.	ref.	lab
mean	54.6	54.6	61.8	53
SD	5.1	5.1		
n	76	76		
no	2	2		

Legend

☐ IFCC traceable   ☐ IFCC non-traceable

3708   dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

skml
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE
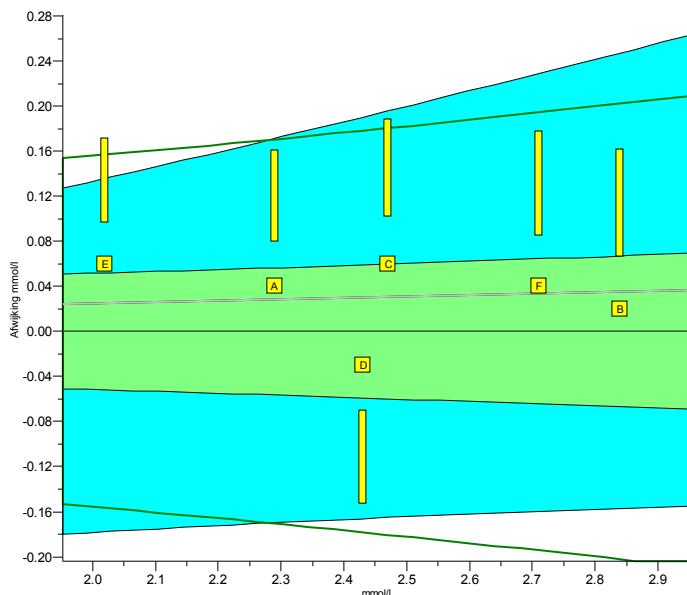
Calcium	units: mmol/l
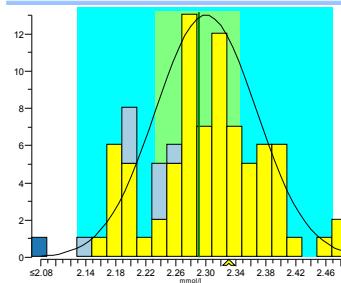
	2013.1	cumulative
Trueness	+1.3%	+1.3%
Precision	1.4%	1.4%
Number	6	6
Outliers	0	0
Sigma-TE	1.3	1.3
Sigma-SA	4.8 2	4.8 2
Score pictogram		
Regression line	0.00 + 1.012.x	0.00 + 1.012.x
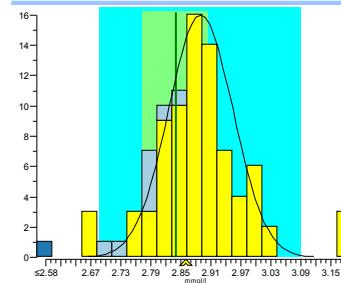
Consensus group	Colorimetrisch
Method	Colorimetric, automatic, discrete
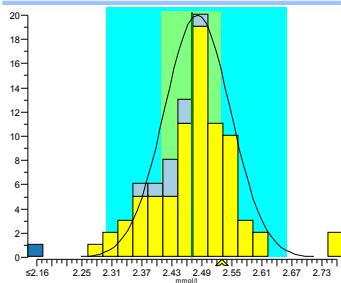
2013.1 A

	cons.	meth.	ref.	lab
mean	2.30	2.30	2.29	2.33
SD	0.07	0.07		
n	80	80		
no	2	2		

2013.1 B
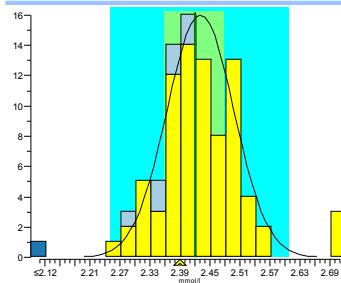
	cons.	meth.	ref.	lab
mean	2.89	2.89	2.84	2.86
SD	0.06	0.06		
n	80	80		
no	6	6		

2013.1 C
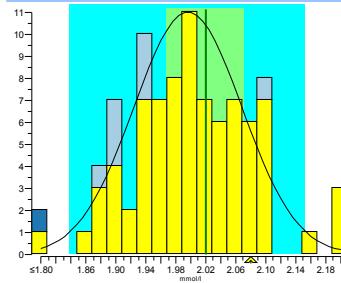
	cons.	meth.	exp.	lab
mean	2.48	2.48	2,47	2.53
SD	0.07	0.07		
n	79	79		
no	2	2		

2013.1 D
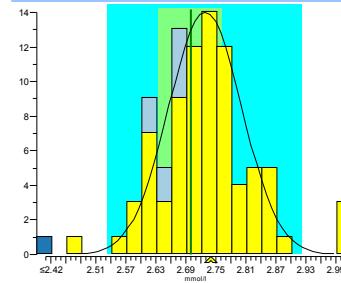
	cons.	meth.	ref.	lab
mean	2.44	2.44	2.43	2.40
SD	0.07	0.07		
n	80	80		
no	3	3		

2013.1 E

	cons.	meth.	ref.	lab
mean	2.00	2.00	2.02	2.08
SD	0.07	0.07		
n	81	81		
no	3	3		

2013.1 F

	cons.	meth.	ref.	lab
mean	2.74	2.74	2.71	2.75
SD	0.07	0.07		
n	80	80		
no	4	4		
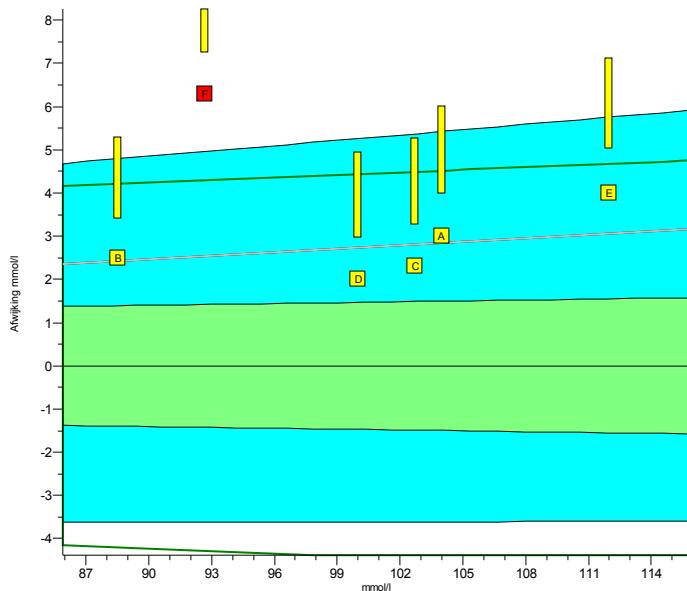
Legend

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

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

Chloride		units: mmol/l
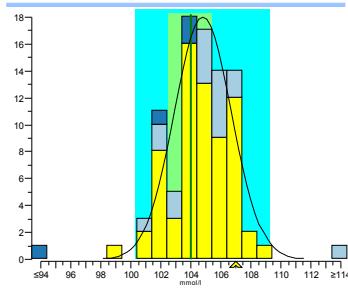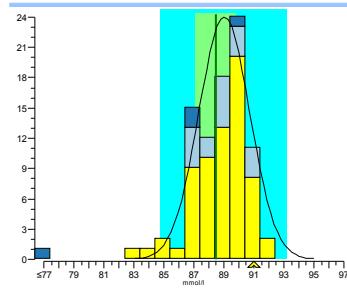
	2013.1	cumulative
Trueness	+2.7%	+2.7%
Precision	0.78%	0.78%
Number	6	6
Outliers	1	1
Sigma-TE	-1.2	-1.2
Sigma-SA	2.2 1	2.2 1
Score pictogram		
Regression line	0.0 + 1.027.x	0.0 + 1.027.x

Consensus group	ISE/Colorimetrie
Method	ISE indirect (with predilution)
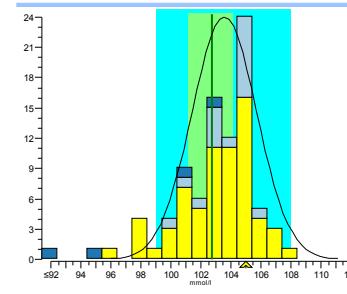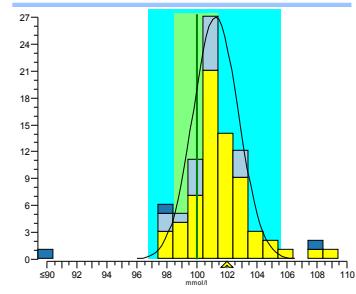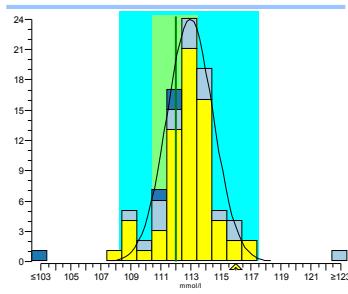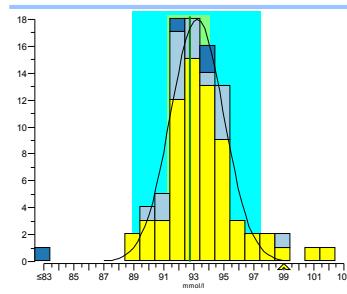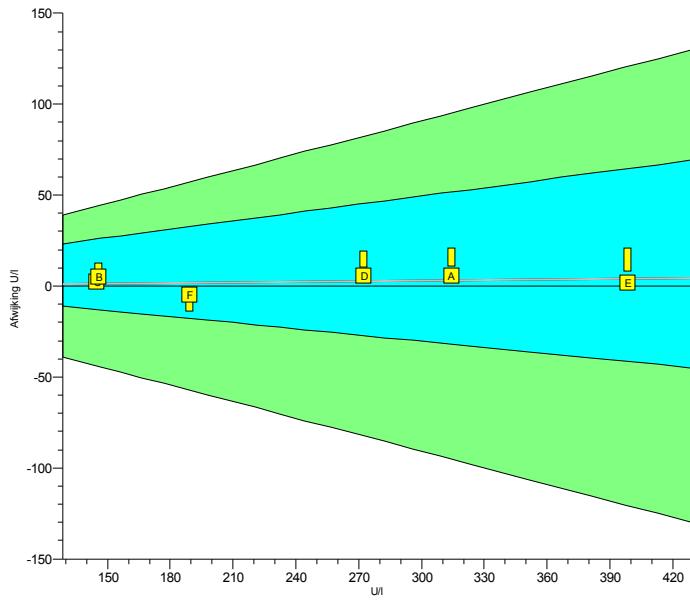
2013.1 A

	cons.	meth.	ref.	lab
mean	104.8	104.8	104	107
SD	1.9	1.8		
n	88	67		
no	3	1		

2013.1 B

	cons.	meth.	ref.	lab
mean	89.0	89.0	88.5	91
SD	1.7	1.7		
n	88	67		
no	2	1		

2013.1 C

	cons.	meth.	exp.	lab
mean	103.6	103.3	102,7	105
SD	2.2	2.3		
n	88	67		
no	3	1		

2013.1 D

	cons.	meth.	ref.	lab
mean	101.3	101.4	100	102
SD	1.5	1.5		
n	85	66		
no	6	3		

2013.1 E

	cons.	meth.	ref.	lab
mean	113.0	113.0	112	116
SD	1.5	1.7		
n	88	67		
no	3	1		

2013.1 F

	cons.	meth.	ref.	lab
mean	93.2	93.3	92.7	99
SD	1.8	1.9		
n	88	67		
no	5	3		

Legend

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

SKML
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE

3708   dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

CK	units: U/l
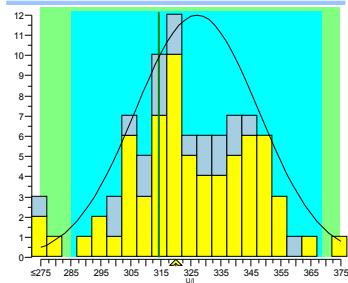
	2013.1	cumulative
Trueness	+1.0%	+1.0%
Precision	1.3%	1.3%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 **2**	6.0 **2**
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	0 + 1.010.x	0 + 1.010.x

Consensus group	IFCC traceerbaar
Method	IFCC traceable
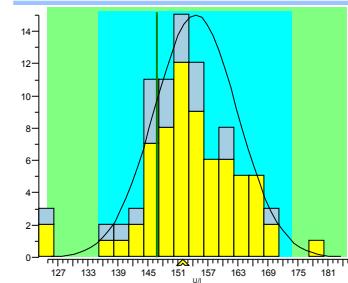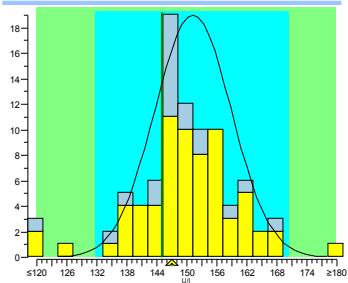
2013.1 A

	cons.	meth.	ref.	lab
mean	327	327	314.3	320
SD	21	21		
n	68	68		
no	2	2		

2013.1 B
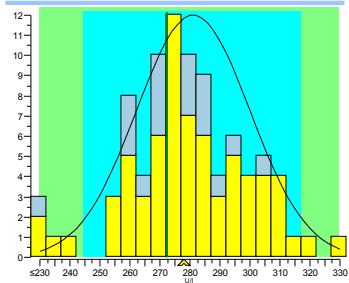
	cons.	meth.	ref.	lab
mean	154	154	145.8	151
SD	8	8		
n	67	67		
no	3	3		

2013.1 C
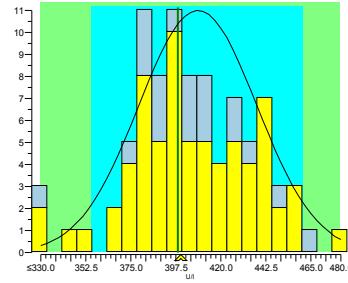
	cons.	meth.	exp.	lab
mean	151	151	145	147
SD	8	8		
n	68	68		
no	4	4		

2013.1 D
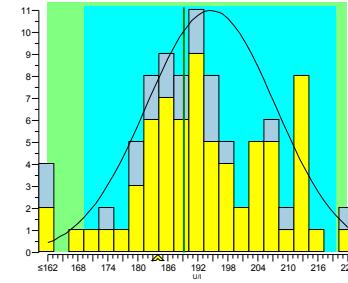
	cons.	meth.	ref.	lab
mean	281	281	272.3	278
SD	19	19		
n	69	69		
no	2	2		

2013.1 E

	cons.	meth.	ref.	lab
mean	409	409	398.4	400
SD	30	30		
n	69	69		
no	2	2		
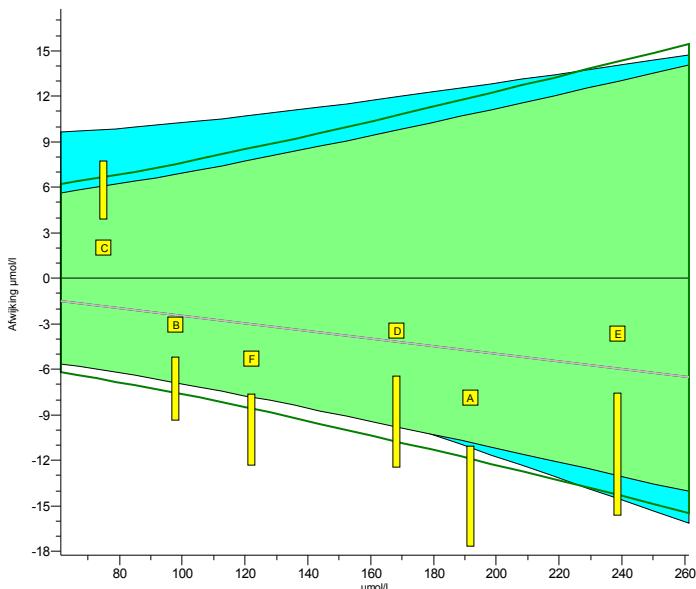
2013.1 F
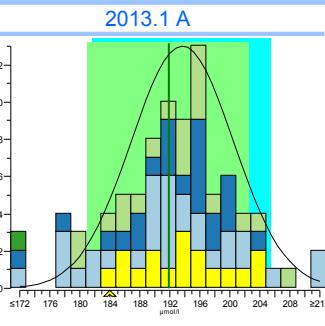
	cons.	meth.	ref.	lab
mean	195	195	189.2	184
SD	13	13		
n	69	69		
no	2	2		

Legend

☐ IFCC traceable   ☐ IFCC non-traceable

SKML
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië
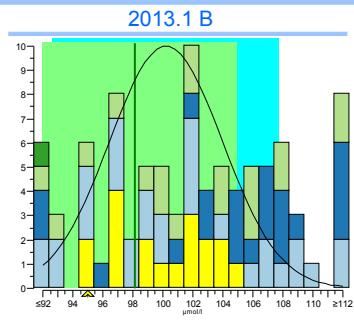
INPUtS 2013.1

Creatinine		units: µmol/l
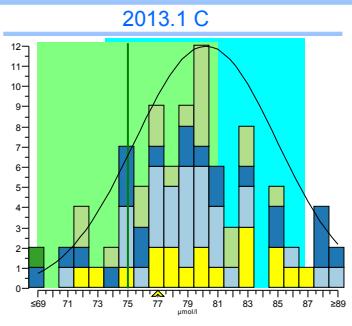
	2013.1	cumulative
Trueness	-2.4%	-2.4%
Precision	1.8%	1.8%
Number	6	6
Outliers	0	0
Sigma-TE	2.9	2.9
Sigma-SA	3.3 1	3.3 1
Score pictogram		
Regression line	0.0 + 0.975.x	0.0 + 0.975.x

Consensus group	Enzymatische kreatinine
Method	Enzymatic, automatic

2013.1 A
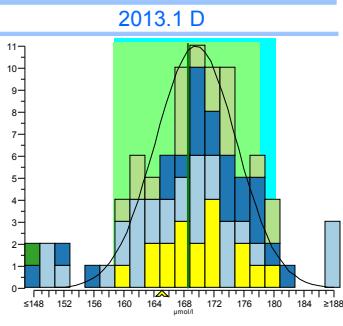
	cons.	meth.	ref.	lab
mean	193.7	193.7	191.9	184
SD	6.8	6.8		
n	17	17		
no	0	0		

2013.1 B
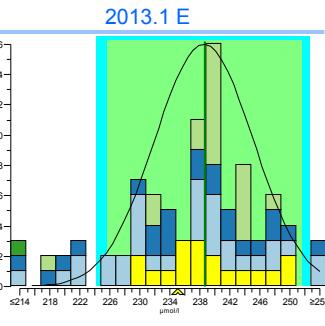
	cons.	meth.	ref.	lab
mean	100.2	100.2	98.11	95
SD	3.8	3.8		
n	18	18		
no	0	0		

2013.1 C
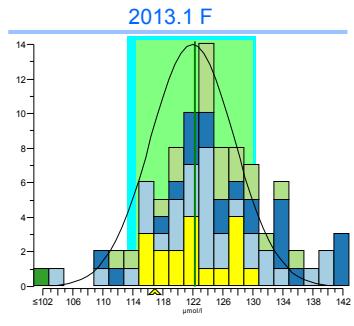
	cons.	meth.	exp.	lab
mean	80.2	80.2	75	77
SD	4.7	4.7		
n	18	18		
no	0	0		

2013.1 D

	cons.	meth.	ref.	lab
mean	169.6	169.6	168.5	165
SD	5.4	5.4		
n	18	18		
no	0	0		

2013.1 E

	cons.	meth.	ref.	lab
mean	238.5	238.5	238.7	235
SD	6.6	6.6		
n	18	18		
no	0	0		

2013.1 F

	cons.	meth.	ref.	lab
mean	121.9	121.9	122.3	117
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
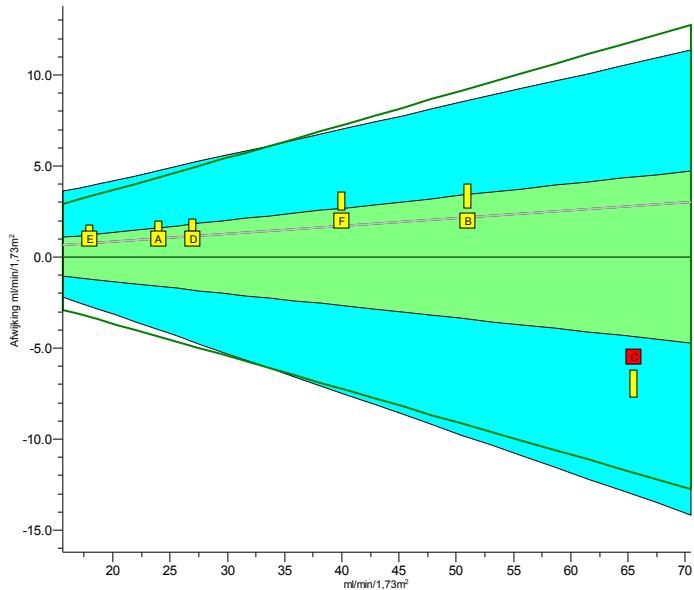
![skml logo] **MUSE**

Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

INPUtS 2013.1

July, 29 2014 11:40

Groot Brittannië
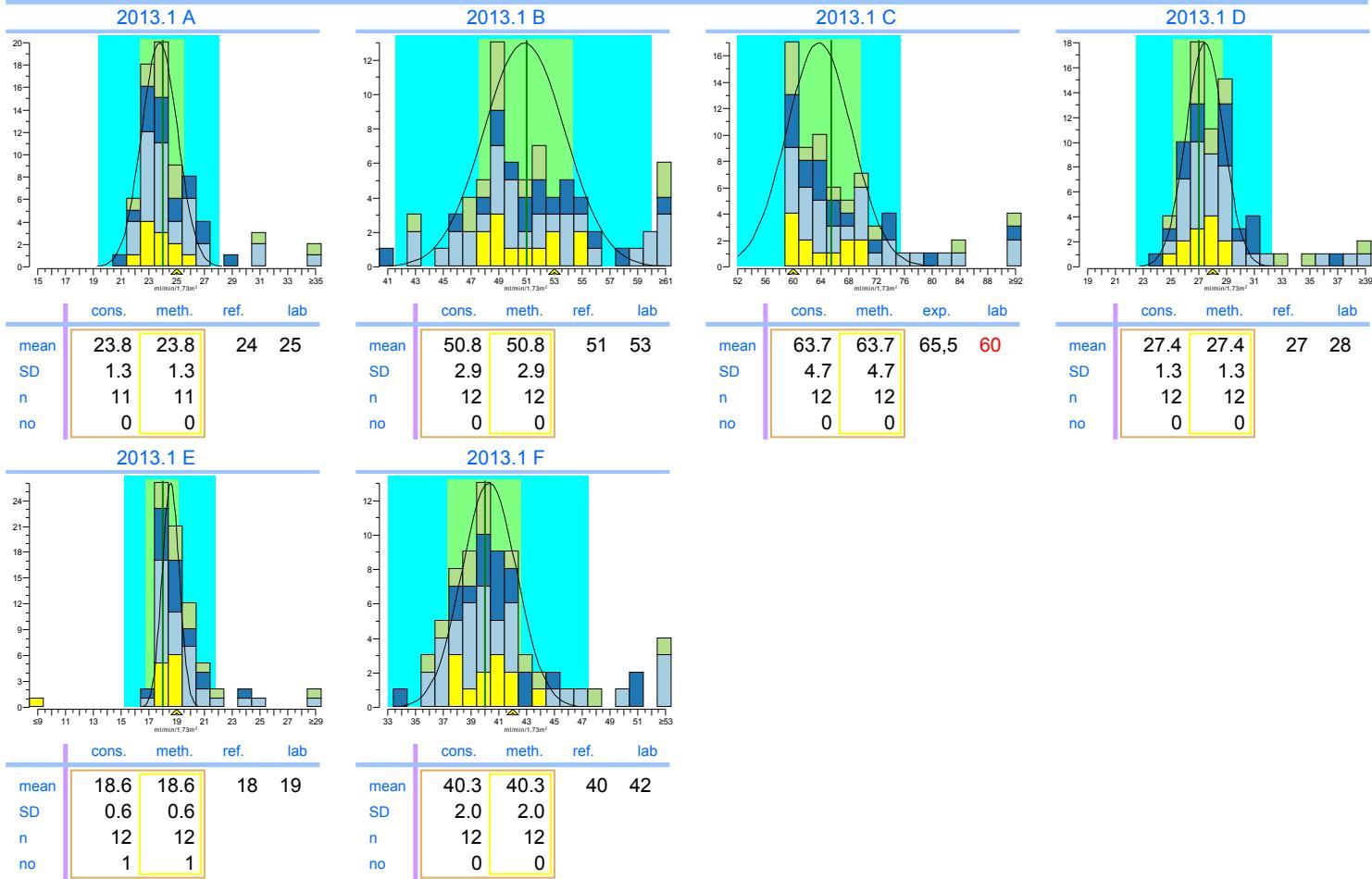
	eGFR (F, 55, white)	units: ml/min/1,73m²

	2013.1	cumulative
Trueness	+4.4%	+4.4%
Precision	1.1%	1.1%
Number	6	6
Outliers	1	1
Sigma-TE	2.4	2.4
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	0.0 + 1.043.x	0.0 + 1.043.x

Consensus group	Enzymatische kreatinine
Method	Enzymatic, automatic

2013.1 A

	cons.	meth.	ref.	lab
mean	23.8	23.8	24	25
SD	1.3	1.3		
n	11	11		
no	0	0		

2013.1 B

	cons.	meth.	ref.	lab
mean	50.8	50.8	51	53
SD	2.9	2.9		
n	12	12		
no	0	0		

2013.1 C

	cons.	meth.	exp.	lab
mean	63.7	63.7	65,5	60
SD	4.7	4.7		
n	12	12		
no	0	0		

2013.1 D

	cons.	meth.	ref.	lab
mean	27.4	27.4	27	28
SD	1.3	1.3		
n	12	12		
no	0	0		

2013.1 E

	cons.	meth.	ref.	lab
mean	18.6	18.6	18	19
SD	0.6	0.6		
n	12	12		
no	1	1		

2013.1 F

|	cons.	meth.	ref.	lab
mean	40.3	40.3	40	42
SD	2.0	2.0		
n	12	12		
no	0	0		

Legend

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

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië
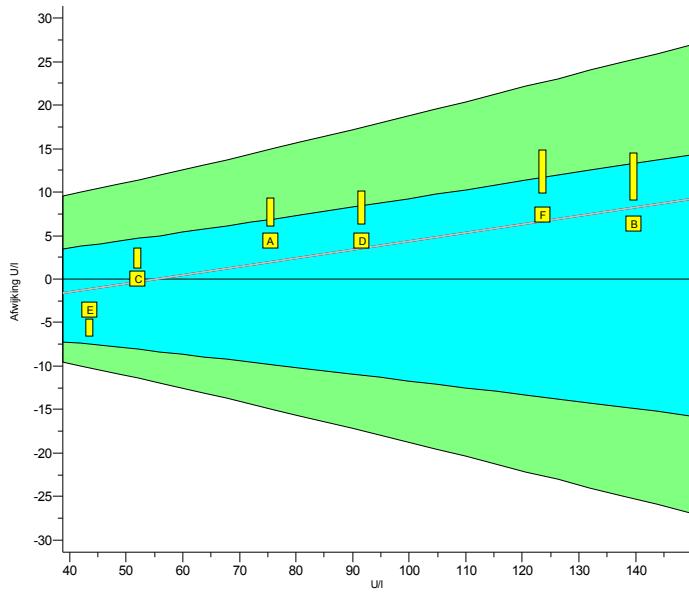
INPUtS 2013.1

Gamma-GT	units: U/l
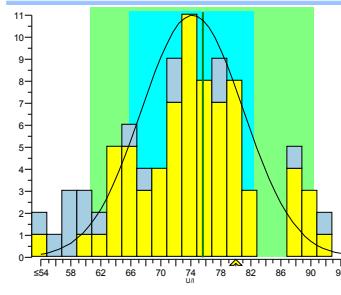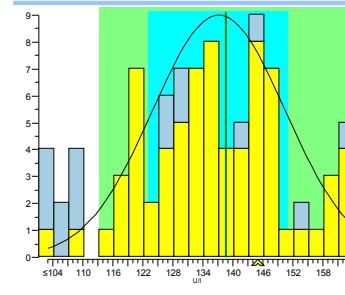
	2013.1	cumulative
Trueness	+3.6%	+3.6%
Precision	2.4%	2.4%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 [2]	6.0 [2]
Sigma-SA	4.5	4.5
Score pictogram		
Regression line	-5.4 + 1.097.x	-5.4 + 1.097.x

Consensus group	IFCC traceerbaar
Method	IFCC traceable
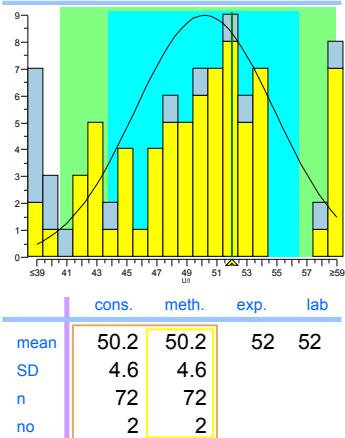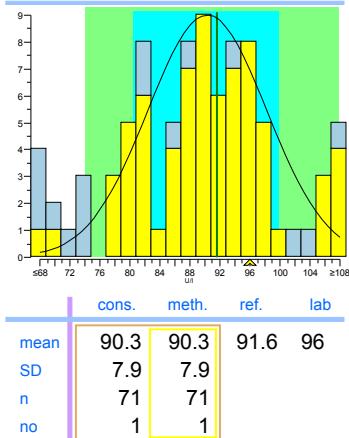
2013.1 A

	cons.	meth.	ref.	lab
mean	74.2	74.2	75.6	80
SD	6.8	6.8		
n	72	72		
no	1	1		

2013.1 B

	cons.	meth.	ref.	lab
mean	138.2	138.2	139.7	146
SD	13.3	13.3		
n	72	72		
no	1	1		

2013.1 C

	cons.	meth.	exp.	lab
mean	50.2	50.2	52	52
SD	4.6	4.6		
n	72	72		
no	2	2		

2013.1 D

	cons.	meth.	ref.	lab
mean	90.3	90.3	91.6	96
SD	7.9	7.9		
n	71	71		
no	1	1		

2013.1 E

	cons.	meth.	ref.	lab
mean	41.7	41.7	43.6	40
SD	3.6	3.6		
n	73	73		
no	6	6		

2013.1 F

	cons.	meth.	ref.	lab
mean	123.4	123.4	123.6	131
SD	10.7	10.7		
n	73	73		
no	1	1		

Legend

 IFCC traceable   IFCC non-traceable

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40
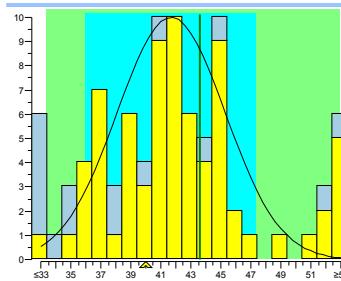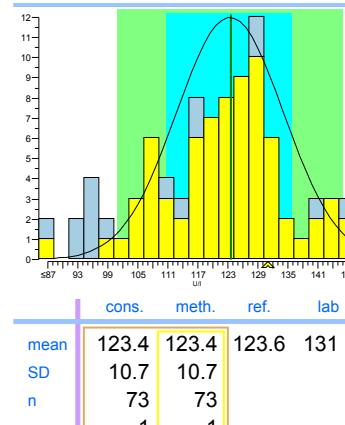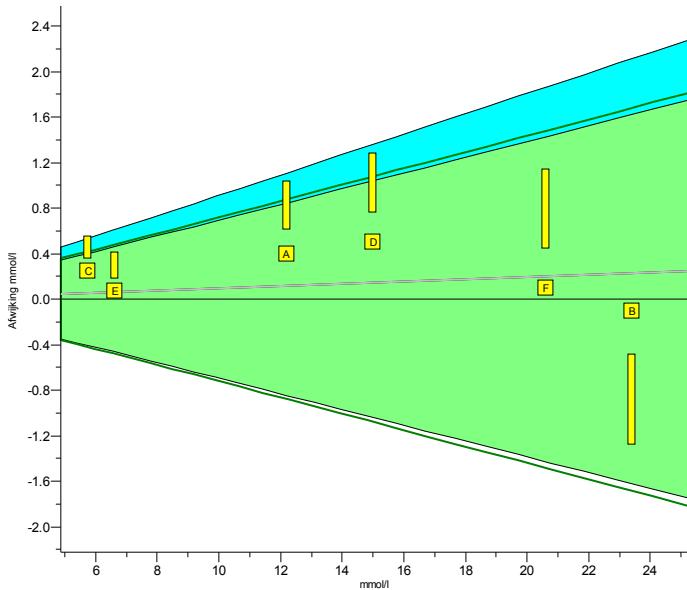
Groot Brittannië

INPUtS 2013.1

Glucose	units: mmol/l
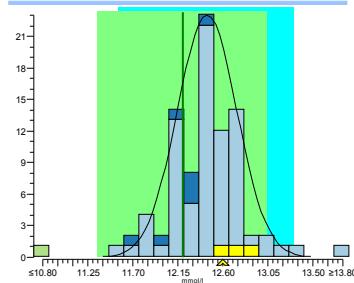
	2013.1	cumulative
Trueness	+1.5%	+1.5%
Precision	1.8%	1.8%
Number	6	6
Outliers	0	0
Sigma-TE	4.3	4.3
Sigma-SA	4.5 1	4.5 1
Score pictogram		
Regression line	0.00 + 1.010.x	0.00 + 1.010.x
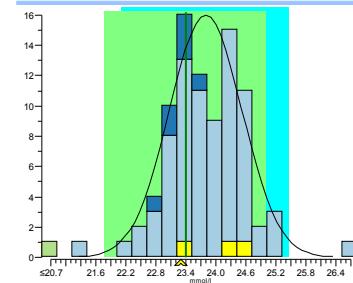
Consensus group	Natte chemie
Method	Glucose-oxydase/POD,automatic

2013.1 A
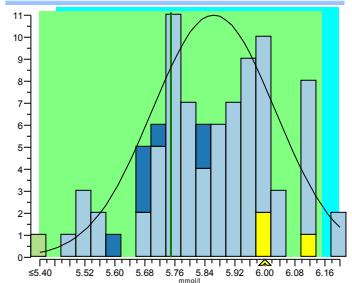
	cons.	meth.	ref.	lab
mean	12.44	12.76	12.2	12.6
SD	0.30			
n	88	3		
no	3	0		

2013.1 B
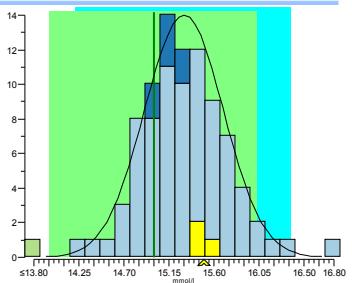
	cons.	meth.	ref.	lab
mean	23.8	24.1	23.4	23.3
SD	0.7			
n	88	3		
no	3	0		

2013.1 C
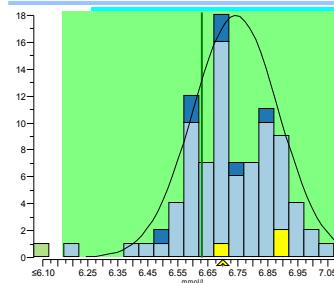
	cons.	meth.	exp.	lab
mean	5.86	6.03	5,75	6.0
SD	0.16			
n	88	3		
no	1	0		

2013.1 D
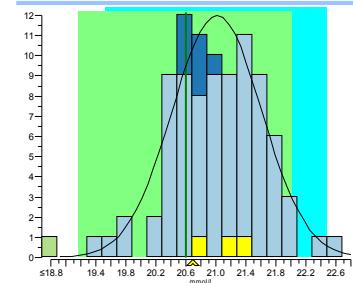
	cons.	meth.	ref.	lab
mean	15.30	15.55	15.0	15.5
SD	0.39			
n	88	3		
no	2	0		

2013.1 E

	cons.	meth.	ref.	lab
mean	6.74	6.83	6.63	6.7
SD	0.14			
n	89	3		
no	2	0		

2013.1 F

	cons.	meth.	ref.	lab
mean	21.01	21.04	20.6	20.7
SD	0.60			
n	89	3		
no	1	0		
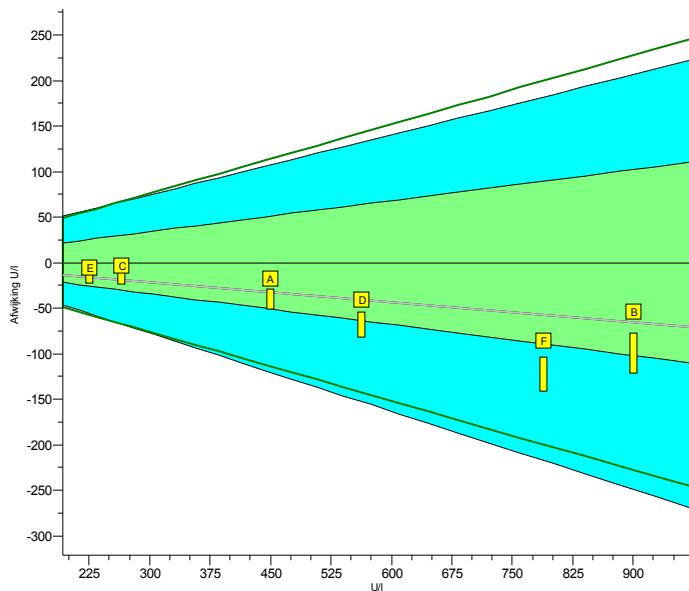
Legend

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

SKML
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

LD		units: U/l

	2013.1	cumulative
Trueness	-6.6%	-6.6%
Precision	2.8%	2.8%
Number	6	6
Outliers	0	0
Sigma-TE	3.5	3.5
Sigma-SA	6.0 [2]	6.0 [2]
Score pictogram		
Regression line	0 + 0.927.x	0 + 0.927.x

Consensus group	IFCC traceerbaar
Method	IFCC traceable
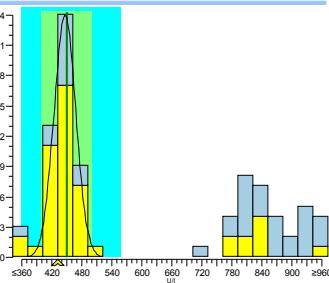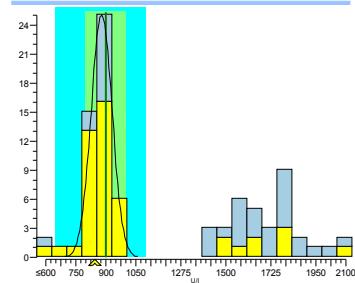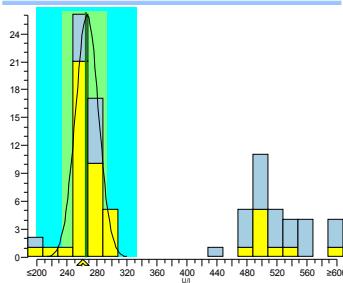
2013.1 A
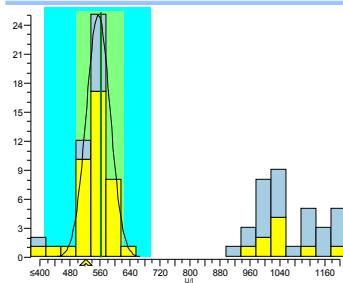
	cons.	meth.	ref.	lab
mean	446	446	450.7	433
SD	22	22		
n	48	48		
no	11	11		

2013.1 B
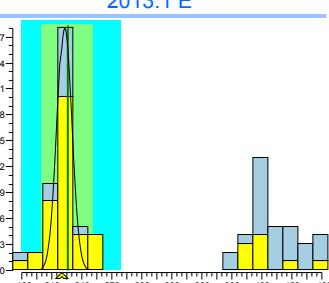
	cons.	meth.	ref.	lab
mean	879	879	900.8	846
SD	52	52		
n	47	47		
no	11	11		

2013.1 C
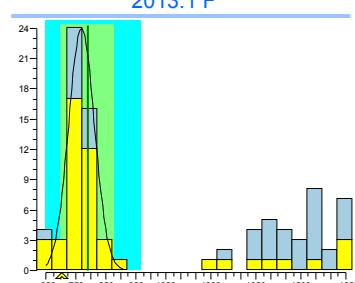
	cons.	meth.	exp.	lab
mean	267	267	265	261
SD	15	15		
n	48	48		
no	11	11		

2013.1 D

	cons.	meth.	ref.	lab
mean	556	556	563.0	522
SD	32	32		
n	48	48		
no	11	11		

2013.1 E

	cons.	meth.	ref.	lab
mean	223	223	226.1	220
SD	7	7		
n	48	48		
no	16	16		

2013.1 F

	cons.	meth.	ref.	lab
mean	769	769	788.9	703
SD	43	43		
n	48	48		
no	11	11		

Legend

☐ IFCC traceable   ☐ IFCC non-traceable

skml
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40
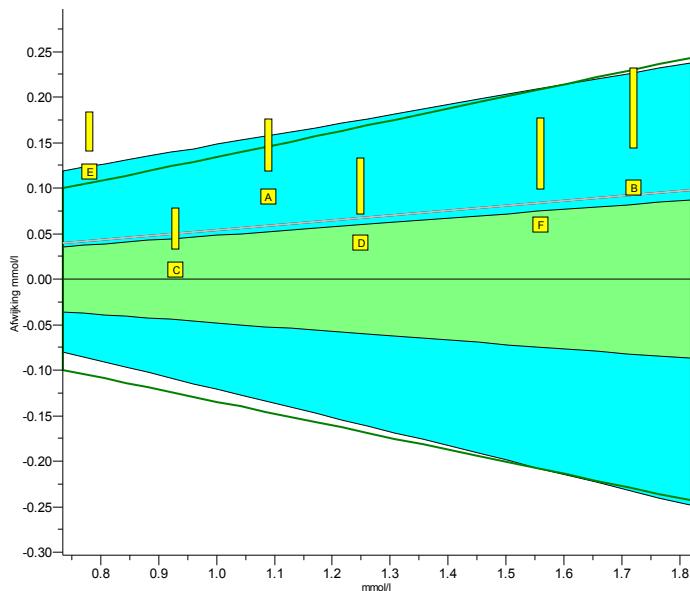
Groot Brittannië

INPUtS 2013.1

Magnesium	units: mmol/l
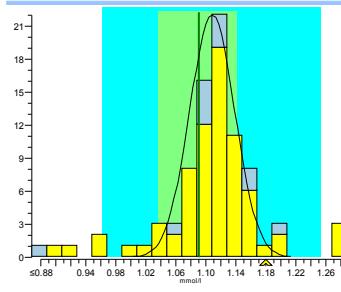
	2013.1	cumulative
Trueness	+5.7%	+5.7%
Precision	3.3%	3.3%
Number	6	6
Outliers	0	0
Sigma-TE	0.3	0.3
Sigma-SA	4.5 1	4.5 1
Score pictogram		
Regression line	0.00 + 1.054.x	0.00 + 1.054.x
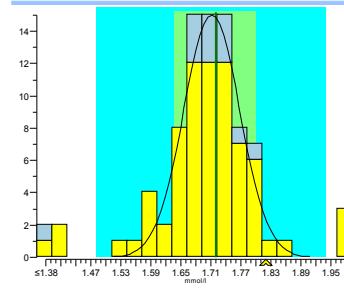
Consensus group	Overall
Method	Colorimetric

2013.1 A
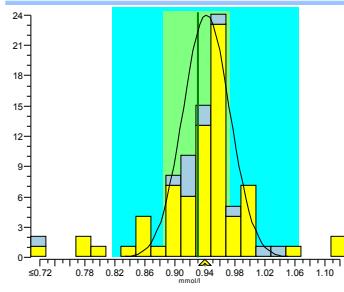
	cons.	meth.	ref.	lab
mean	1.11	1.11	1.09	1.18
SD	0.03	0.03		
n	85	73		
no	11	10		

2013.1 B
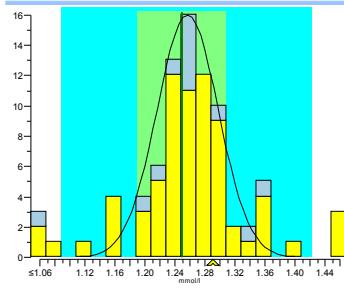
	cons.	meth.	ref.	lab
mean	1.71	1.71	1.72	1.82
SD	0.06	0.06		
n	85	73		
no	8	7		

2013.1 C
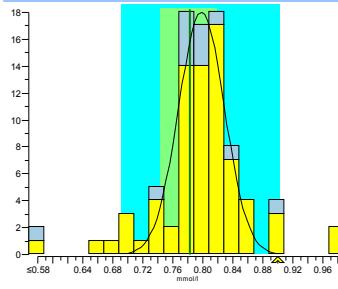
	cons.	meth.	exp.	lab
mean	0.94	0.94	0,93	0.94
SD	0.03	0.03		
n	85	73		
no	9	8		

2013.1 D
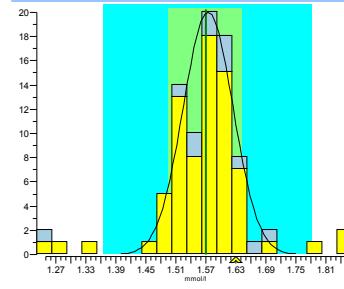
	cons.	meth.	ref.	lab
mean	1.26	1.26	1.25	1.29
SD	0.04	0.05		
n	83	71		
no	9	8		

2013.1 E

	cons.	meth.	ref.	lab
mean	0.798	0.799	0.782	0.9
SD	0.031	0.031		
n	86	74		
no	13	11		

2013.1 F
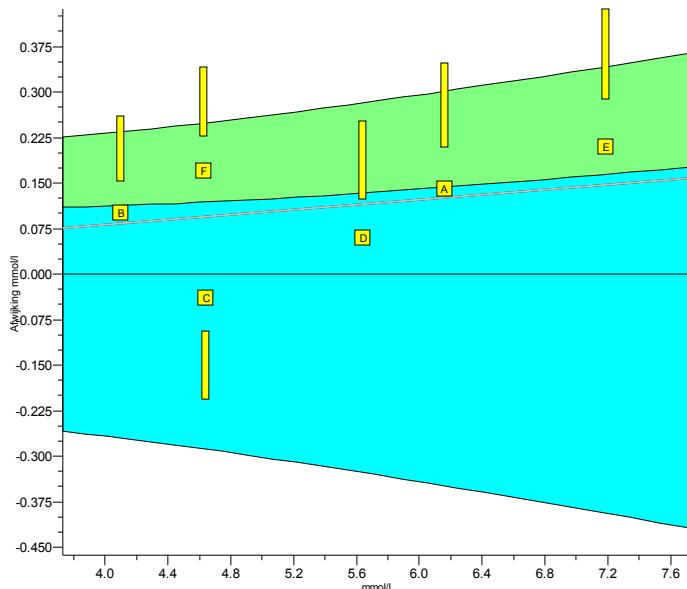
	cons.	meth.	ref.	lab
mean	1.56	1.56	1.56	1.62
SD	0.05	0.05		
n	86	74		
no	7	6		

Legend

☐ Colorimetric   ☐ Other methods

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

Potassium	units: mmol/l
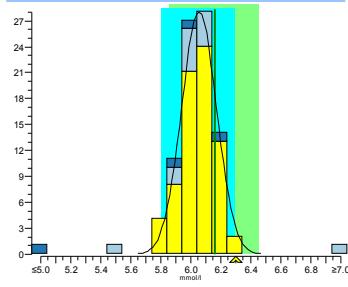
	2013.1	cumulative
Trueness	+2.0%	+2.0%
Precision	1.5%	1.5%
Number	6	6
Outliers	0	0
Sigma-TE	3.9 1	3.9 1
Sigma-SA	2.9	2.9
Score pictogram		
Regression line	0.00 + 1.021.x	0.00 + 1.021.x
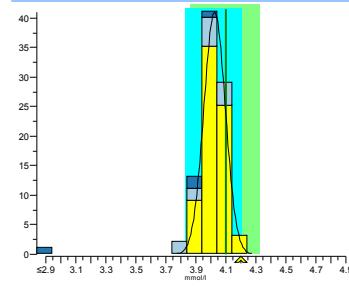
Consensus group	ISE verdund/Vlamfotometrie
Method	ISE indirect (with predilution)
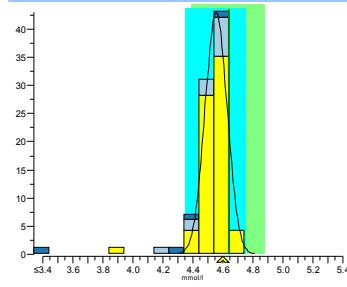
2013.1 A

	cons.	meth.	ref.	lab
mean	6.05	6.05	6.16	6.3
SD	0.12	0.12		
n	72	72		
no	0	0		

2013.1 B
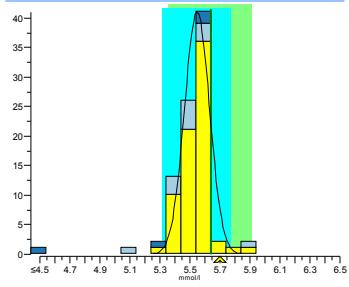
	cons.	meth.	ref.	lab
mean	4.02	4.02	4.10	4.2
SD	0.07	0.07		
n	72	72		
no	0	0		

2013.1 C
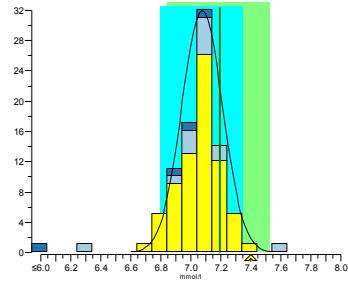
	cons.	meth.	exp.	lab
mean	4.55	4.55	4,64	4.6
SD	0.07	0.07		
n	72	72		
no	1	1		

2013.1 D
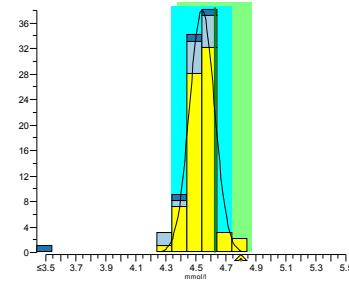
	cons.	meth.	ref.	lab
mean	5.55	5.55	5.64	5.7
SD	0.08	0.08		
n	72	72		
no	2	2		

2013.1 E

	cons.	meth.	ref.	lab
mean	7.08	7.08	7.19	7.4
SD	0.14	0.14		
n	72	72		
no	0	0		

2013.1 F

	cons.	meth.	ref.	lab
mean	4.54	4.54	4.63	4.8
SD	0.08	0.08		
n	73	73		
no	2	2		

Legend

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

3708   dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië
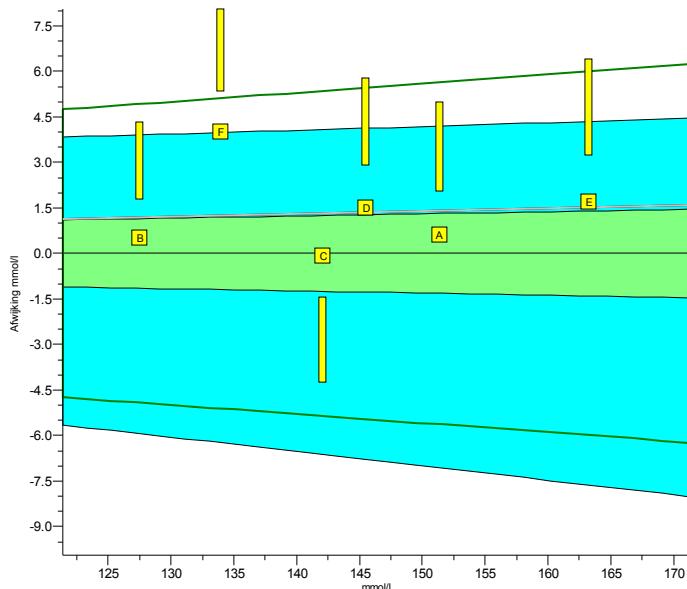
INPUtS 2013.1

Sodium	units: mmol/l
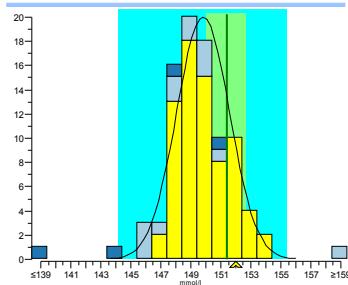
	2013.1	cumulative
Trueness	+0.95%	+0.95%
Precision	1.0%	1.0%
Number	6	6
Outliers	0	0
Sigma-TE	0.7	0.7
Sigma-SA	4.3 [1]	4.3 [1]
Score pictogram		
Regression line	0.0 + 1.009.x	0.0 + 1.009.x
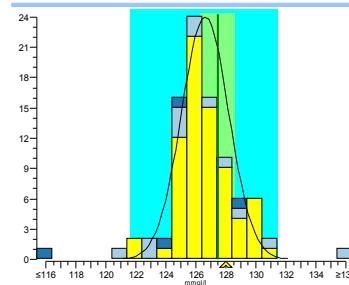
Consensus group	ISE verdund/Vlamfotometrie
Method	ISE indirect (with predilution)

2013.1 A
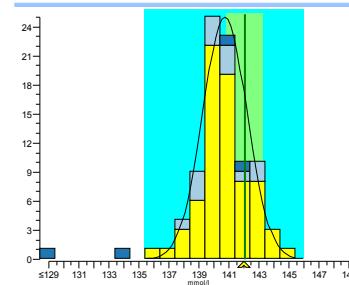
	cons.	meth.	ref.	lab
mean	149.8	149.8	151.4	152
SD	1.8	1.8		
n	72	72		
no	0	0		

2013.1 B
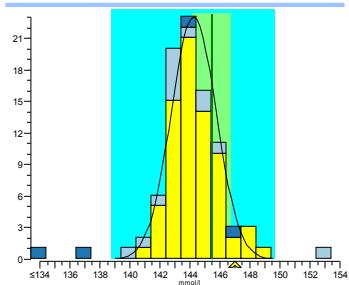
	cons.	meth.	ref.	lab
mean	126.6	126.6	127.5	128
SD	1.6	1.6		
n	72	72		
no	0	0		

2013.1 C
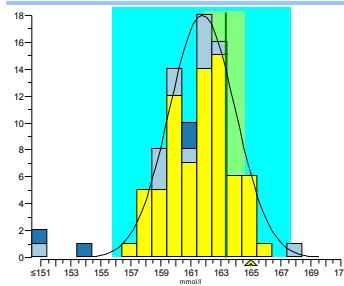
	cons.	meth.	exp.	lab
mean	140.7	140.7	142,1	142
SD	1.5	1.5		
n	72	72		
no	1	1		

2013.1 D
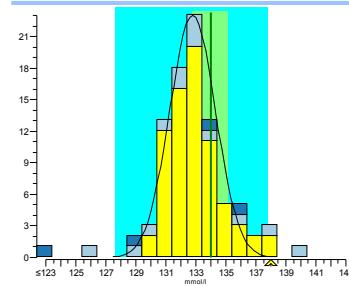
	cons.	meth.	ref.	lab
mean	144.3	144.3	145.5	147
SD	1.5	1.5		
n	72	72		
no	1	1		

2013.1 E
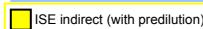
	cons.	meth.	ref.	lab
mean	161.8	161.8	163.3	165
SD	2.2	2.2		
n	72	72		
no	0	0		
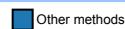
2013.1 F

	cons.	meth.	ref.	lab
mean	132.8	132.8	134.0	138
SD	1.5	1.5		
n	73	73		
no	2	2		

Legend

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

3708   dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië
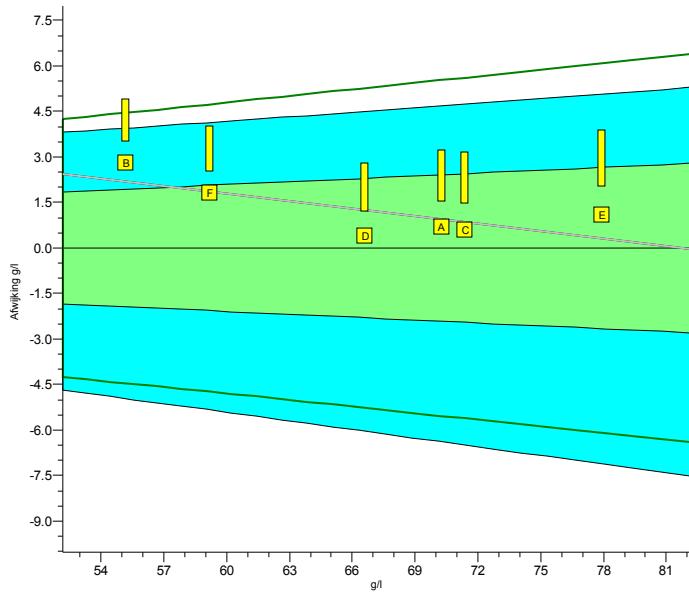
INPUtS 2013.1

Total Protein
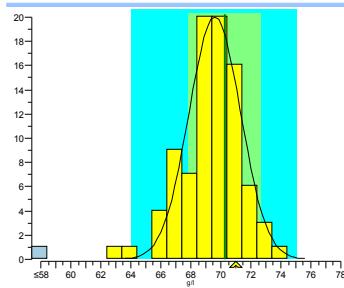
units: g/l
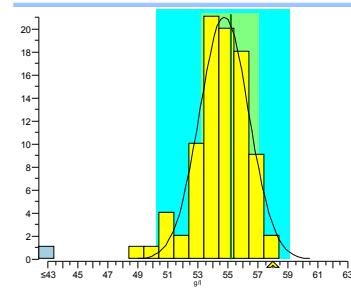
	2013.1	cumulative
Trueness	+1.8%	+1.8%
Precision	1.0%	1.0%
Number	6	6
Outliers	0	0
Sigma-TE	2.3	2.3
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	6.7 + 0.918.x	6.7 + 0.918.x

Consensus group	Biureet
Method	Biurete, automatic

2013.1 A

	cons.	meth.	ref.	lab
mean	69.6	69.6	70.3	71
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	58
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	72
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	67
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	79
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	61
SD	1.7	1.7		
n	89	89		
no	1	1		
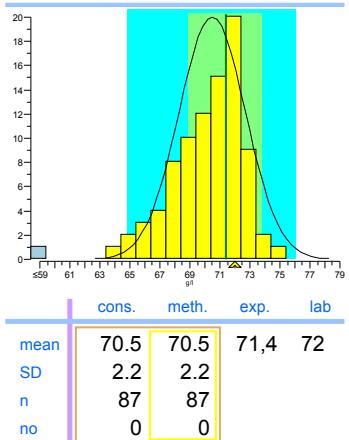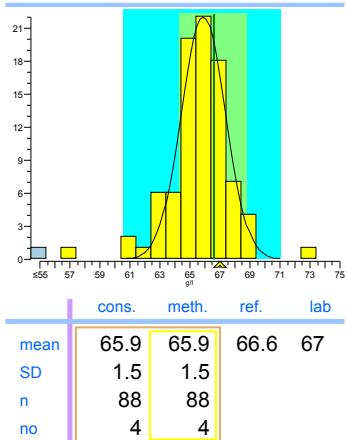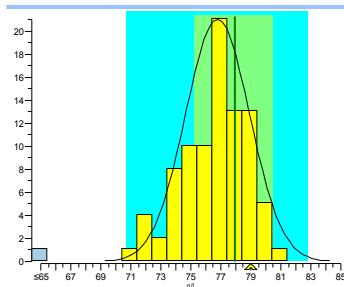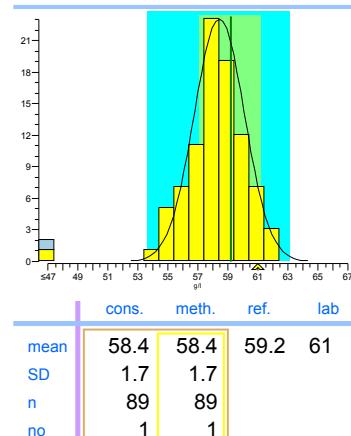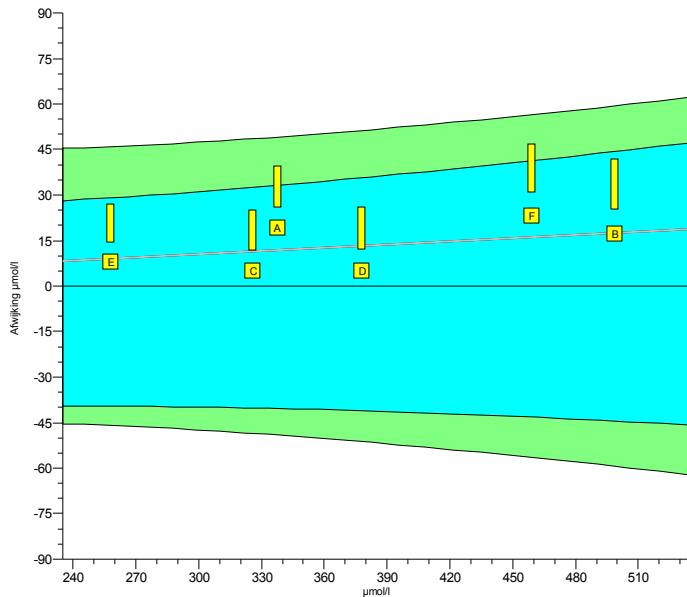
Legend

Biurete, automatic

Other methods

skml
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1
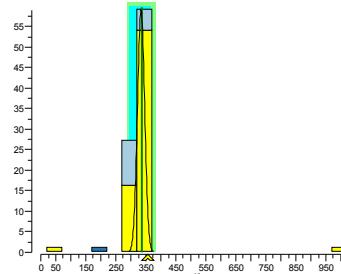
Urate		units: µmol/l

	2013.1	cumulative
Trueness	+3.4%	+3.4%
Precision	1.6%	1.6%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	5.4	5.4
Score pictogram		
Regression line	0 + 1.035.x	0 + 1.035.x
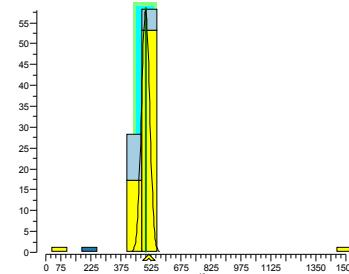
Consensus group	Colorimetrisch
Method	Uricase, colorim., automatic

2013.1 A
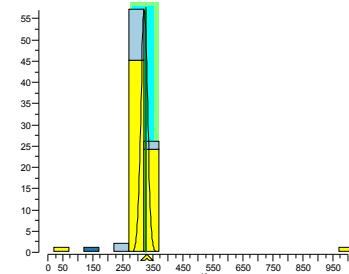
	cons.	meth.	ref.	lab
mean	334	334	0.338	357
SD	12	12		
n	88	72		
no	18	2		

2013.1 B
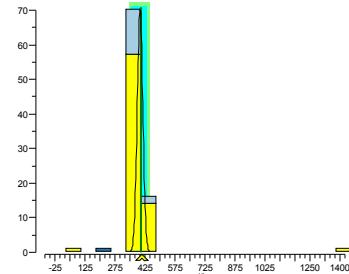
	cons.	meth.	ref.	lab
mean	499	499	0.499	516
SD	20	20		
n	88	72		
no	18	2		

2013.1 C
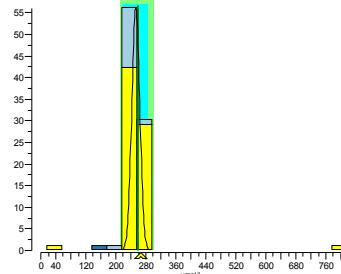
	cons.	meth.	exp.	lab
mean	321	321	0,326	331
SD	11	11		
n	87	71		
no	18	2		

2013.1 D
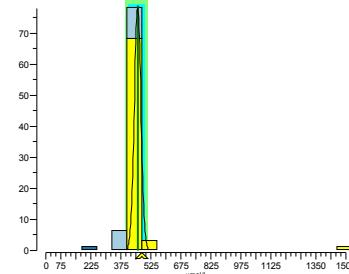
	cons.	meth.	ref.	lab
mean	376	376	0.378	383
SD	14	14		
n	88	73		
no	17	2		

2013.1 E

	cons.	meth.	ref.	lab
mean	253	253	0.258	266
SD	11	11		
n	89	73		
no	18	2		

2013.1 F

	cons.	meth.	ref.	lab
mean	459	459	0.459	482
SD	17	17		
n	88	72		
no	17	1		
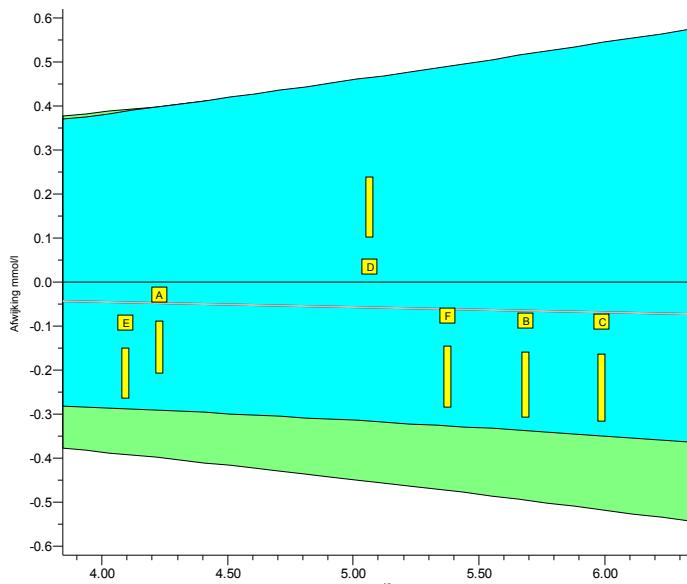
Legend

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

SKML
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

July, 29 2014 11:40

Groot Brittannië

INPUtS 2013.1

Cholesterol	units: mmol/l
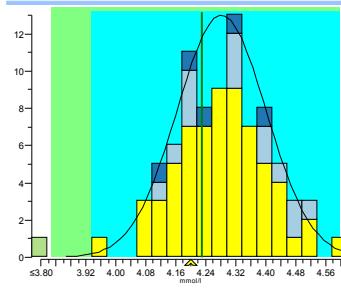
	2013.1	cumulative
Trueness	-1.1%	-1.1%
Precision	1.1%	1.1%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 [2]	6.0 [2]
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	0.00 + 0.989.x	0.00 + 0.989.x
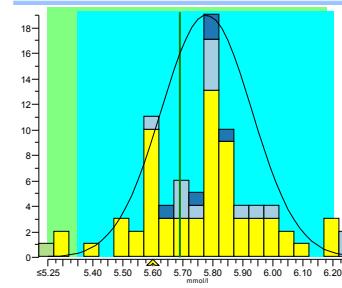
Consensus group	Enzymatisch
Method	Enzymatic, automatic, discrete
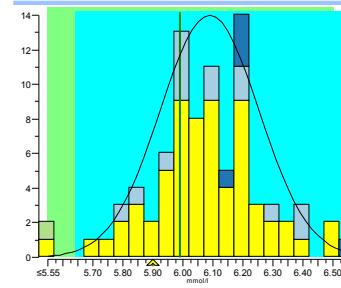
2013.1 A

	cons.	meth.	ref.	lab
mean	4.28	4.28	4.230	4.2
SD	0.12	0.12		
n	83	64		
no	0	0		

2013.1 B
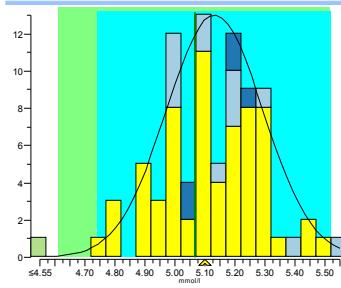
	cons.	meth.	ref.	lab
mean	5.78	5.78	5.689	5.6
SD	0.15	0.18		
n	83	64		
no	4	2		

2013.1 C
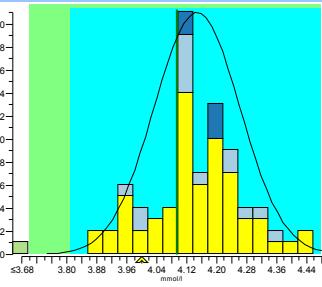
	cons.	meth.	exp.	lab
mean	6.09	6.08	5,99	5.9
SD	0.16	0.17		
n	83	64		
no	1	1		

2013.1 D
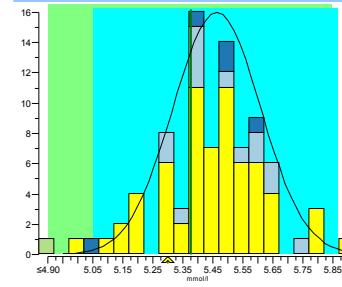
	cons.	meth.	ref.	lab
mean	5.13	5.12	5.066	5.1
SD	0.16	0.17		
n	82	64		
no	0	0		

2013.1 E

	cons.	meth.	ref.	lab
mean	4.15	4.14	4.094	4
SD	0.11	0.13		
n	84	65		
no	0	0		

2013.1 F
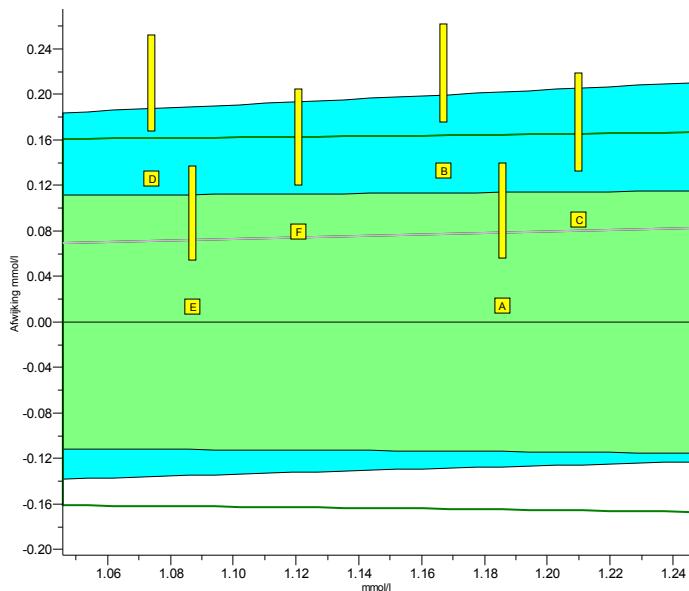
	cons.	meth.	ref.	lab
mean	5.46	5.45	5.377	5.3
SD	0.15	0.16		
n	84	65		
no	2	2		

Legend

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

SKML
Stichting Kwaliteitsbewaking
Medische Laboratoriumdiagnostiek

MUSE

3708 dr. B. Croal
Aberdeen Royal Infirmary
Aberdeen

INPUtS 2013.1

July, 29 2014 11:40

Groot Brittannië

HDL-Cholesterol	units: mmol/l
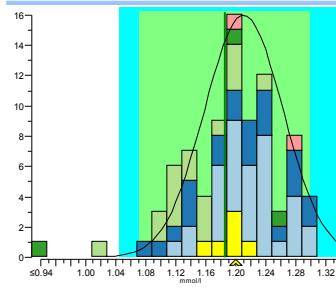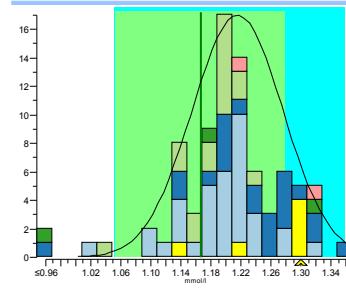
	2013.1	cumulative
Trueness	+6.6%	+6.6%
Precision	3.7%	3.7%
Number	6	6
Outliers	0	0
Sigma-TE	1.9	1.9
Sigma-SA	3.4 1	3.4 1
Score pictogram		
Regression line	0.00 + 1.066.x	0.00 + 1.066.x

Consensus group	Direct
Method	Catalase method (Denka Seiken)

2013.1 A

	cons.	meth.	ref.	lab
mean	1.21	1.19	1.186	1.2
SD	0.05	0.03		
n	62	6		
no	0	0		

2013.1 B

	cons.	meth.	ref.	lab
mean	1.22	1.26	1.167	1.3
SD	0.06	0.07		
n	62	6		
no	2	0		

2013.1 C

	cons.	meth.	exp.	lab
mean	1.25	1.27	1,21	1.3
SD	0.07	0.08		
n	62	6		
no	1	0		

2013.1 D

	cons.	meth.	ref.	lab
mean	1.11	1.12	1.074	1.2
SD	0.06	0.08		
n	60	6		
no	0	0		

2013.1 E

	cons.	meth.	ref.	lab
mean	1.11	1.10	1.087	1.1
SD	0.06	0.06		
n	62	6		
no	1	0		

2013.1 F

	cons.	meth.	ref.	lab
mean	1.15	1.18	1.121	1.2
SD	0.07	0.09		
n	62	6		
no	0	0		
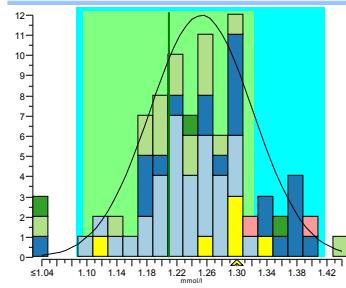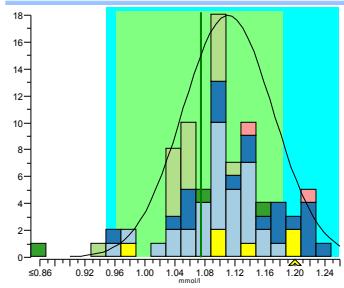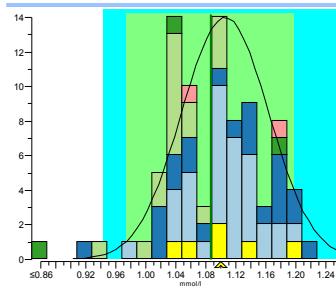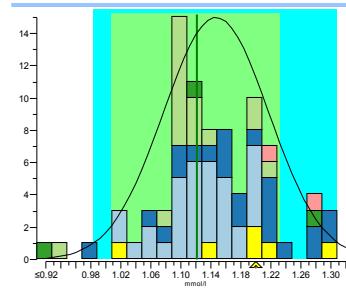
Legend

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