

Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE I

Explanation of codes used in this report

R - Results removed due to reconstitution error
N - No result returned
C - Result corrected

Authorised by: Stephen Doherty, RIQAS Manager

Issue No: I

Issue Date: 09/02/2023

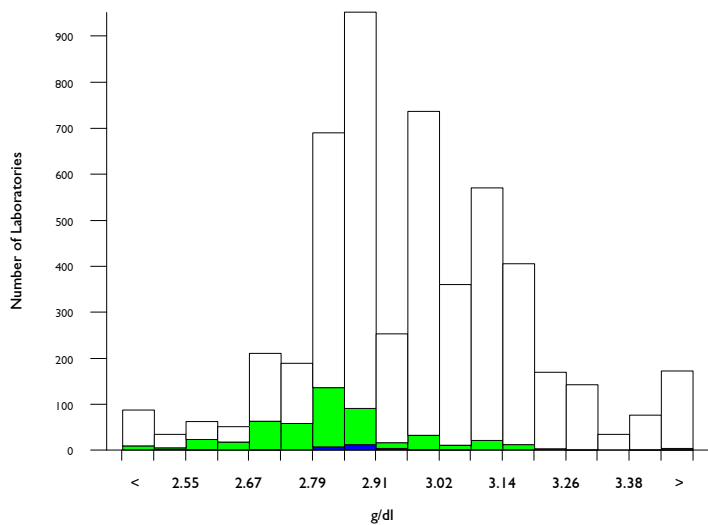
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Albumin, g/dl

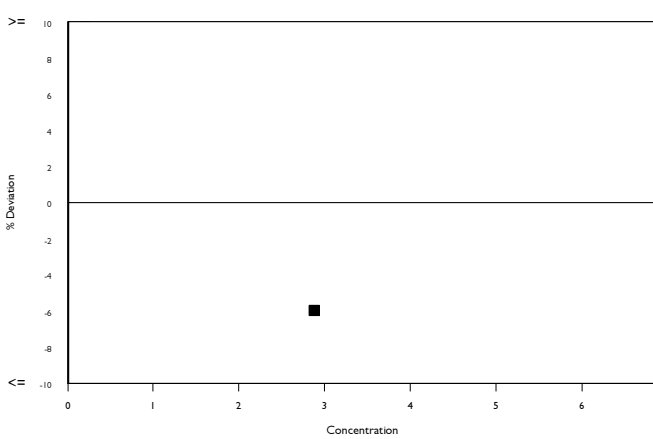
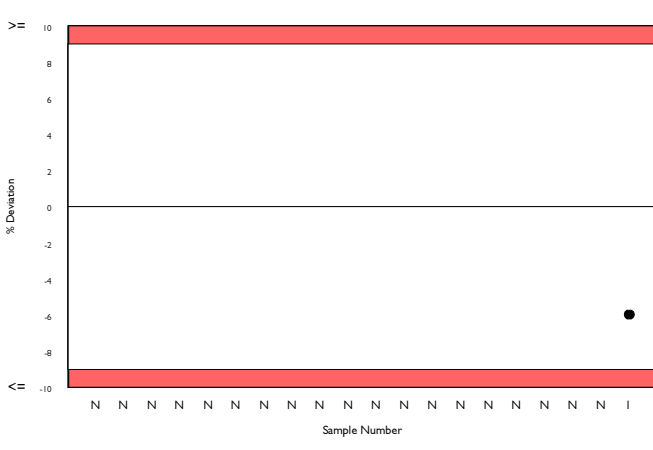
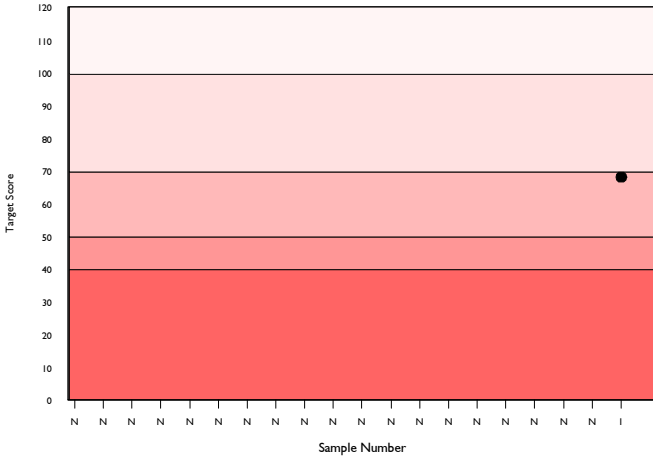
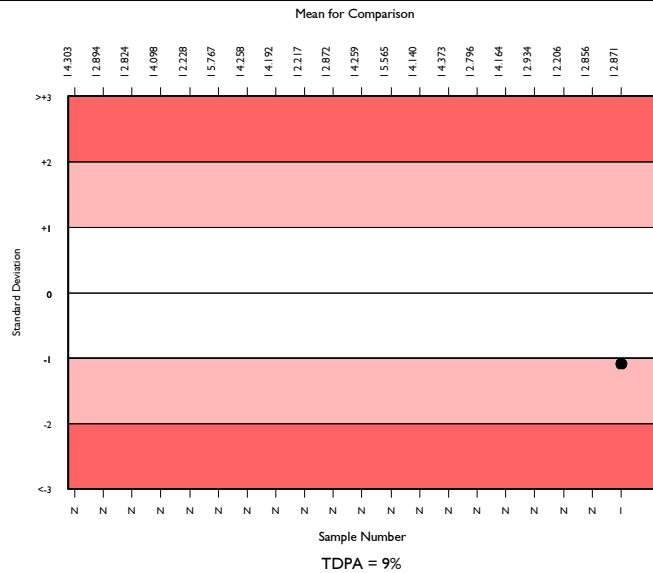
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	4802	2.970	5.3	0.00	0.16	391
Bromocresol Purple	464	2.823	4.2	0.01	0.15	41
Abbott Architect c systems	25	2.871	2.3	0.02	0.16	5

▲ Your Result	2.700	SDI	-1.09
		RMSDI	Too Few
■ Mean for Comparison	2.871	TS	68
		RMTS	Too Few
		%DEV	-6.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.00%



Method	N	Mean	CV%	U _m
Bromocresol Green	3910	2.990	5.1	0.00
Bromocresol Purple	464	2.823	4.2	0.01
Ortho Vitros MicroSlide Systems	204	2.933	3.5	0.01
Agappe - Bromocresol Green	56	3.140	4.4	0.02
Abbott Alinity Albumin BCG 2	34	2.857	1.7	0.01
Other Dry Chemistry	37	3.405	4.6	0.03
Turbidimetric Assays	28	2.976	7.1	0.05
Abbott Architect Albumin BCG 2	19	2.869	1.6	0.01
Abbott Architect Albumin BCP 2	10	2.693	2.2	0.02
Nephelometric Assays	5	2.972	5.8	0.10
Abbott Alinity Albumin BCP 2	4	2.630	3.9	0.06
Vitros DT60/DT60 II/DTSC II	2	2.930	3.4	0.09
Electrophoresis	2	2.985	6.4	0.17

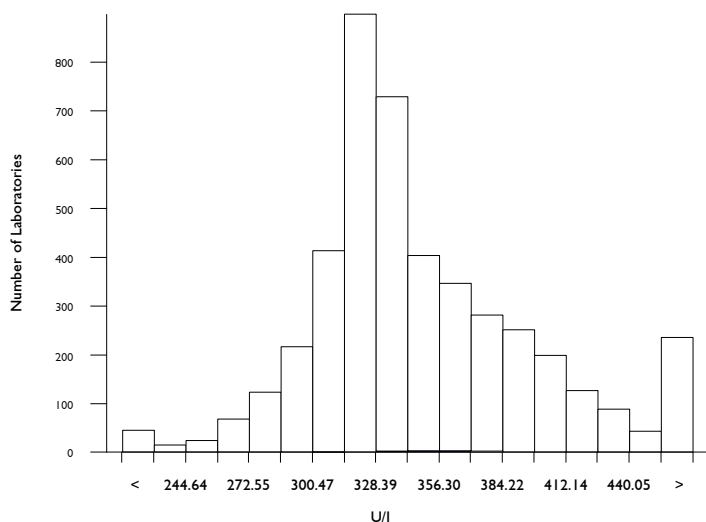


Alkaline Phosphatase, U/I @ 37°C

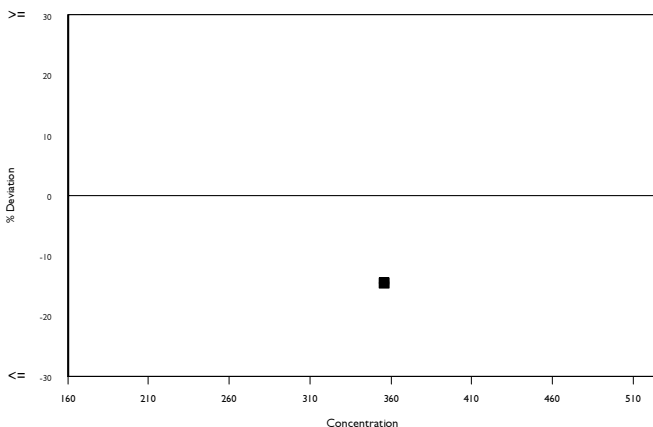
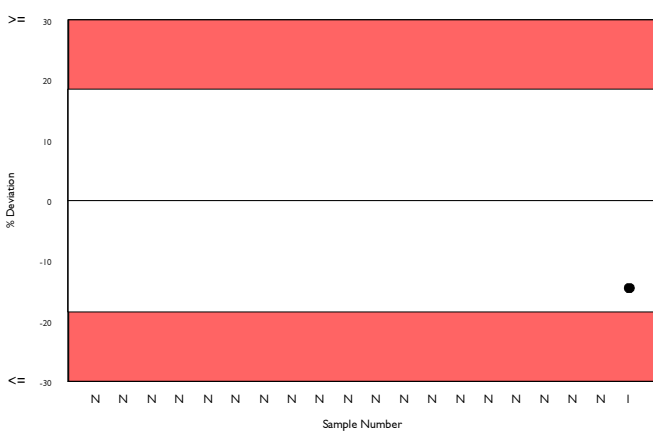
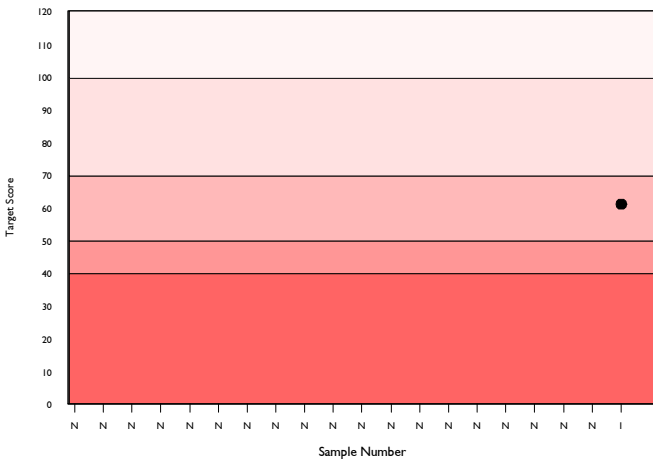
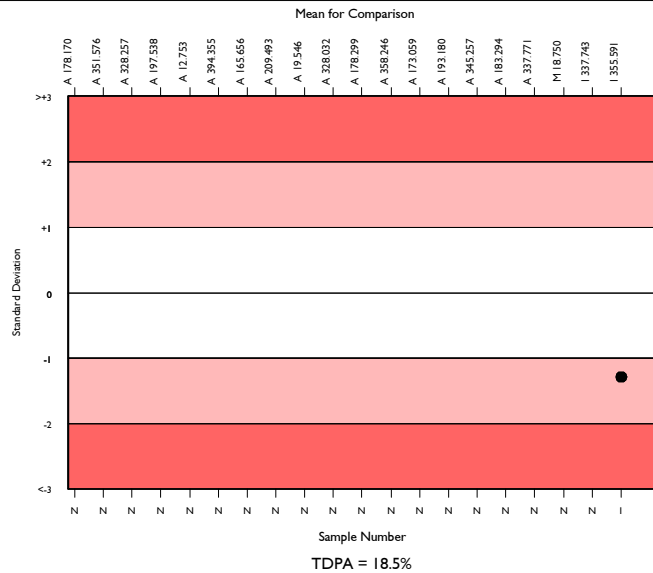
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	4144	342.350	10.9	0.72	38.50	359
Abbott Architect Alkaline Phosphatase 2	10	355.591	4.0	5.69	39.99	I
Abbott Architect c systems	10	355.591	4.0	5.69	39.99	I

▲ Your Result	304.000	SDI	-1.29
		RMSDI	Too Few
■ Mean for Comparison	355.591	TS	61
		RMTS	Too Few
		%DEV	-14.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%



Method	N	Mean	CV%	U _m
AMP optimised to IFCC	1713	350.238	9.3	0.99
Roche AMP buffer IFCC	1020	323.629	4.0	0.50
Diethanolamine buffer, DEA	371	427.796	14.6	4.04
AMP non-optimised	217	349.115	8.8	2.62
Ortho Vitros MicroSlide Systems	216	283.674	5.4	1.30
Siemens/Dade Dimension AMP buffer	205	320.001	3.0	0.84
Beckman AMP (Calibrator)	112	394.756	5.8	2.68
Colorimetric	88	343.048	9.4	4.30
Other AMP kits	40	338.353	6.1	4.07
Agappe - DGKC-SCE	39	428.068	3.5	2.97
Other Dry Chemistry	38	377.160	10.3	7.86
Abbott Alinity Alkaline Phosphatase 2	14	363.929	3.3	4.05
Beckman AMP (Extinction Coeff)	13	379.878	5.6	7.32
Abbott Architect Alkaline Phosphatase 2	10	355.591	4.0	5.69
AMP optimised to NVKC/SFBC	6	400.290	13.0	26.65
Fuji Dri-Chem JSCC	5	380.500	5.6	11.94
AMPD optimised to JSCC	3	361.533	20.6	53.80
Vitros DT60/DT60 II/DTSC II	2	282.000	1.0	2.50
AMP reduced interference	2	364.500	8.3	26.87

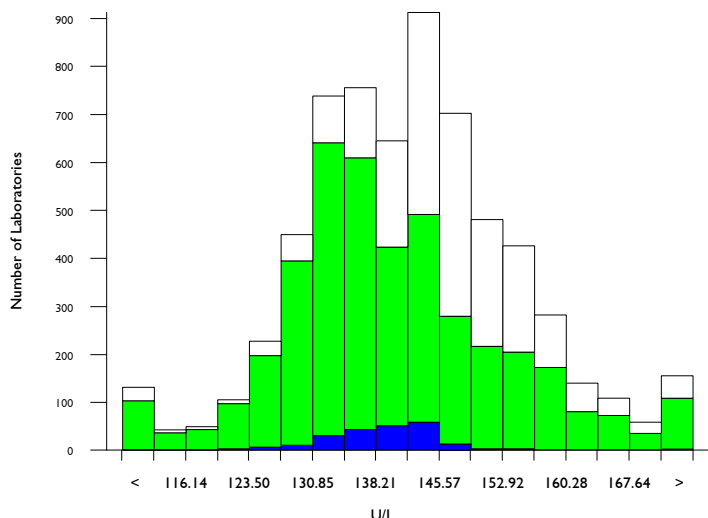


ALT (GPT), U/I @ 37°C

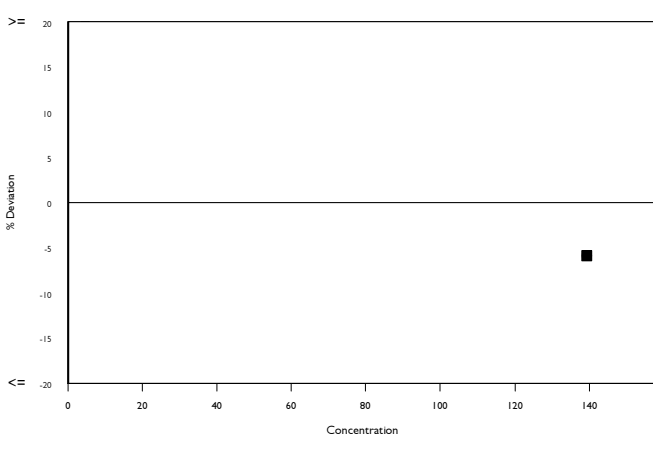
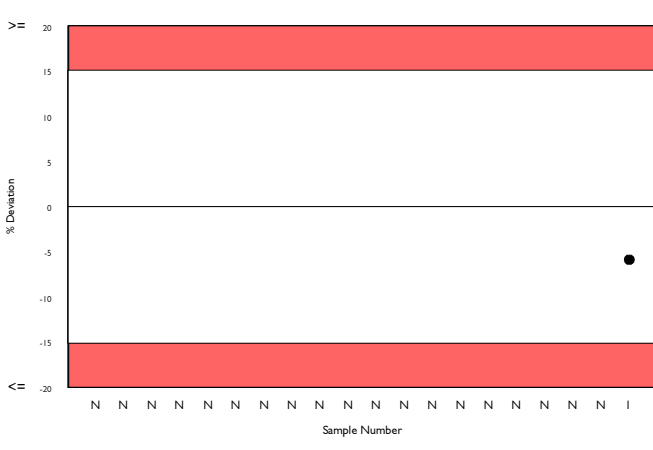
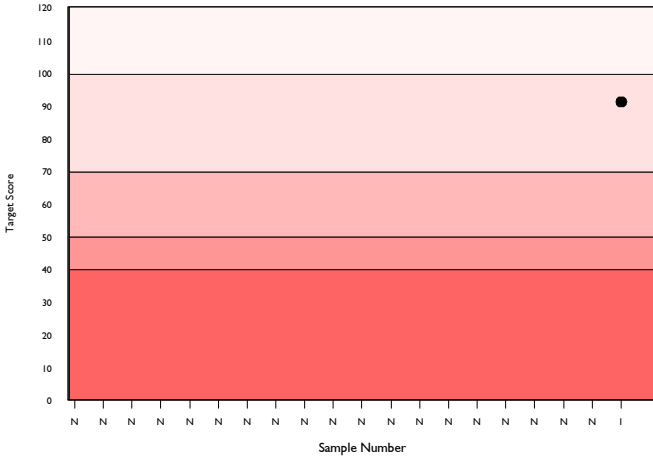
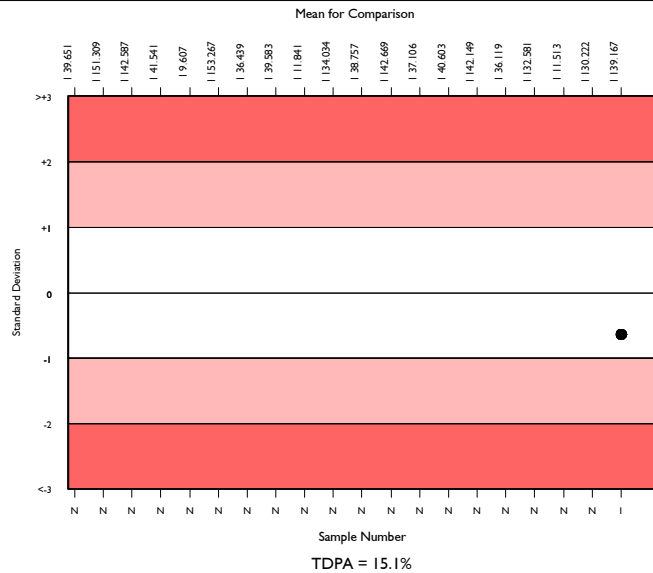
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5929	141.895	6.9	0.16	13.03	480
Tris buffer without P5P	3855	139.271	7.1	0.20	12.79	348
Abbott Architect c systems	206	139.167	3.5	0.42	12.78	19

▲ Your Result	131.000	SDI	-0.64
		RMSDI	Too Few
■ Mean for Comparison	139.167	TS	91
		RMTS	Too Few
		%DEV	-5.9
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.10%



Method	N	Mean	CV%	U _m
Tris buffer without P5P	3855	139.271	7.1	0.20
Beckman Mod. IFCC Ref. without P5P	686	144.956	3.7	0.26
Tris buffer with P5P	579	147.160	5.8	0.44
Ortho Vitros MicroSlide Systems	163	145.883	4.0	0.58
Siemens/Dade standard nonIFCC correlated	147	153.401	3.2	0.51
Beckman IFCC Ref. with P5P	87	144.657	3.8	0.74
Agappe - IFCC	75	149.545	5.9	1.27
Ortho Vitros MicroSlide visible	72	146.859	3.4	0.74
Colorimetric	52	146.214	6.9	1.74
Other Dry Chemistry	50	143.688	5.8	1.47
Abbott Alinity ALT 2	24	132.155	3.8	1.29
Phosphate buffer, DGKC	22	144.283	9.0	3.45
Tris buffer with P5P, NVKC	18	149.494	9.5	4.17
Tris buffer, SCE	12	135.096	10.4	5.06
Abbott Architect ALT 2	11	129.157	3.8	1.84
Beckman (Extinction Coefficient)	8	141.715	6.5	4.06
Vitros DT60/DT60 II/DTSC II	2	131.500	5.9	6.87

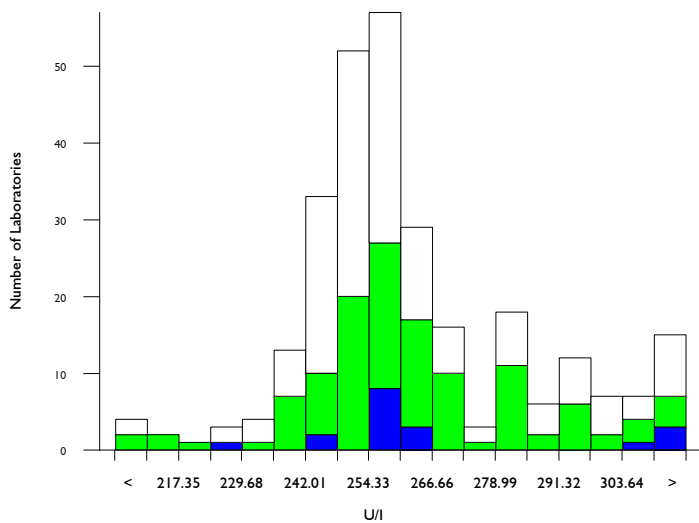


Amylase, Pancreatic, U/I @ 37°C

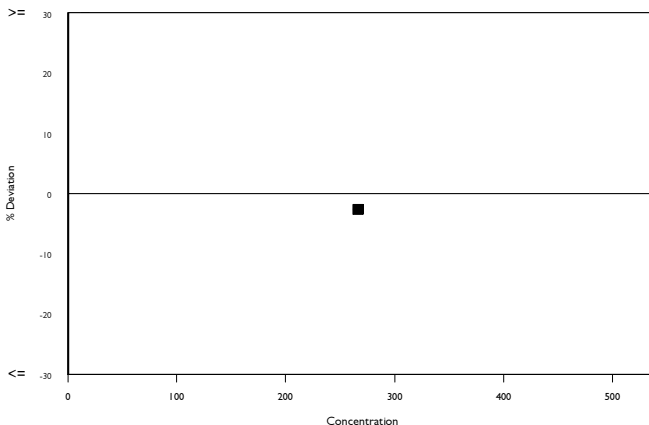
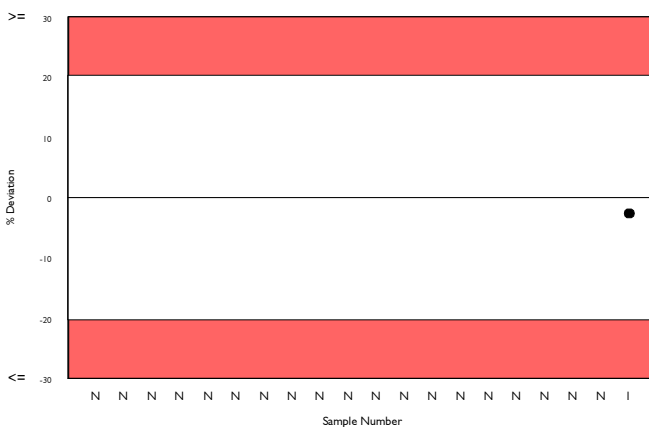
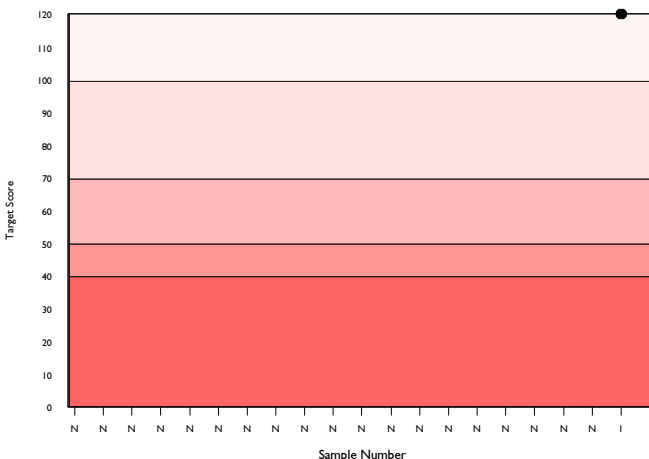
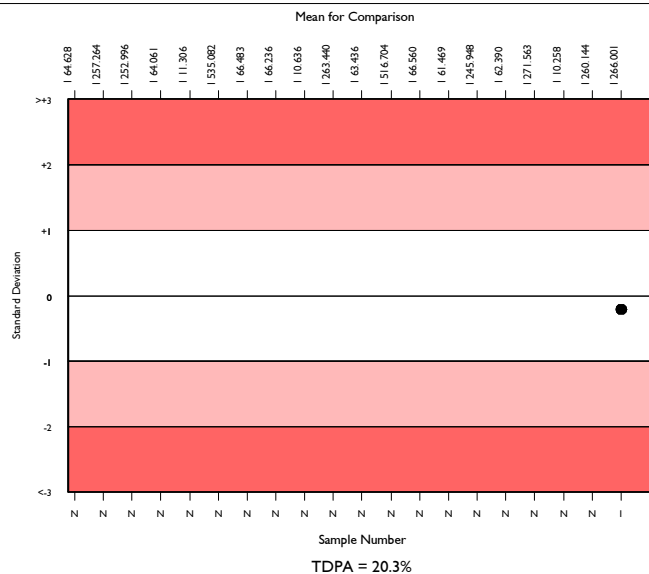
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	255	260.503	6.3	1.29	32.15	27
Immunoinhibition, EPS substrate	116	261.943	5.9	1.80	32.33	15
Abbott Architect c systems	17	266.001	8.8	7.10	32.83	1

▲ Your Result	259.000	SDI RMSDI	-0.21 Too Few
■ Mean for Comparison	266.001	TS RMTS	120 Too Few
		%DEV RM%DEV	-2.6 Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.30%



Method	N	Mean	CV%	U _m
Immunoinhibition, EPS substrate	116	261.943	5.9	1.80
Roche Liquid Stable pNPG7	94	253.210	2.8	0.93
Amylolytic Methods	18	281.602	9.7	8.05
Beckman Synchron/CX/LXi/DxC	10	266.658	10.7	11.32
Randox Liquid Stable pNPG7	6	284.050	2.9	4.17
Other Dry Chemistry	5	245.500	29.1	39.87

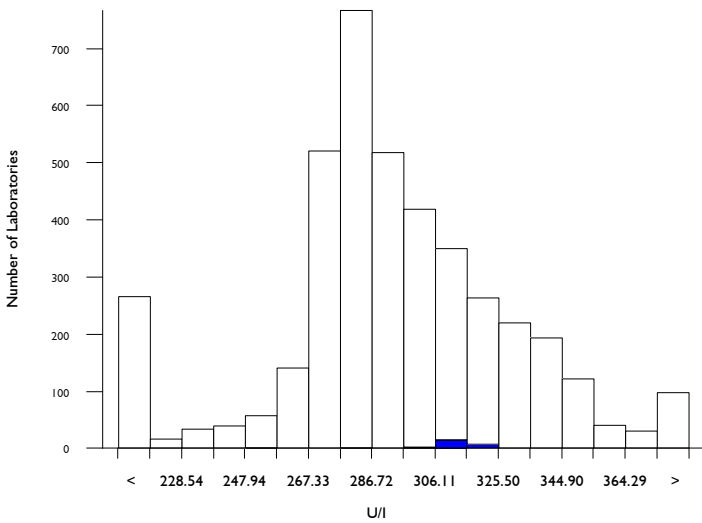


Amylase, Total, U/l @ 37°C

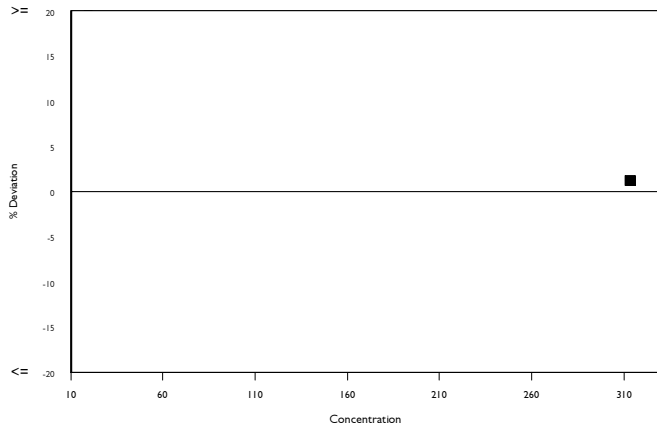
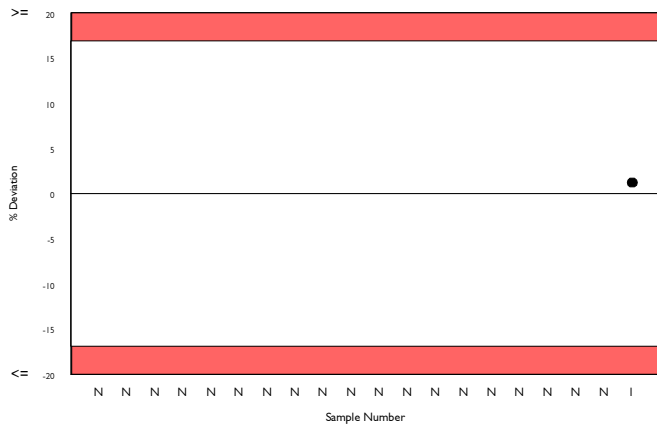
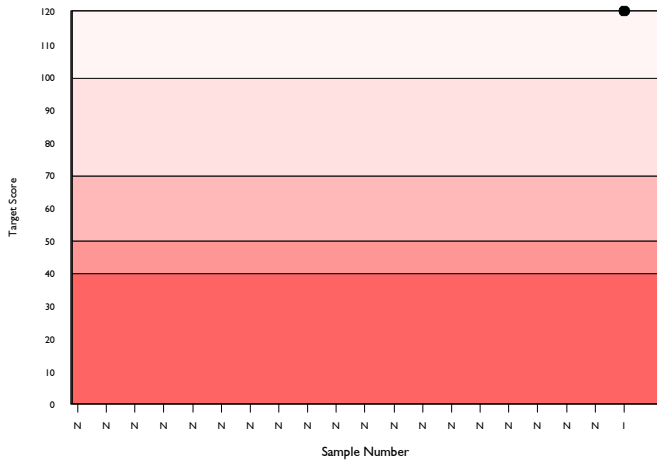
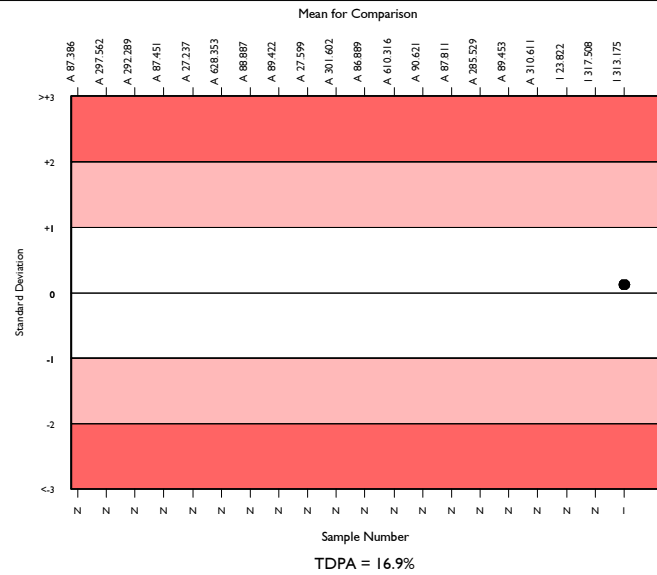
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	3698	296.421	8.7	0.53	30.46	389
Abbott Architect Amylase 2	24	312.911	1.7	1.32	32.15	2
Abbott Architect c systems	22	313.175	1.6	1.36	32.18	2

▲ Your Result	317.000	SDI	0.12
		RMSDI	Too Few
■ Mean for Comparison	313.175	TS	120
		RMTS	Too Few
		%DEV	1.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.90%



Method	N	Mean	CV%	U _m
Other 2-chloro-pNPG3	822	296.065	9.2	1.19
Roche liquid stable pNPG7	769	278.146	2.1	0.27
Siemens/Dade Behring 2-chloro-pNPG3	220	340.367	2.3	0.65
Beckman Olympus blocked pNPG7	179	293.610	3.8	1.04
Beckman CNPG3 (Master Cal)	181	292.509	3.4	0.93
Ortho Vitros MicroSlide Systems	141	182.502	4.1	0.79
Siemens - blocked pNPG7	144	312.479	6.1	1.97
Other - blocked pNPG7	121	291.670	8.1	2.67
Randox Liquid Ethylidene pNPG7	108	306.721	6.2	2.30
Abbott Architect/Alinity cal factor 3431	102	314.993	2.9	1.13
Other non blocked pNPG7	88	306.021	9.1	3.71
Roche Integra 2-chloro-pNPG7	64	283.297	2.8	1.25
Beckman Synchron AMY7	53	299.090	3.3	1.72
Human CNPG3 (IFCC)	52	303.058	7.6	3.99
Agappe - CNPG3	53	308.369	5.1	2.69
Other 2-chloro-pNP-linked sub.	50	298.333	8.0	4.23
Wiener Amilokit (AU/dl)	47	211.236	18.8	7.24
Abbott Architect/Alinity cal factor 3806	49	330.433	5.1	3.02
pNP Maltotriose substrates	45	302.606	6.2	3.50
BM/Roche Colorimetric pNPG7	38	278.206	2.8	1.56
Beckman CNPG3 (Extinction Coeff)	33	296.902	4.5	2.92

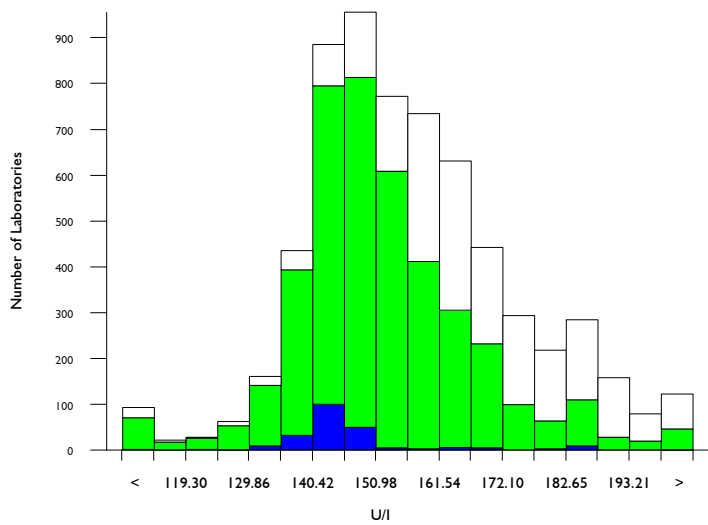


AST (GOT), U/I @ 37°C

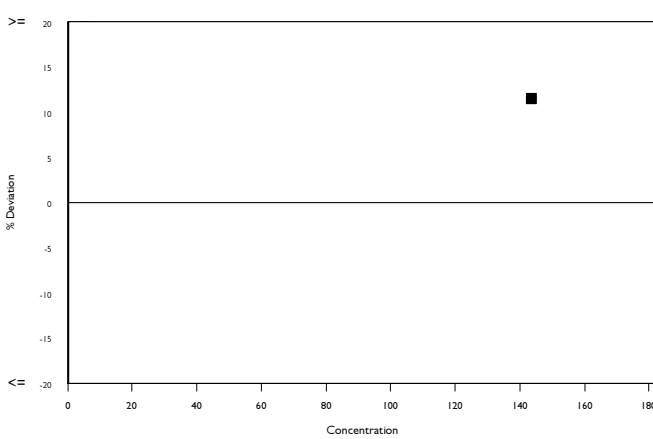
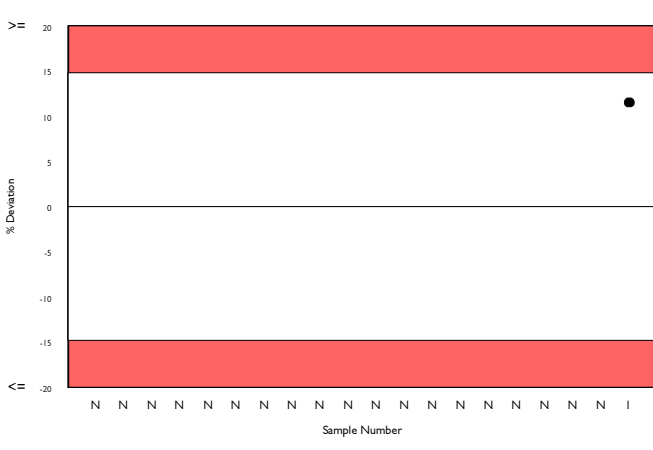
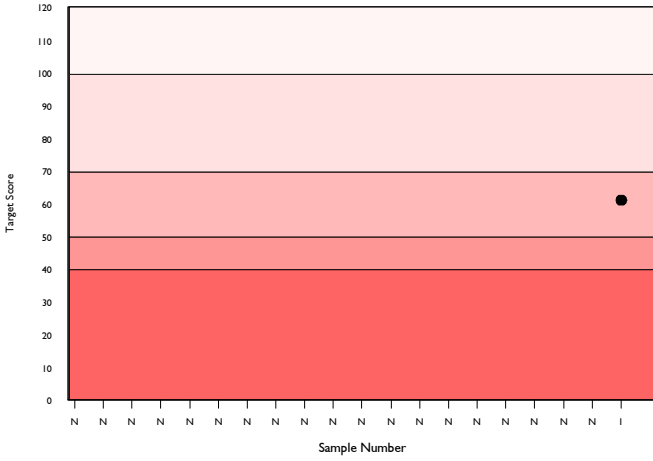
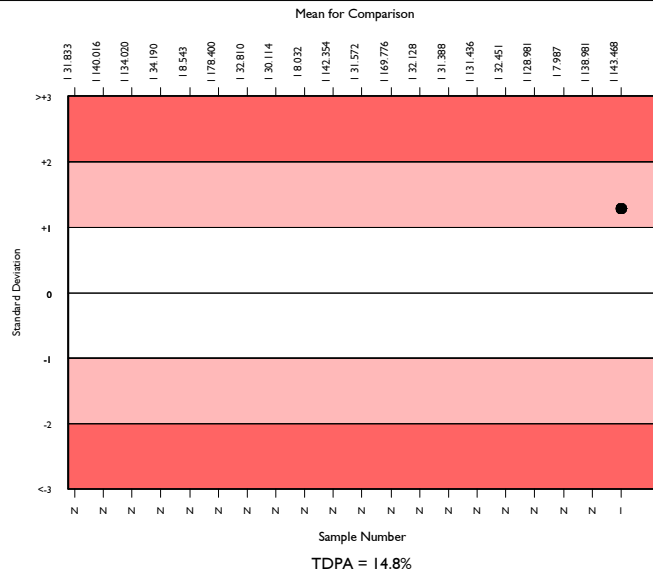
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5962	156.262	9.0	0.23	14.06	413
Tris buffer without P5P	3861	150.628	6.9	0.21	13.55	374
Abbott Architect c systems	200	143.468	3.3	0.42	12.91	28

▲ Your Result	160.000	SDI	1.28
		RMSDI	Too Few
■ Mean for Comparison	143.468	TS	61
		RMTS	Too Few
		%DEV	11.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.80%



Method	N	Mean	CV%	U _m
Tris buffer without P5P	3861	150.628	6.9	0.21
Beckman Mod. IFCC Ref. without P5P	700	160.476	3.9	0.29
Tris buffer with P5P	538	174.454	7.6	0.72
Ortho Vitros MicroSlide visible	224	190.690	4.5	0.71
Siemens/Dade standard non IFCC corr.	159	174.354	3.8	0.65
Agappe - IFCC	71	149.469	4.7	1.04
Beckman IFCC Ref. with P5P	67	162.156	5.4	1.33
Other Dry Chemistry	48	157.921	4.4	1.26
Colorimetric	49	154.667	7.9	2.19
Abbott Alinity AST 2	25	165.564	6.9	2.86
Phosphate buffer, DGKC	24	159.188	10.9	4.44
Tris buffer with P5P, NVKC	17	155.209	8.2	3.87
Abbott Architect AST 2	12	167.242	3.8	2.30
Tris buffer, SCE	11	151.124	5.4	3.07
Beckman (Extinction Coefficient)	7	161.471	6.0	4.61
Vitros DT60/DT60 II/DTSC II	3	152.333	0.8	0.83

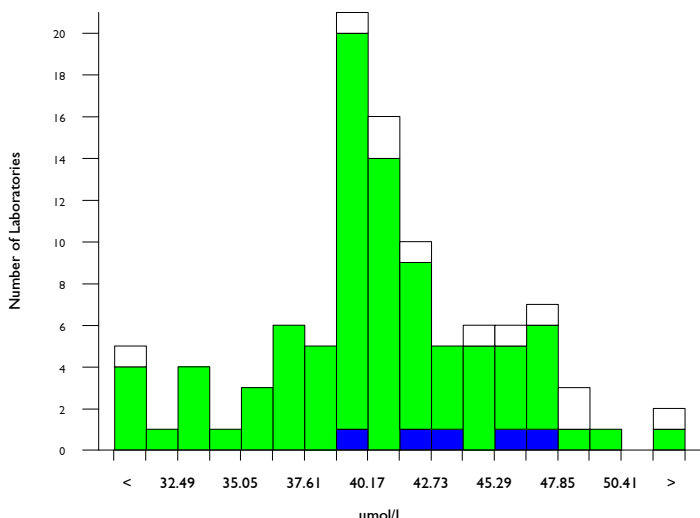


Bile Acids, umol/l

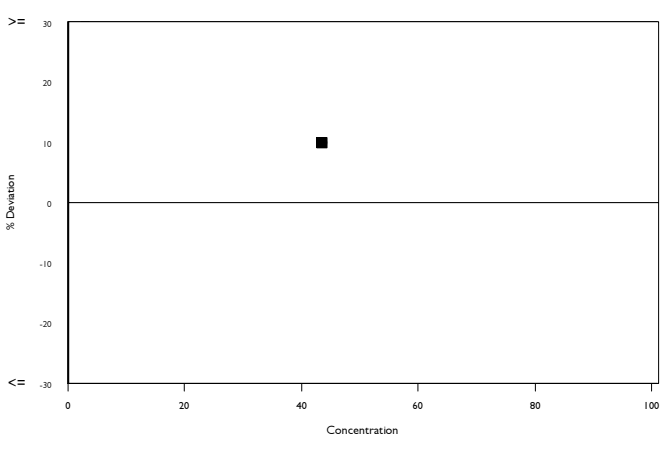
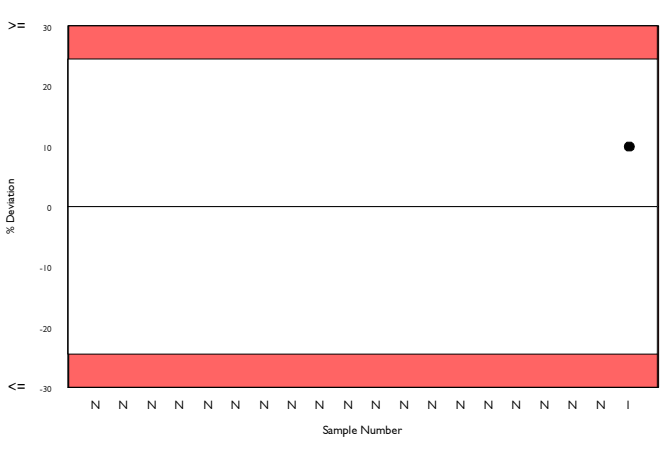
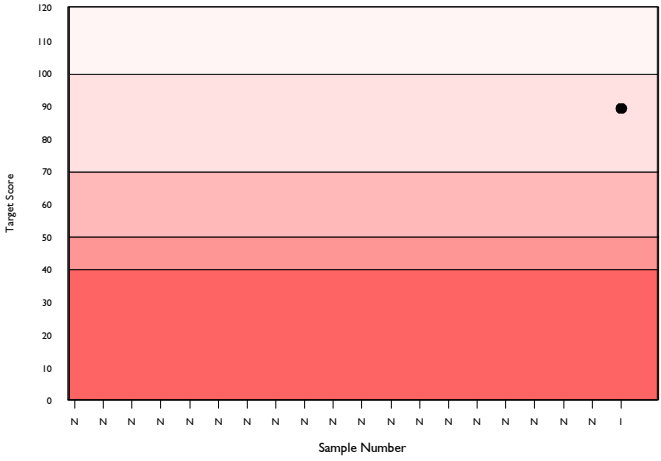
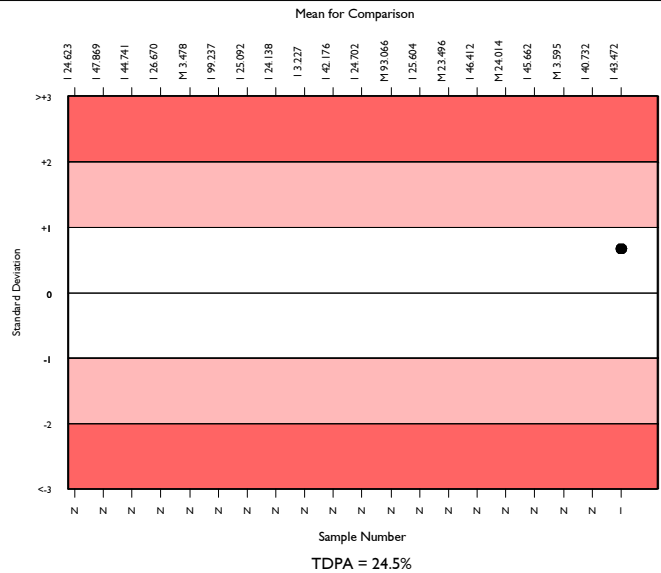
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	90	41.456	8.2	0.45	6.17	12
Enzymatic Colorimetric	82	41.049	8.2	0.47	6.11	9
Abbott Architect c systems	5	43.472	7.7	1.88	6.48	0

▲ Your Result	47.800	SDI	0.67
		RMSDI	Too Few
■ Mean for Comparison	43.472	TS	89
		RMTS	Too Few
		%DEV	10.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.50%



Method	N	Mean	CV%	U _m
Enzymatic Colorimetric	82	41.049	8.2	0.47
Enzymatic Colorimetric - Sentinel	9	44.268	7.6	1.41

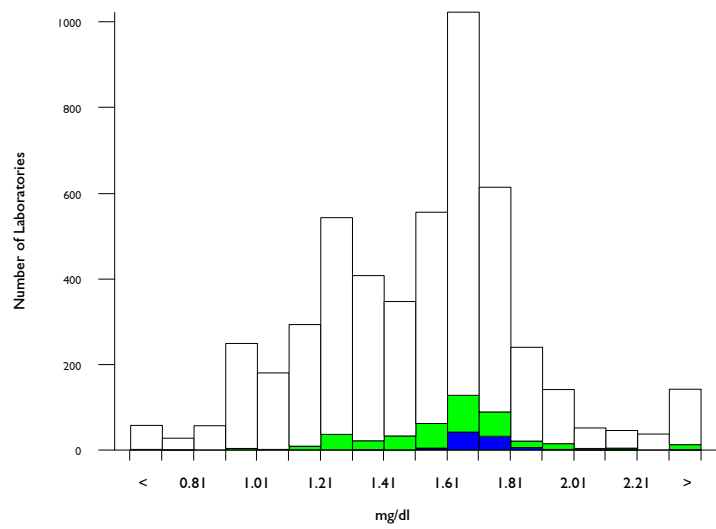


Bilirubin, Direct, mg/dl

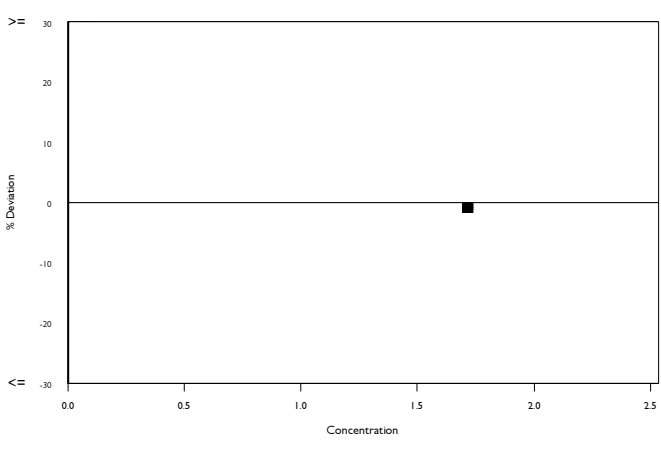
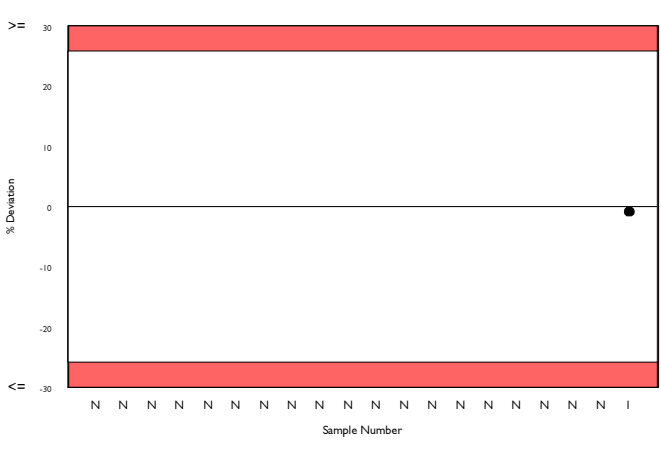
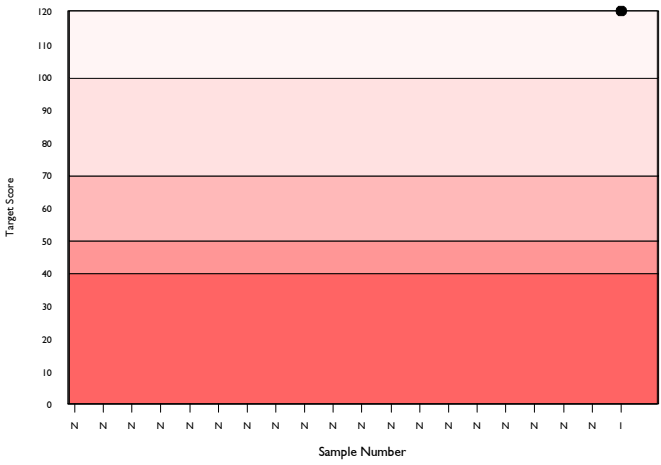
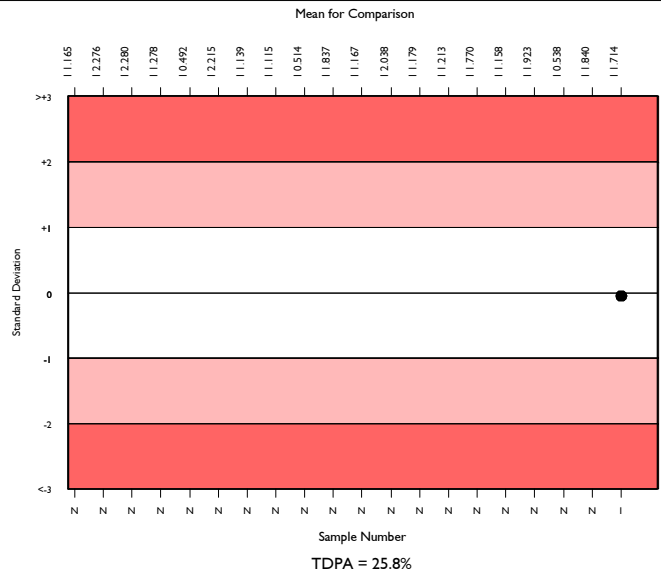
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	4660	1.517	17.5	0.00	0.24	352
Diazo with Dichloroaniline	407	1.632	10.7	0.01	0.26	40
Abbott Architect c systems	80	1.714	3.2	0.01	0.27	11

▲ Your Result	1.700	SDI RMSDI	-0.05 Too Few
■ Mean for Comparison	1.714	TS RMTS	120 Too Few
		%DEV RM%DEV	-0.8 Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.80%



Method	N	Mean	CV%	U _m
Diazo with Sulphanilic Acid	1710	1.561	15.6	0.01
Dichlorophenyl Diazonium	1271	1.474	15.8	0.01
Diazo with Dichloroaniline	407	1.632	10.7	0.01
Roche DPD JG standardised	311	1.686	5.0	0.01
Oxidation to Biliverdin/Vanadate	271	1.699	7.7	0.01
Diazo/ Sulphanilic Siemens Dimension	249	1.004	4.9	0.00
Roche DPD Dumas standardised	174	1.547	11.7	0.02
Diazo/Sulphanilic Beckman DxC	96	1.210	9.9	0.02
Agappe - DIAZO	56	0.970	16.4	0.03
Other Dry Chemistry	35	2.313	7.0	0.03
Direct Spectrophotometry	3	1.743	2.9	0.04
Roche (US calibrator only)	3	1.768	11.0	0.14

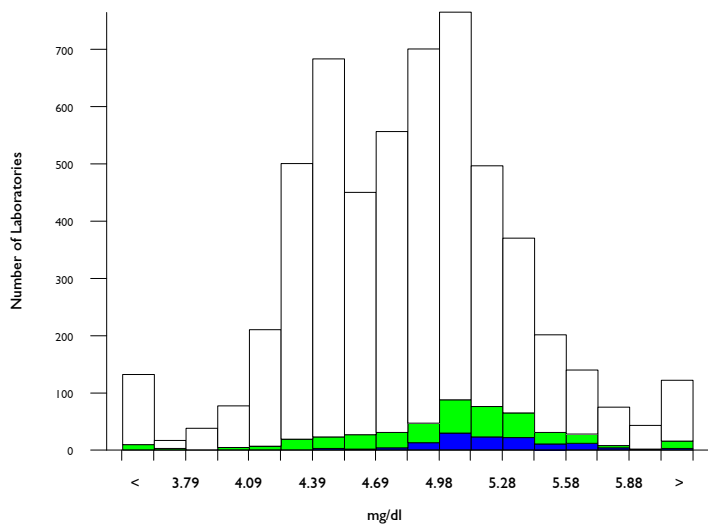


Bilirubin, Total, mg/dl

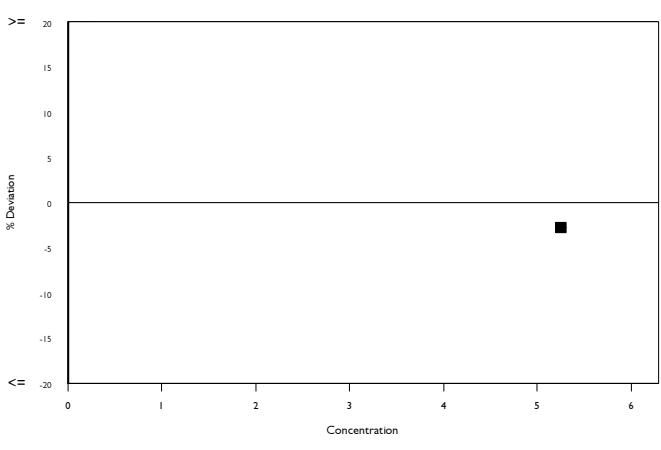
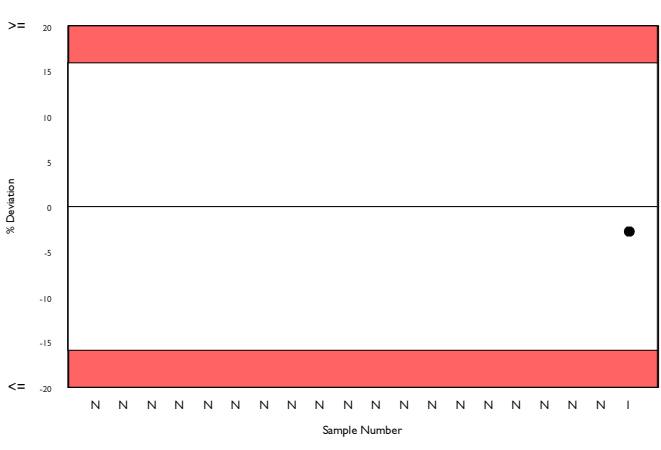
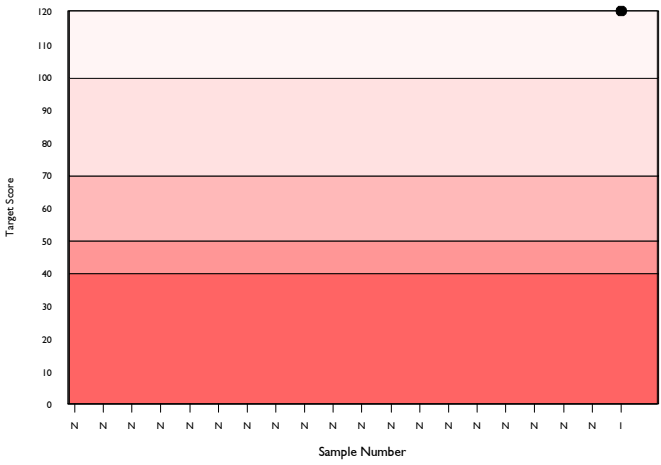
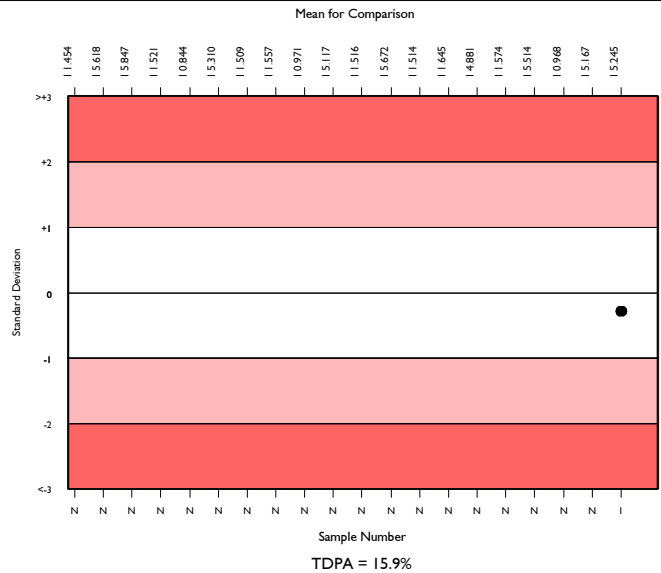
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5183	4.840	8.2	0.01	0.47	393
Diazo with Dichloroaniline	443	5.088	6.9	0.02	0.49	43
Abbott Architect c systems	118	5.245	4.8	0.03	0.51	9

▲ Your Result	5.100	SDI	-0.29
		RMSDI	Too Few
■ Mean for Comparison	5.245	TS	120
		RMTS	Too Few
		%DEV	-2.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.90%



Method	N	Mean	CV%	U _m
Diazo with Sulphanilic Acid	2016	4.917	7.8	0.01
Dichlorophenyl Diazonium	1104	4.599	6.9	0.01
Diazonium ion	492	4.622	7.6	0.02
Diazo with Dichloroaniline	443	5.088	6.9	0.02
DPD (Beckman AU)	424	4.991	3.0	0.01
Oxidation to Biliverdin/Vanadate	297	5.376	5.8	0.02
Ortho Vitros MicroSlide System Total Bil	192	4.489	5.8	0.02
Agappe - TAB	52	4.745	7.5	0.06
Other Dry Chemistry	45	4.528	3.9	0.03
Nitrobenzenediazonium Salt	24	4.745	6.0	0.07
Abbott Alinity Total Bilirubin 2	9	5.138	6.9	0.15
Agappe - DMSO	10	4.826	6.0	0.11
Direct Spectrophotometry	9	4.764	9.1	0.18
Vitros DT60/DT60 II Total Bil	3	4.689	13.1	0.44
Assel - DMSO	2	5.945	8.2	0.43

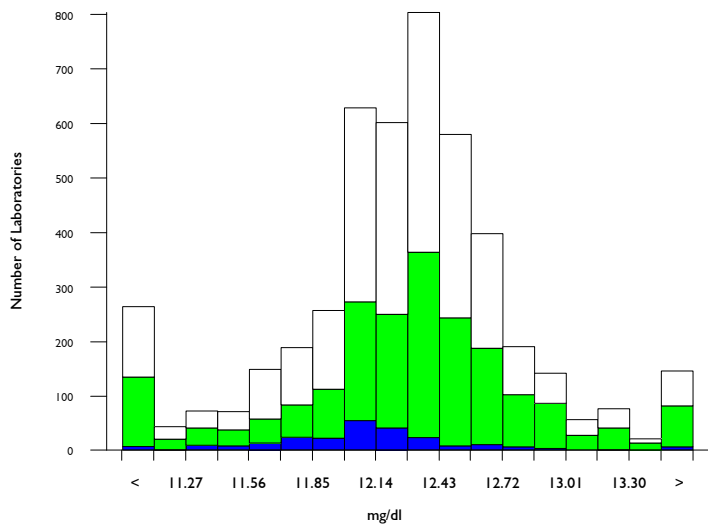


Calcium, mg/dl

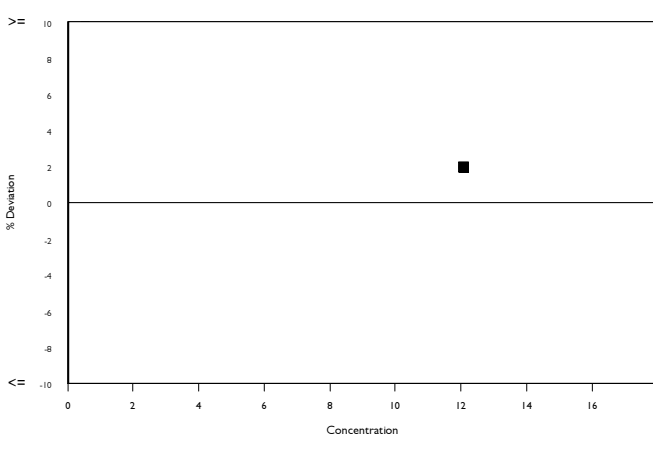
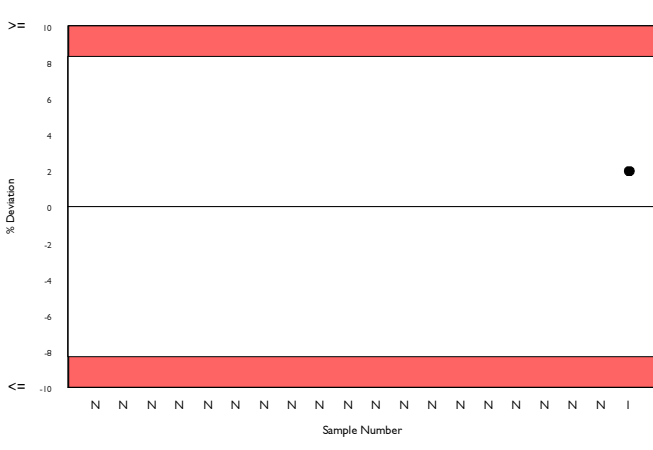
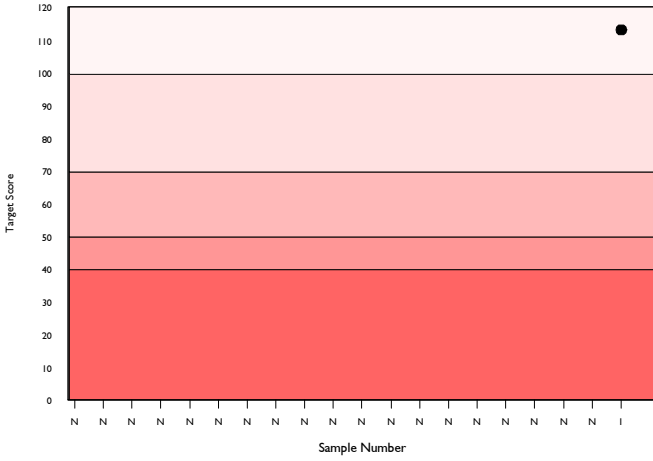
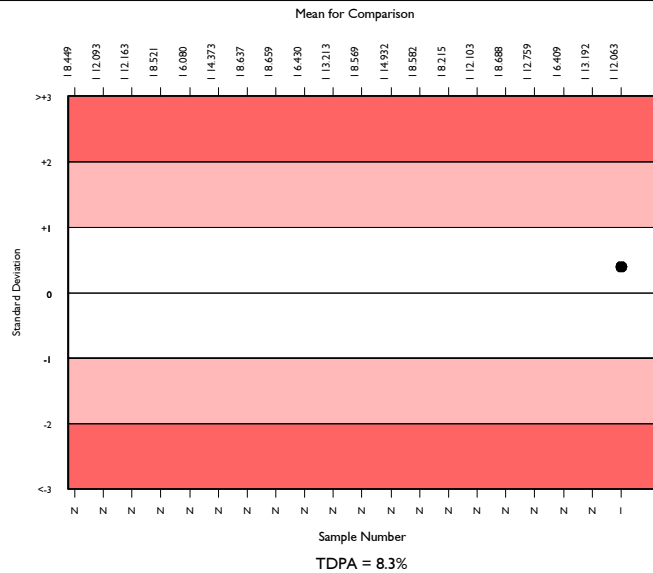
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	4252	12.285	3.1	0.01	0.62	430
Arsenazo	1934	12.305	3.3	0.01	0.62	215
Abbott Architect c systems	218	12.063	2.7	0.03	0.61	19

▲ Your Result	12.300	SDI	0.39
		RMSDI	Too Few
■ Mean for Comparison	12.063	TS	113
		RMTS	Too Few
		%DEV	2.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%



Method	N	Mean	CV%	U _m
Arsenazo	1934	12.305	3.3	0.01
Cresolphthalein complexone	1054	12.259	3.2	0.02
NM-BAPTA	807	12.342	2.0	0.01
Ortho Vitros MicroSlide Systems	217	12.035	2.6	0.03
Ion selective electrode	103	12.098	5.1	0.08
Agappe - ARSENAZO	40	12.289	2.8	0.07
Other Dry Chemistry	33	12.773	5.1	0.14
Phosphonazo	16	12.266	1.8	0.07
Methylthymol blue	13	12.189	3.7	0.16
Atomic absorption	4	12.793	2.5	0.20
Agappe - OCPC	3	11.493	6.7	0.55
Optical Emission Spectroscopy	2	11.800	15.6	1.62

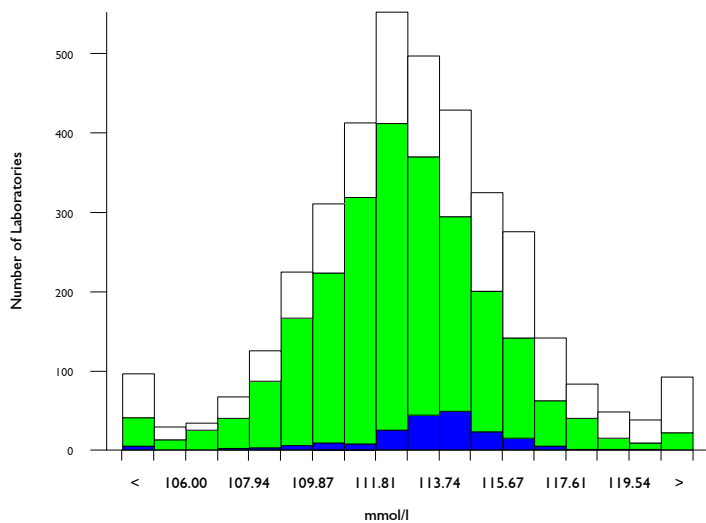


Chloride, mmol/l

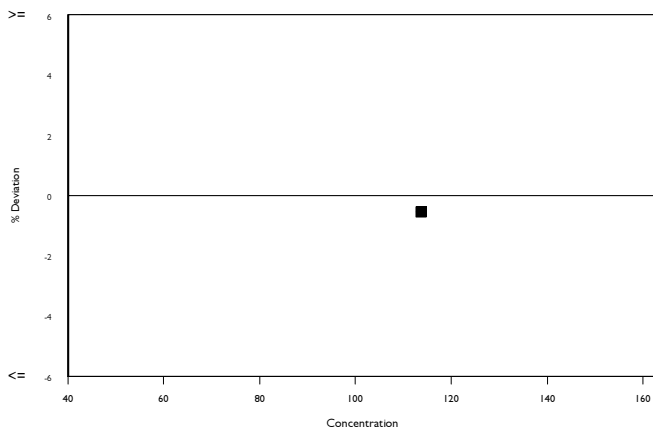
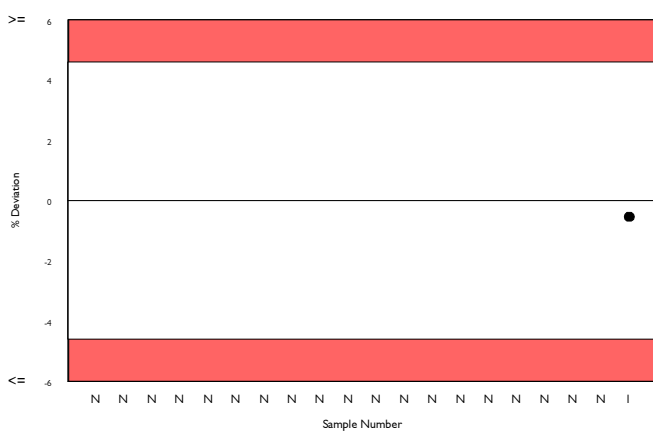
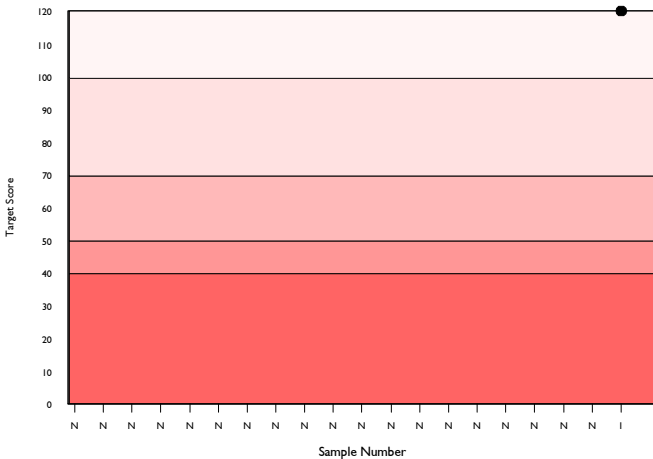
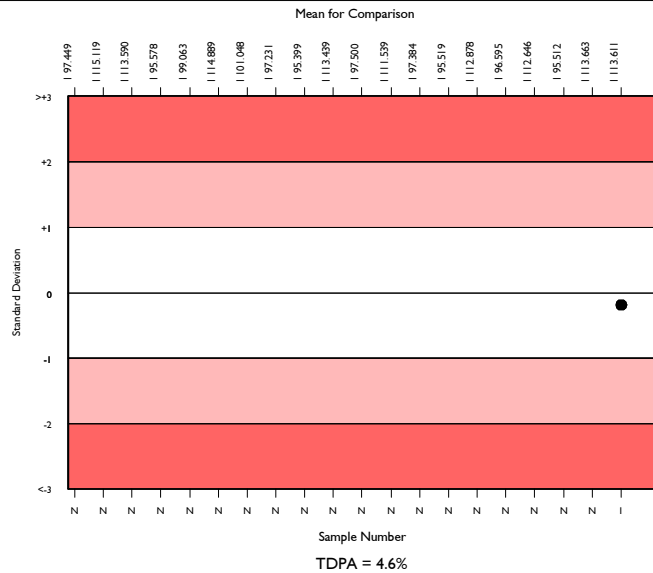
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	3496	112.778	2.3	0.05	3.15	281
ISE, indirect	2293	112.472	1.9	0.06	3.15	187
Abbott Architect c systems	178	113.611	1.4	0.15	3.18	19

▲ Your Result	113.000	SDI	-0.19
		RMSDI	Too Few
■ Mean for Comparison	113.611	TS	120
		RMTS	Too Few
		%DEV	-0.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.60%



Method	N	Mean	CV%	U _m
ISE, indirect	2293	112.472	1.9	0.06
ISE, direct	896	113.540	2.8	0.13
Ortho Vitros MicroSlide Systems	141	115.213	2.0	0.24
Colorimetric	99	110.865	3.4	0.47
Other Dry Chemistry	32	112.578	2.7	0.68
Agappe - THIOCYANATE	15	114.489	2.4	0.90
Optical Fluorescence	5	124.800	6.2	4.33

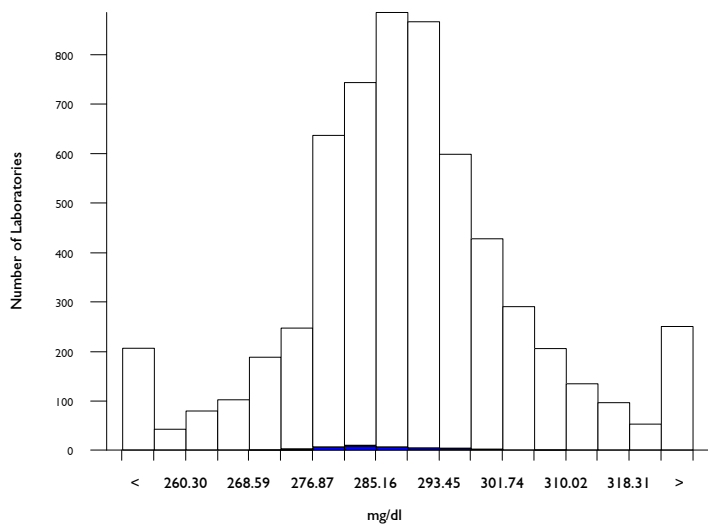


Cholesterol, mg/dl

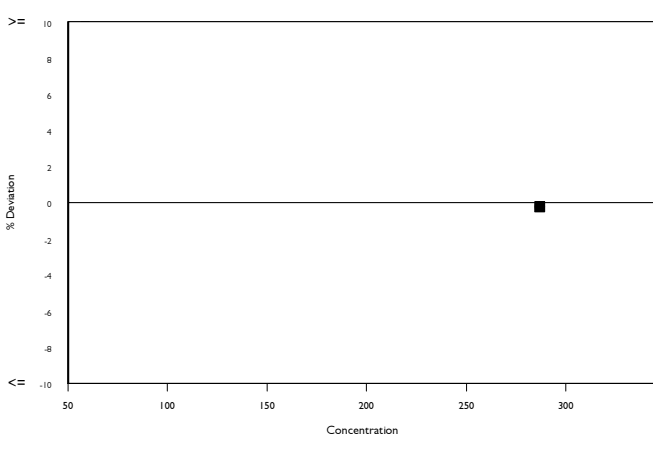
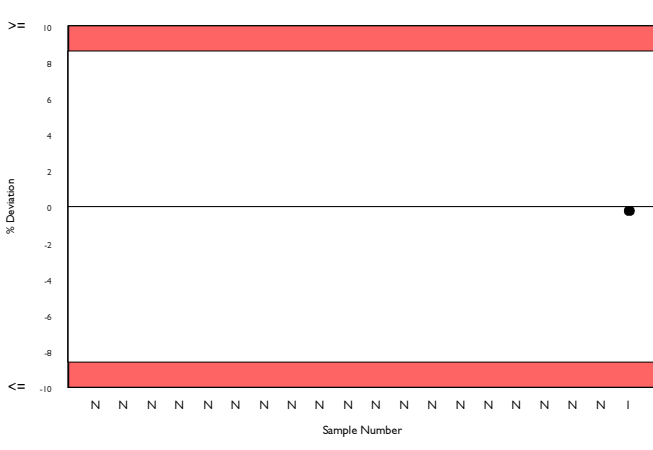
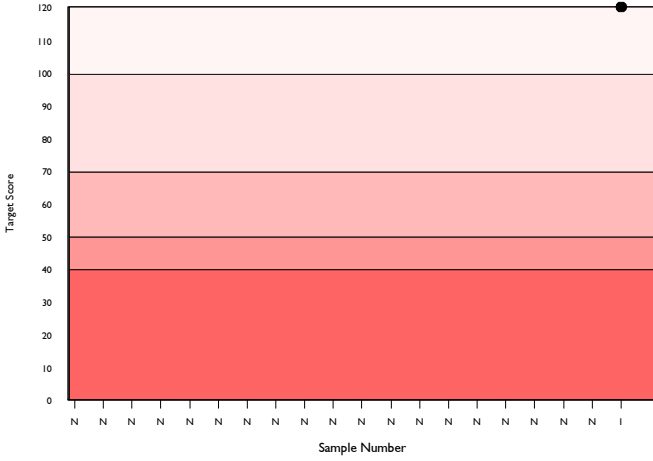
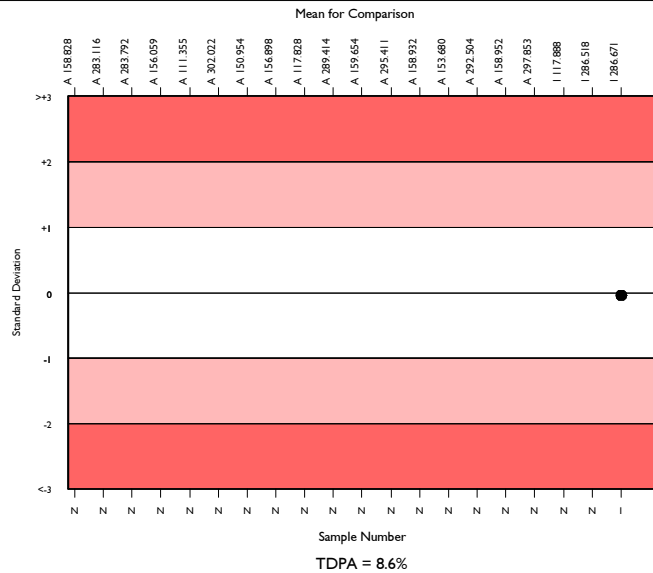
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5497	289.310	3.8	0.18	15.12	554
Abbott Architect Cholesterol 2	39	285.500	2.5	1.40	14.93	1
Abbott Architect c systems	35	286.671	2.2	1.32	14.98	2

▲ Your Result	286.000	SDI	-0.04
		RMSDI	Too Few
■ Mean for Comparison	286.671	TS	120
		RMTS	Too Few
		%DEV	-0.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.60%



Method	N	Mean	CV%	U _m
Cholesterol Oxidase - Abell Kendall	3963	290.243	3.7	0.21
Cholesterol Oxidase - IDMS	748	292.655	3.4	0.46
Siemens Dimension	236	278.578	2.9	0.65
Ortho Vitros MicroSlide Systems	232	278.881	2.9	0.67
Cholesterol Dehydrogenase	116	290.975	4.4	1.49
Agappe - CHOD-PAP	72	290.718	2.5	1.08
Other Dry Chemistry	42	271.158	5.4	2.83
Abbott Architect Cholesterol 2	39	285.500	2.5	1.40
Abbott Alinity Cholesterol 2	32	286.557	1.7	1.09
Dimension - non Siemens reagents	6	283.487	6.3	9.10
Vitros DT60/DT60 II/DTSC II	2	278.462	0.8	1.92

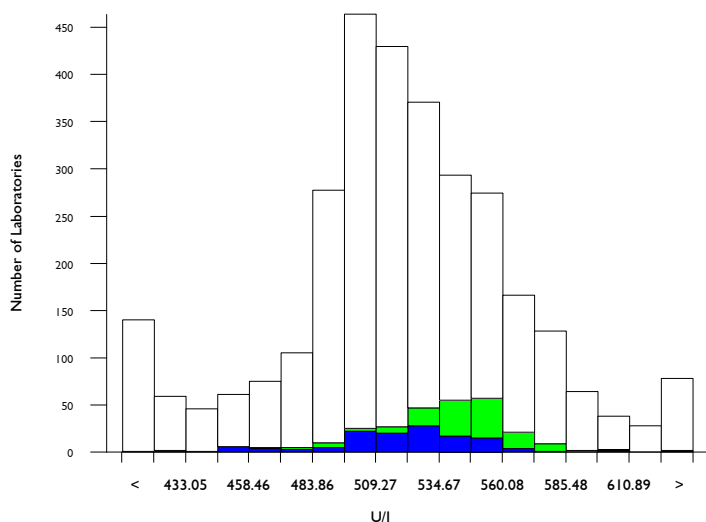


CK, Total, U/I @ 37°C

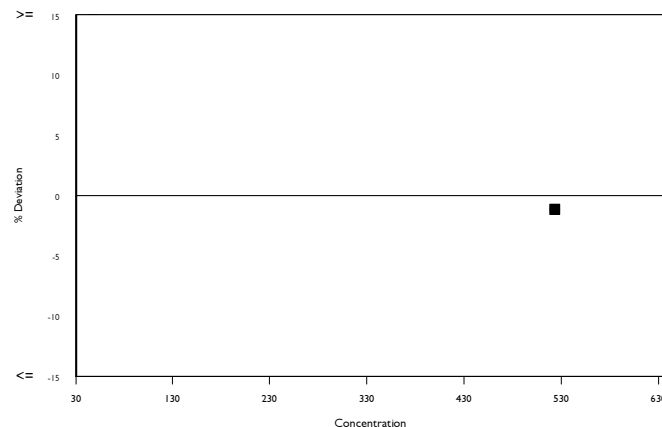
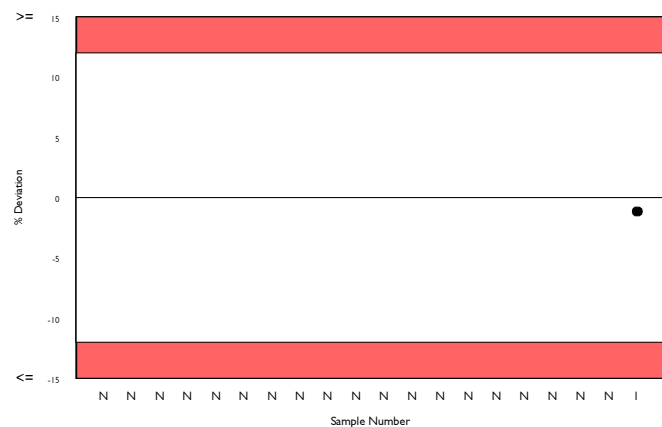
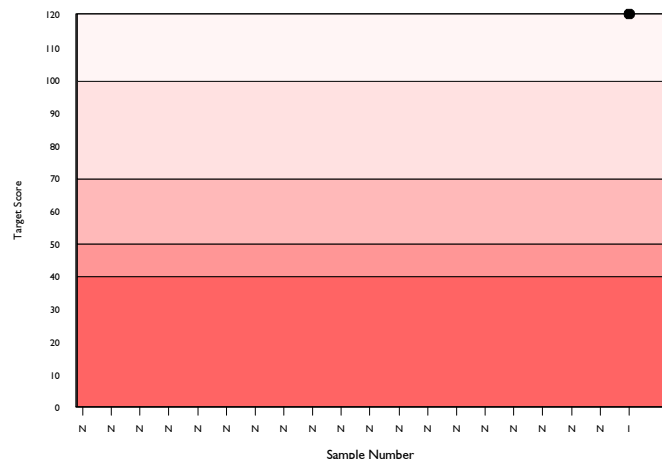
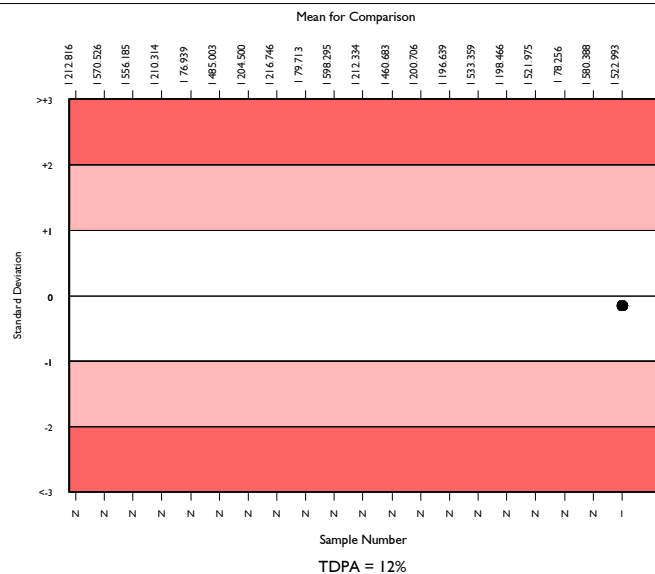
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2786	521.977	6.5	0.80	38.08	309
Abbott CK-NAC (IFCC)	254	536.078	4.2	1.76	39.11	24
Abbott Architect c systems	119	522.993	4.5	2.69	38.15	13

▲ Your Result	517.000	SDI	-0.16
		RMSDI	Too Few
■ Mean for Comparison	522.993	TS	120
		RMTS	Too Few
		%DEV	-1.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.00%



Method	N	Mean	CV%	U _m
CK-NAC (IFCC)	1604	514.654	4.9	0.79
Beckman CK-NAC (IFCC)	384	556.172	4.4	1.56
Abbott CK-NAC (IFCC)	254	536.078	4.2	1.76
Ortho Vitros MicroSlide Systems	144	429.800	7.4	3.31
CK-NAC substrate start (DGKC)	138	510.291	6.2	3.38
CK-NAC serum start (DGKC)	81	525.826	8.4	6.11
Creatine phosphate substrate start	71	511.945	4.8	3.61
Monothioglycerol	45	555.884	4.1	4.24
Agappe - IFCC/KINETIC	33	524.533	4.9	5.64
Other Dry Chemistry	22	696.273	3.8	7.01
Beckman CK-NAC (Extinction Coeff)	11	551.157	5.0	10.41
Dithioerythritol (DTE), IFCC correlated	7	510.843	6.0	14.48

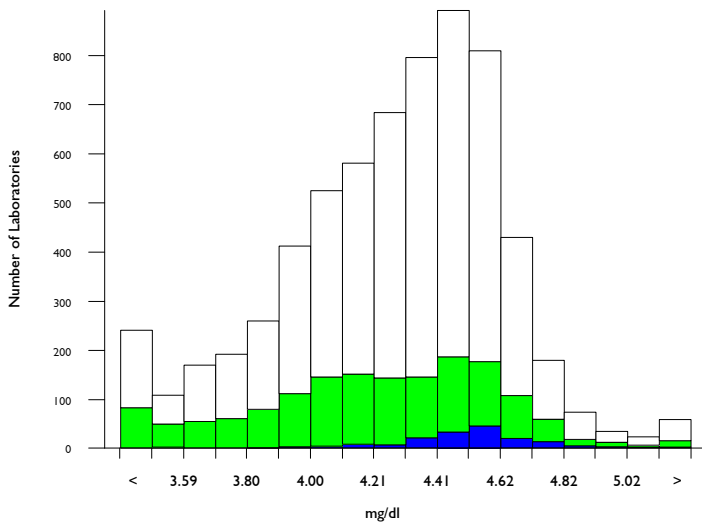


Creatinine, mg/dl

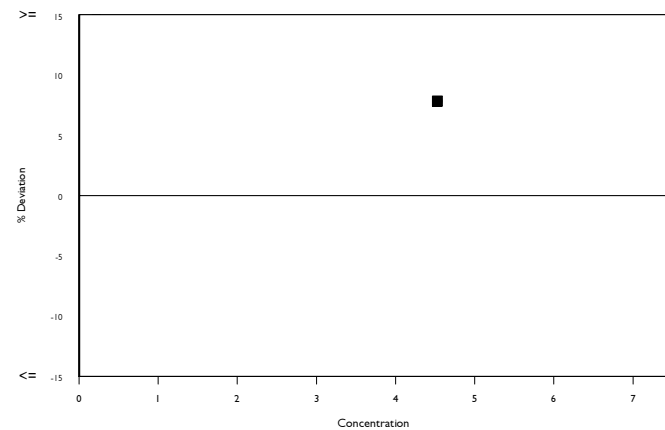
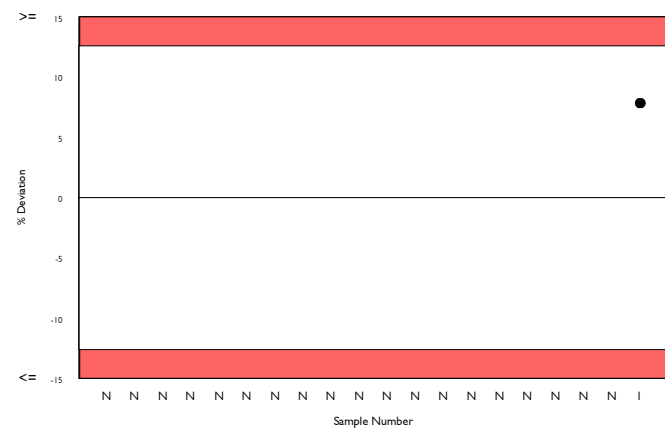
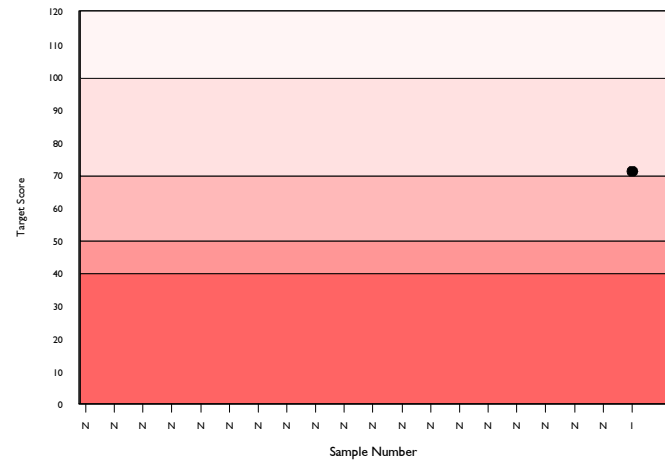
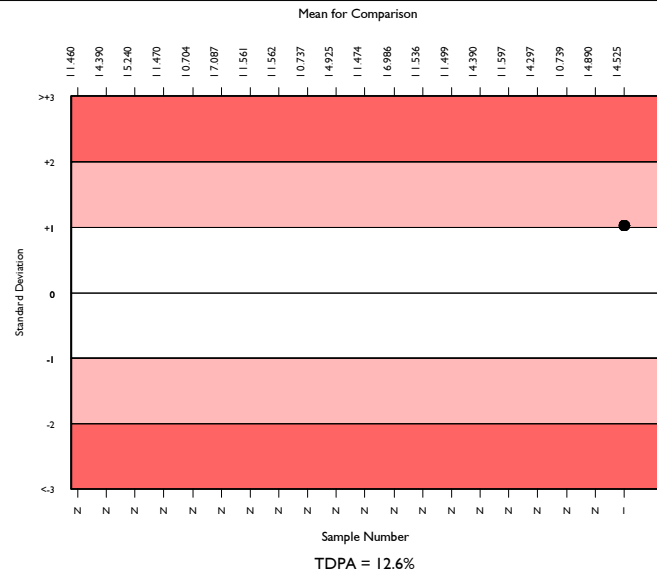
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5946	4.314	6.3	0.00	0.33	521
Alkaline picrate no deproteinisation	1490	4.259	7.7	0.01	0.33	110
Abbott Architect c systems	152	4.525	3.6	0.02	0.35	18

▲ Your Result	4.880	SDI	1.02
		RMSDI	Too Few
■ Mean for Comparison	4.525	TS	71
		RMTS	Too Few
		%DEV	7.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%



Method	N	Mean	CV%	U _m
Alkaline picrate no deproteinisation	1490	4.259	7.7	0.01
Jaffe rate blanked	1410	4.114	6.6	0.01
Jaffe rate blanked comp. (-26umol/l)	714	4.388	3.8	0.01
Enzymatic UV method (340nm)	327	4.488	4.1	0.01
Jaffe rate comp. (-18umol/l)	319	4.304	4.4	0.01
Roche Creatinine Plus	313	4.518	3.0	0.01
Other enzymatic methods	263	4.540	3.1	0.01
IDMS traceable	276	4.391	4.1	0.01
Creatinine PAP method	265	4.447	5.5	0.02
Vitros, IDMS traceable	152	4.507	3.2	0.01
Alkaline picrate with deproteinisation	133	4.222	6.0	0.03
Other Dry Chemistry	71	4.242	5.5	0.03
Agappe - JAFFE'S KINETIC	50	3.984	4.7	0.03
Jaffe rate blanked comp. (-33umol/l)	40	4.022	6.4	0.05
Vitros DT60/DT60 II/DTSC II	38	4.511	4.8	0.04
Abbott Architect Creatinine 2	26	4.457	3.3	0.04
Agappe - ENZYMATIC	18	4.090	3.8	0.05
Abbott Alinity Creatinine 2	21	4.467	2.8	0.03

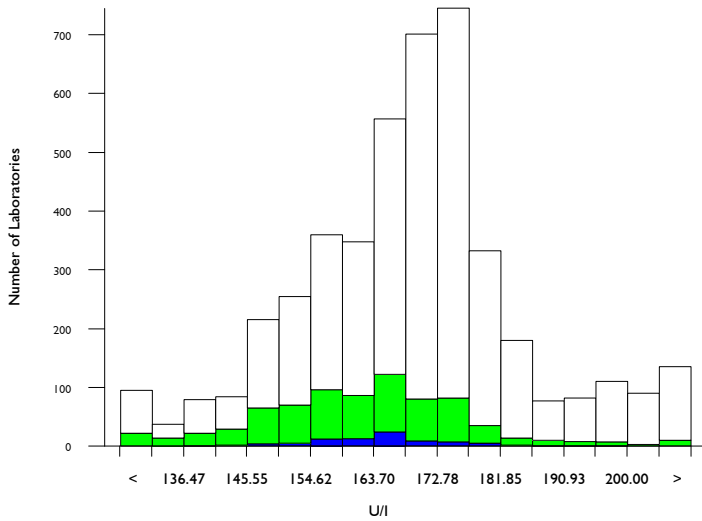


GGT, U/I @ 37°C

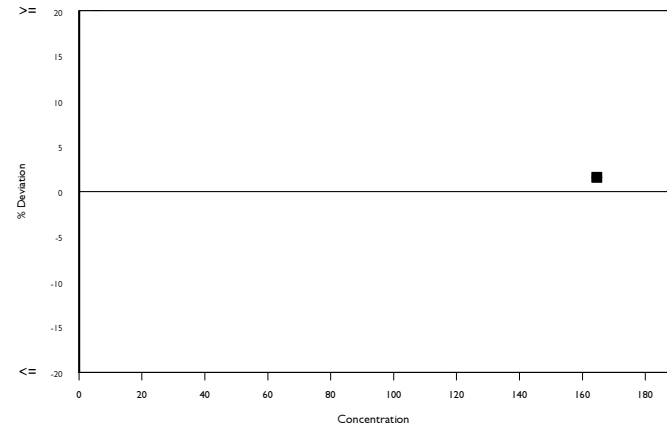
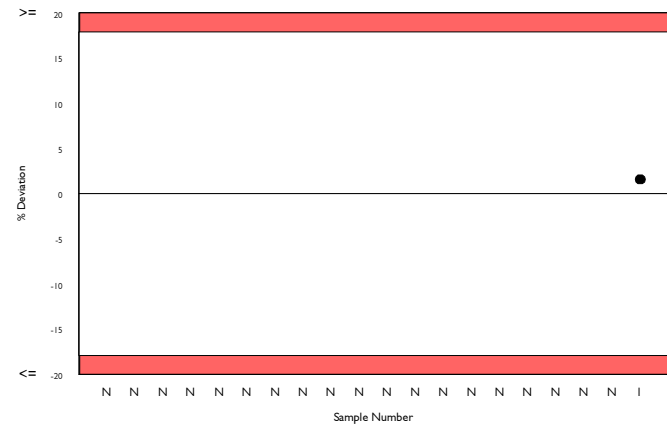
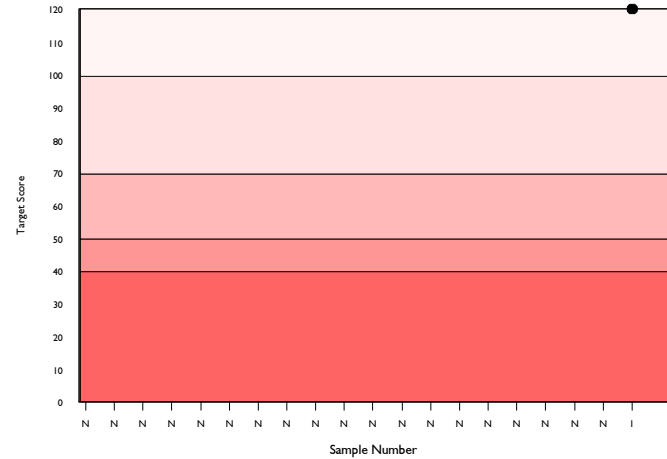
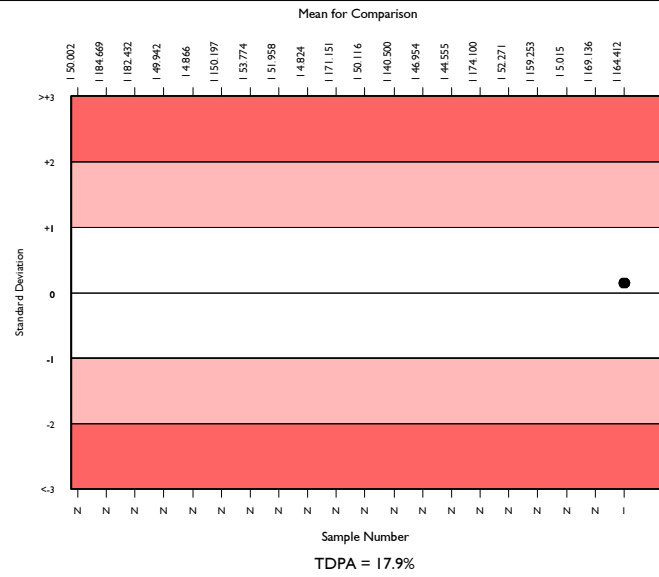
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	4080	168.243	7.2	0.24	18.31	397
Gamma glut.-3-carb.-4-nitro.	716	162.074	7.0	0.53	17.64	59
Abbott Architect c systems	79	164.412	4.7	1.09	17.89	8

▲ Your Result	167.000	SDI	0.14
		RMSDI	Too Few
■ Mean for Comparison	164.412	TS	120
		RMTS	Too Few
		%DEV	1.6
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.90%



Method	N	Mean	CV%	U _m
Gamma glut'3-carb'4-nitro(IFCC)	2747	168.444	5.8	0.23
Gamma glut.-3-carb.-4-nitro.	716	162.074	7.0	0.53
Siemens Dimension	157	199.303	5.1	1.02
Ortho Vitros MicroSlide Systems	155	198.766	3.2	0.63
Gamma glutamyl-4-nitroanilide	83	161.727	9.3	2.07
DCL, gamma glut.-3-carb.-4-nitro.	73	164.581	5.9	1.42
Beckman Szasz (Extinction Coeff.)	47	169.411	6.5	2.00
Agappe - SZASZ KINETIC	47	175.581	3.7	1.18
Abbott Alinity GGT 2	40	169.518	3.2	1.06
Other Dry Chemistry	33	141.788	5.9	1.83
Abbott Architect GGT 2	10	167.660	1.6	1.08
Vitros, DT60/DT60 II/DTSC II	3	201.667	1.6	2.32
Randox Colorimetric	2	155.500	5.0	6.87

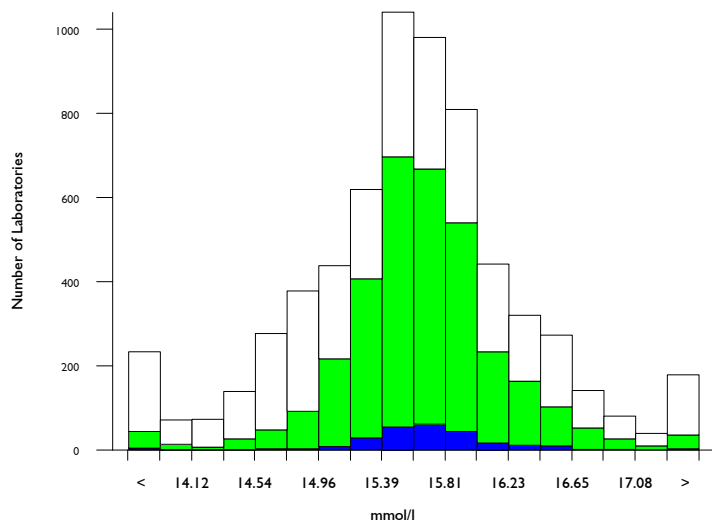
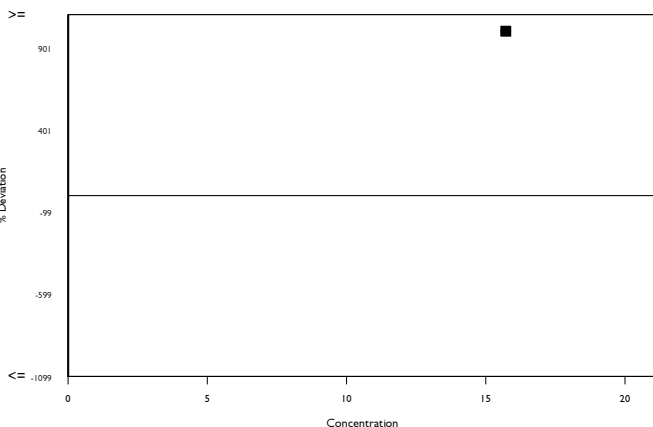
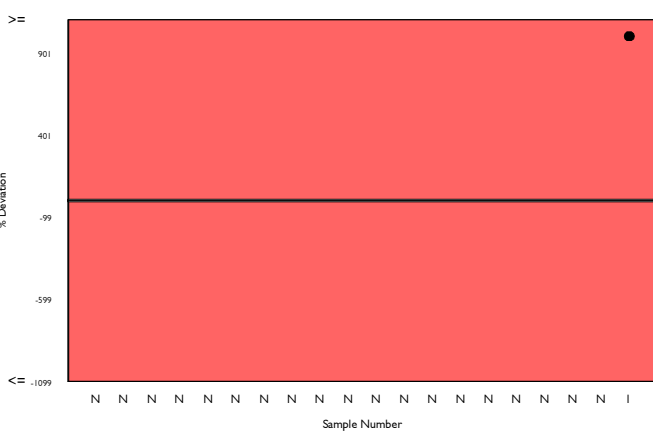
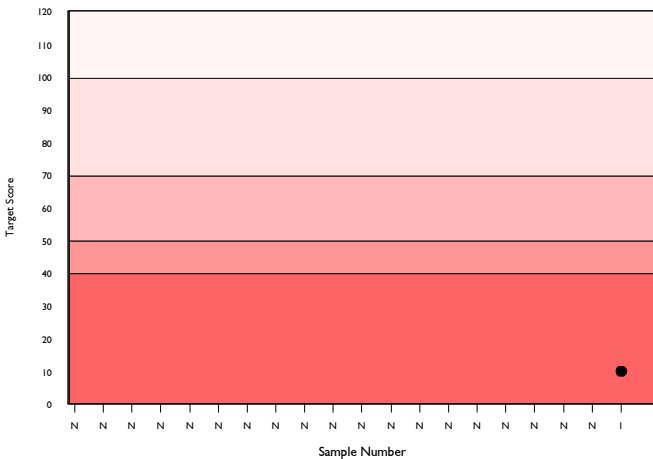
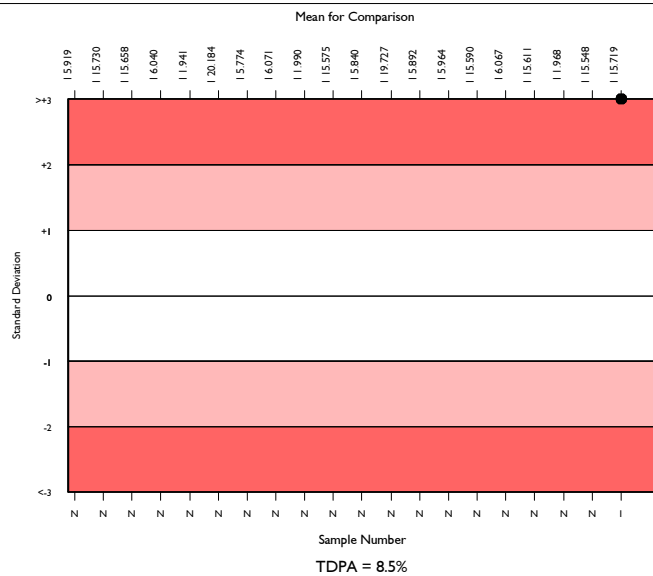


Glucose, mmol/l @ 37°C

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5986	15.601	3.6	0.01	0.81	561
Hexokinase	3115	15.659	2.4	0.01	0.81	280
Abbott Architect c systems	238	15.719	2.2	0.03	0.81	22

▲ Your Result	283.000	SDI	329.04
		RMSDI	Too Few
■ Mean for Comparison	15.719	TS	10
		RMTS	Too Few
		%DEV	999.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



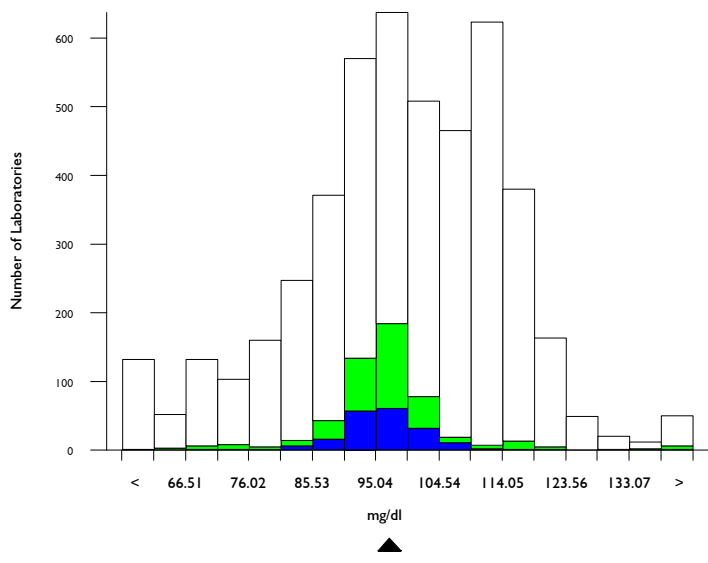
Method	N	Mean	CV%	U _m
Hexokinase	3115	15.659	2.4	0.01
Glucose oxidase	2451	15.576	5.0	0.02
Ortho Vitros MicroSlide Systems	218	14.770	2.3	0.03
Agappe - GOD-PAP	70	15.837	3.2	0.07
Glucose dehydrogenase	52	15.654	5.2	0.14
Other Dry Chemistry	44	14.994	3.0	0.08
GOD/02-Beckman method	26	15.970	4.0	0.16
Oxygen electrode	9	15.600	1.2	0.08
Pyranose Oxidase / Peroxidase	4	16.246	5.3	0.54
Vitros, DT60/DT60 II	3	15.772	13.3	1.52

HDL-Cholesterol, mg/dl

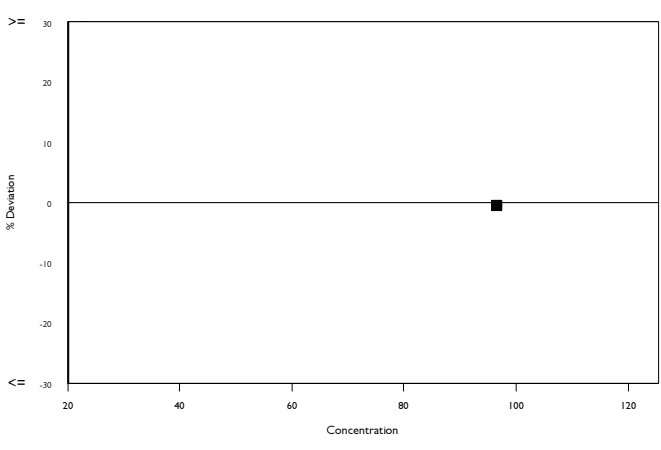
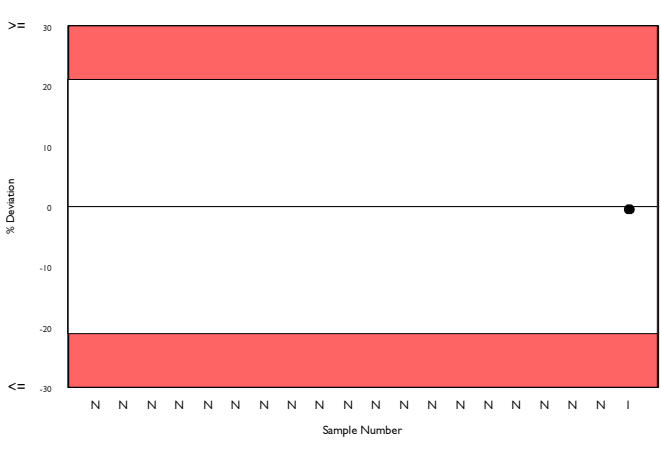
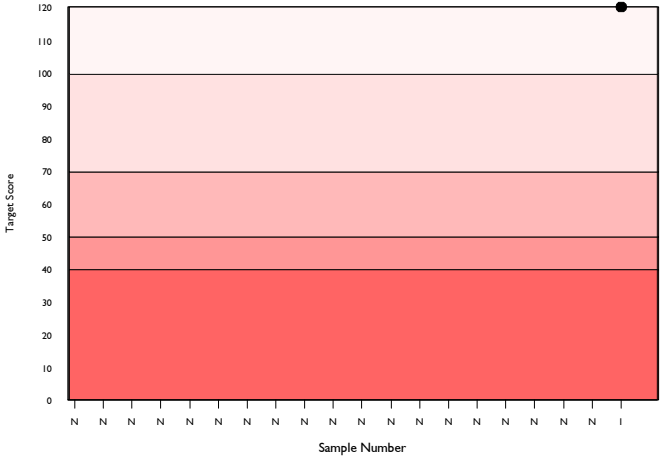
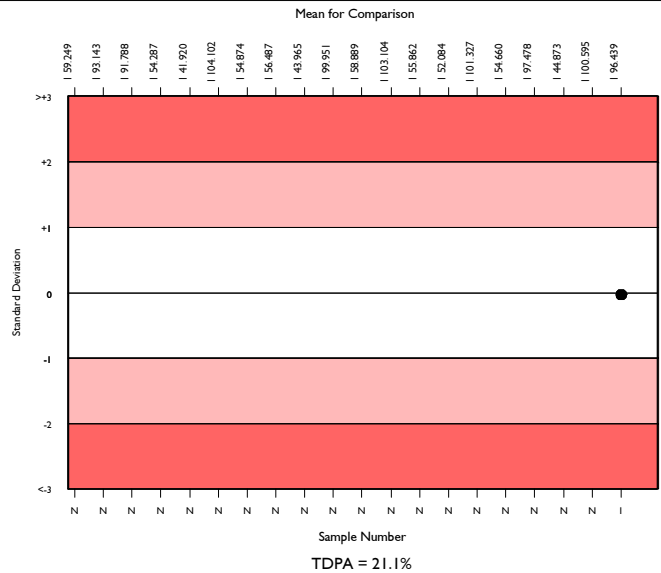
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	4371	99.796	12.7	0.24	12.80	310
HDL Ultra/Accel Selective Detergent	476	96.153	5.2	0.28	12.33	53
Abbott Architect c systems	175	96.439	4.6	0.42	12.37	16

▲ Your Result	96.000	SDI	-0.04
		RMSDI	Too Few
■ Mean for Comparison	96.439	TS	120
		RMTS	Too Few
		%DEV	-0.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.10%



Method	N	Mean	CV%	U _m
Direct HDL, Roche 4th gen.	1151	112.030	4.5	0.18
Direct HDL, Clearance method	882	89.365	12.9	0.48
Direct HDL, Immunoseparation	691	94.529	8.8	0.39
HDL Ultra/Accel Selective Detergent	476	96.153	5.2	0.28
Direct HDL, PEGME	446	95.981	20.0	1.13
Direct HDL, PPD	311	99.935	9.8	0.69
Vitros dHDL, PTA/MgCl2 direct precip.	172	94.660	6.8	0.61
Agappe - SELECTIVE INHIBITION	56	109.455	6.2	1.12
Other Dry Chemistry	45	101.435	10.1	1.92
Vitros, Magnetic HDL	22	96.391	6.0	1.53
Vitros 5.1 FS Microtip assay	13	92.050	7.0	2.23

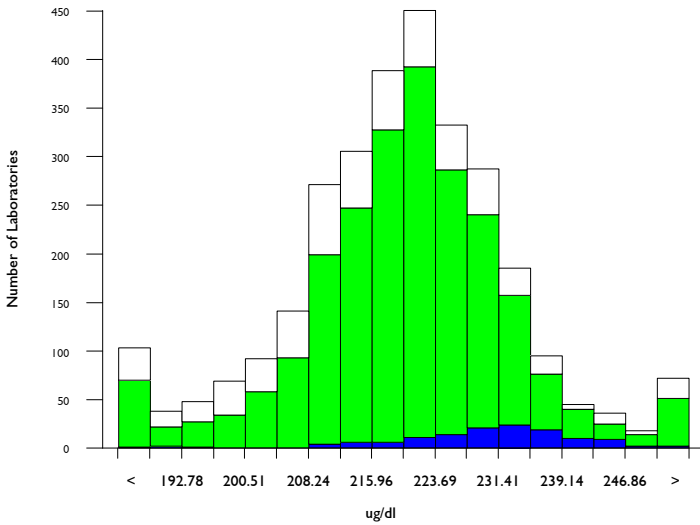


Iron, ug/dl

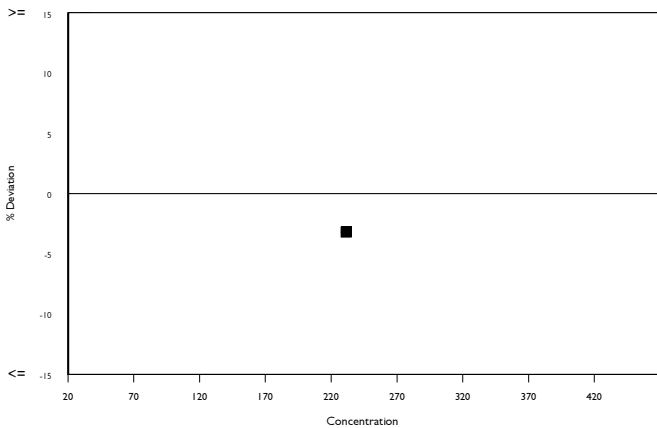
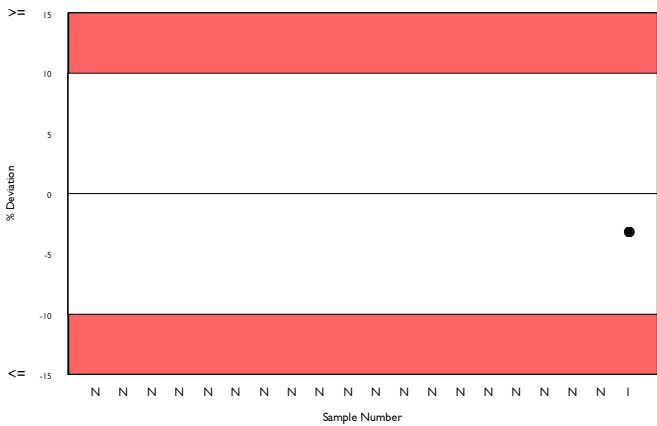
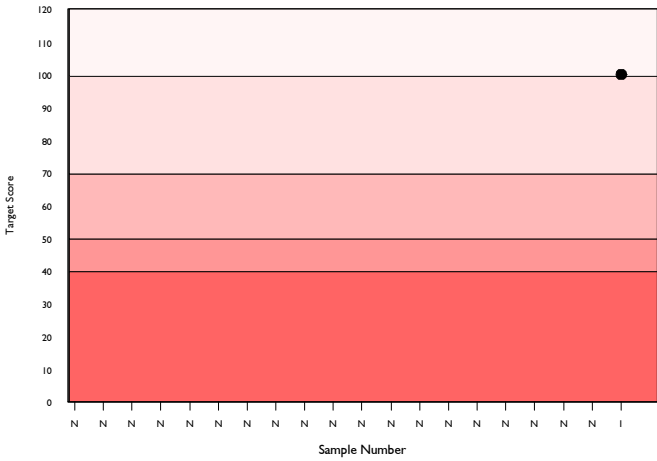
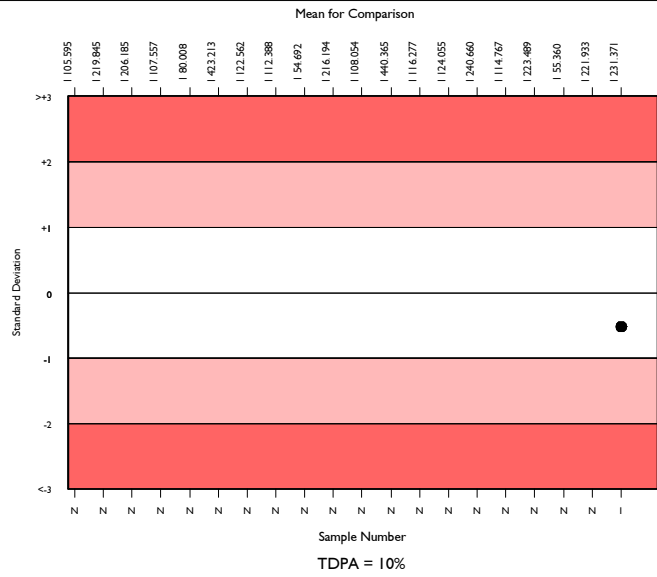
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2735	219.829	4.7	0.25	13.36	242
Colorimetric without ppt.	2169	220.884	4.2	0.25	13.43	190
Abbott Architect c systems	121	231.371	3.5	0.93	14.07	11

▲ Your Result	224.000	SDI	-0.52
		RMSDI	Too Few
■ Mean for Comparison	231.371	TS	100
		RMTS	Too Few
		%DEV	-3.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.00%



Method	N	Mean	CV%	U _m
Colorimetric without ppt.	2169	220.884	4.2	0.25
Colorimetric with ppt.	324	218.030	4.7	0.70
Ortho Vitros MicroSlide Systems	153	202.791	5.1	1.04
Other method with blank	22	224.056	2.7	1.64
Abbott Alinity Iron 2	15	234.413	2.3	1.74
Other method without blank	13	220.516	3.8	2.91
Agappe - CHROMAZUROL	10	232.538	7.9	7.26
Other Dry Chemistry	8	210.145	8.3	7.70
Abbott Architect Iron 2	7	234.884	2.5	2.81
Optical Emission Spectroscopy	5	215.858	6.6	7.92

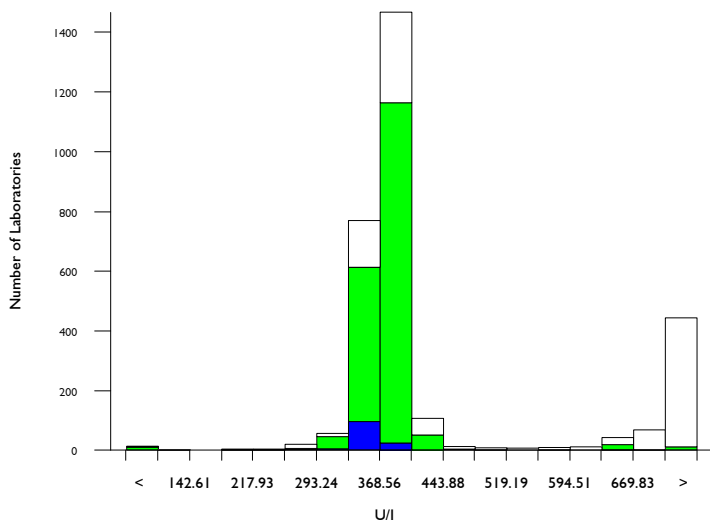
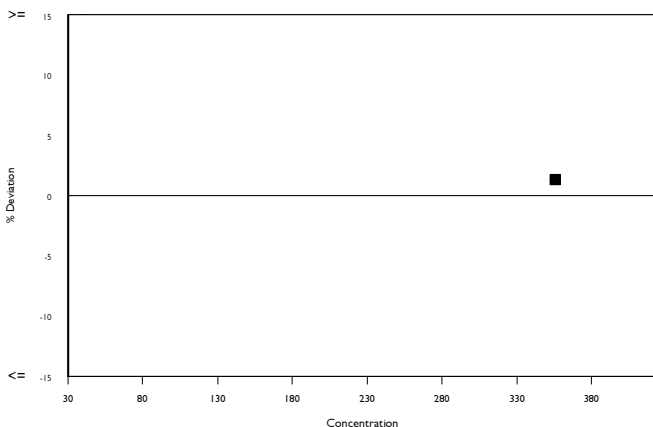
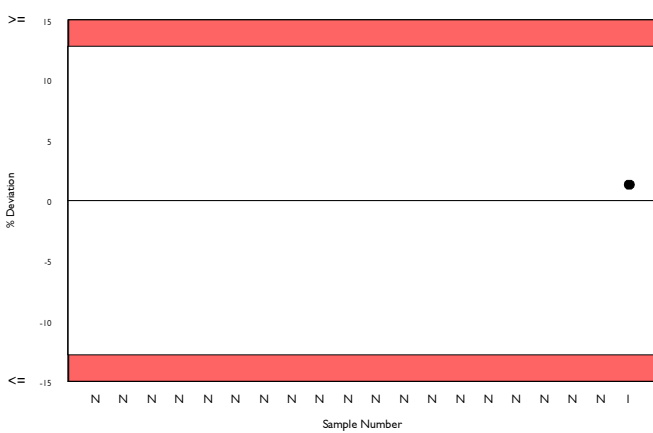
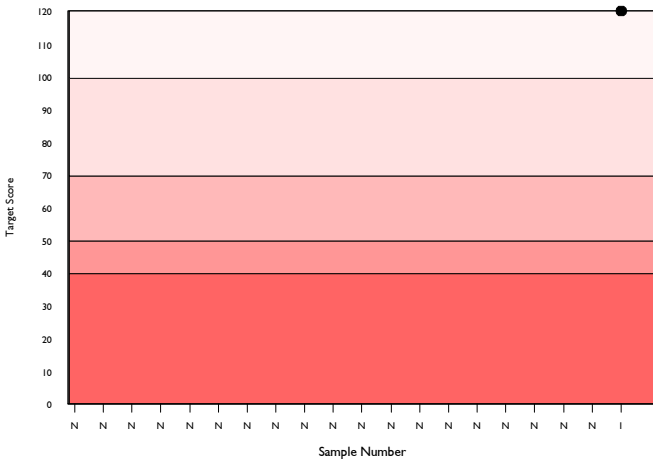
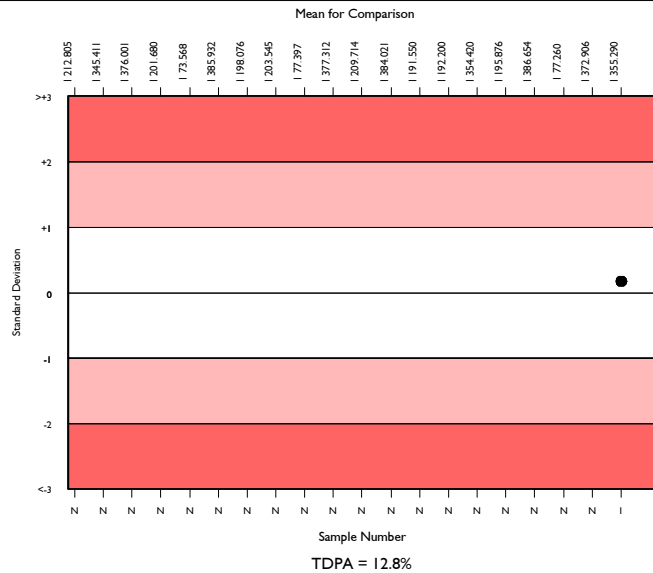


LD (LDH), U/I @ 37°C

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2706	406.223	24.7	2.41	31.61	334
L to P, IFCC	1765	373.782	3.8	0.43	29.09	168
Abbott Architect c systems	119	355.290	3.5	1.43	27.65	12

▲ Your Result	360.000	SDI	0.17
		RMSDI	Too Few
■ Mean for Comparison	355.290	TS	120
		RMTS	Too Few
		%DEV	1.3
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.80%



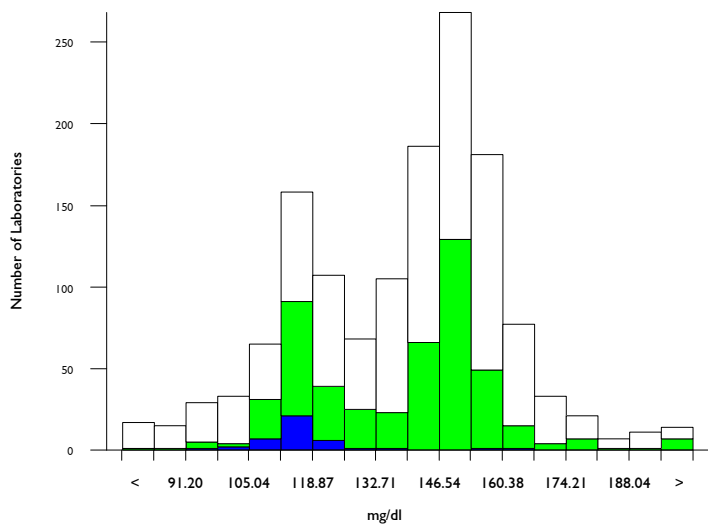
Method	N	Mean	CV%	U _m
L to P, IFCC	1765	373.782	3.8	0.43
P to L, German methods	261	741.407	6.5	3.72
Lactate to Pyruvate methods	192	370.389	10.0	3.35
Ortho Vitros IFCC Traceable	111	400.942	2.9	1.40
P to L, Scandinavian & Dutch	98	765.744	7.8	7.55
P to L, SFBC / SEQC	73	755.681	7.4	8.19
L to P Siemens/Dade, Non-IFCC	56	369.744	2.8	1.71
L to P Beckman (Extinction Coeff)	54	376.226	5.6	3.56
Agappe - SCE	33	789.222	2.3	3.88
Ortho Vitros MicroSlide Systems	34	401.340	3.0	2.62
Other Dry Chemistry	24	373.875	5.7	5.42
Abbott Alinity LD 2	15	361.467	2.1	2.42
Pyruvate 1.4 mM - Beckman LD-P	3	848.000	16.4	100.63
Abbott Architect LD 2	5	356.069	2.1	4.19

LDL-Cholesterol (Pilot), mg/dl

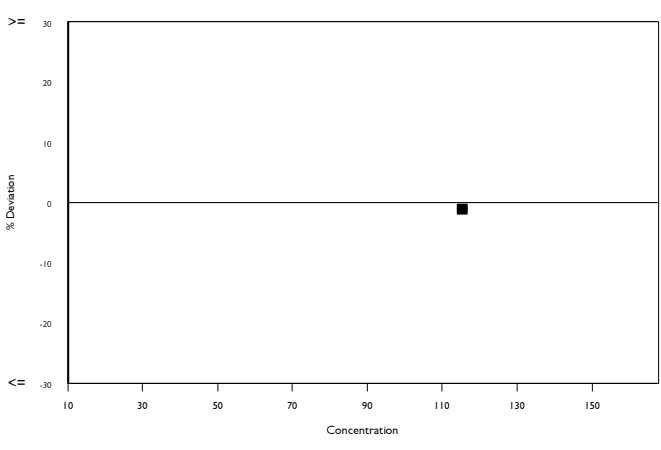
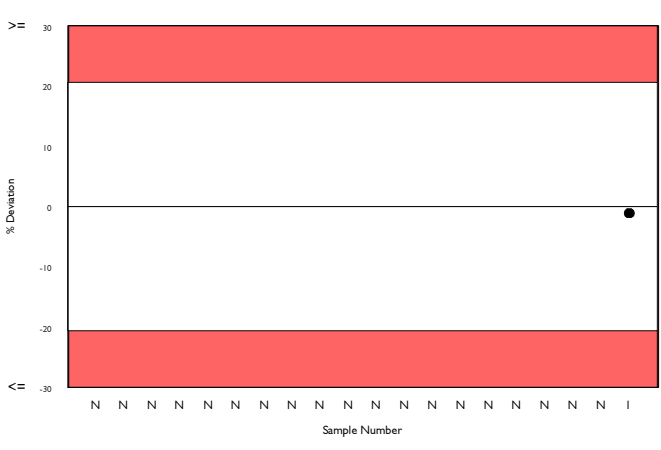
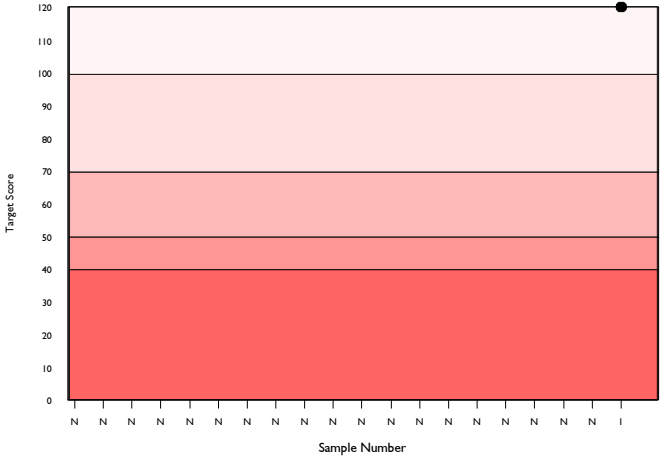
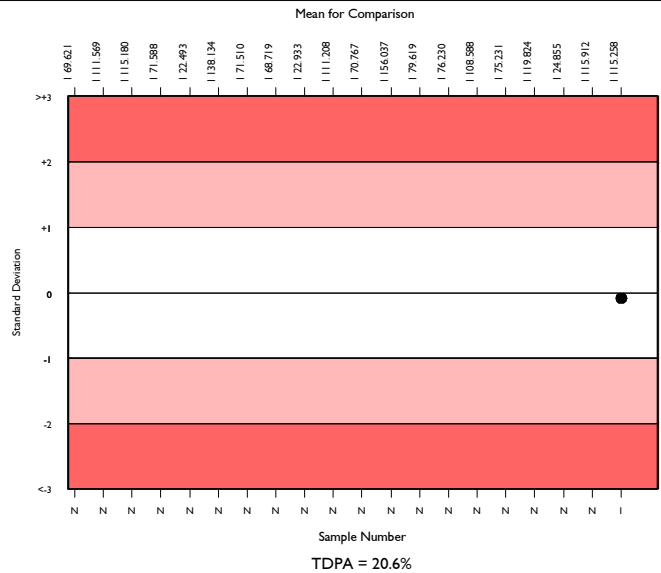
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1308	139.629	13.2	0.63	17.48	87
Selective detergent methods	475	136.737	12.6	0.99	17.12	24
Abbott Architect c systems	34	115.258	3.0	0.74	14.43	7

▲ Your Result	114.000	SDI	-0.09
		RMSDI	Too Few
■ Mean for Comparison	115.258	TS	120
		RMTS	Too Few
		%DEV	-1.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%



Method	N	Mean	CV%	U _m
Selective detergent methods	475	136.737	12.6	0.99
Other direct methods	470	138.730	12.6	1.01
Sel.detergent Beckman OSR6x83	164	154.640	6.8	1.02
Calculated	94	136.011	11.9	2.09
Ortho Vitros MicroSlide Systems	22	95.977	6.2	1.59
Sel.detergent Beckman OSR6x96	23	123.987	22.0	7.12
Agappe - SELECTIVE SOLUBILISATION	21	150.504	12.0	4.92
Other Precipitation methods	14	133.044	12.2	5.40
Polyvinyl Sulphate Precipitation	11	171.971	23.6	15.30
Heparin precipitation	8	127.299	18.6	10.45
Other Dry Chemistry	5	118.827	27.2	18.05
Zwitterionic Detergent	2	94.231	20.2	16.82

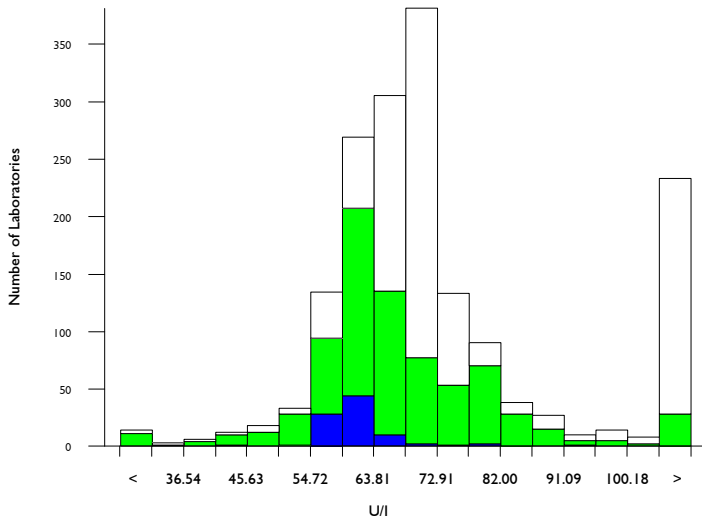
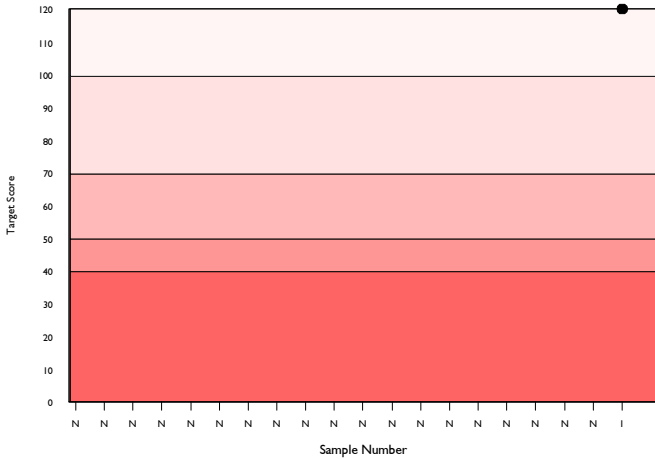
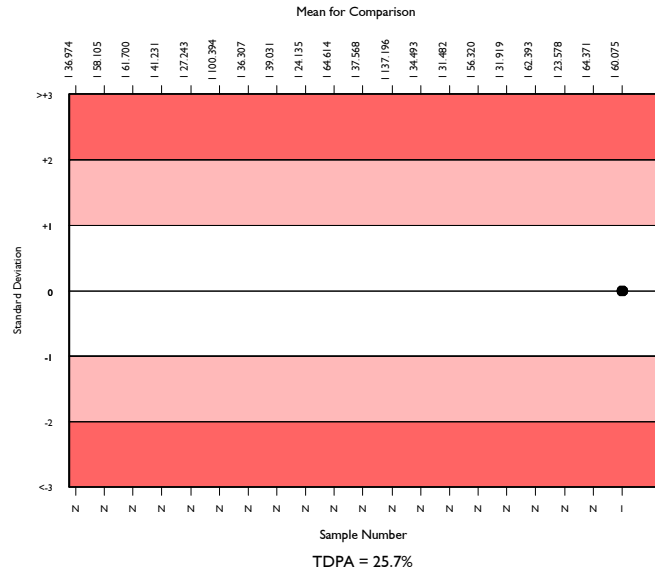


Lipase, U/I @ 37°C

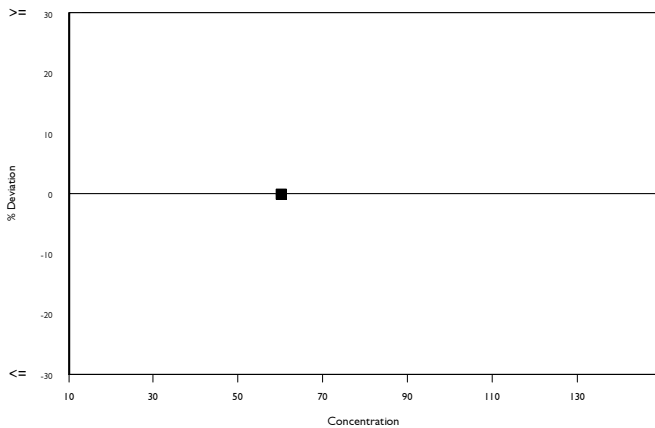
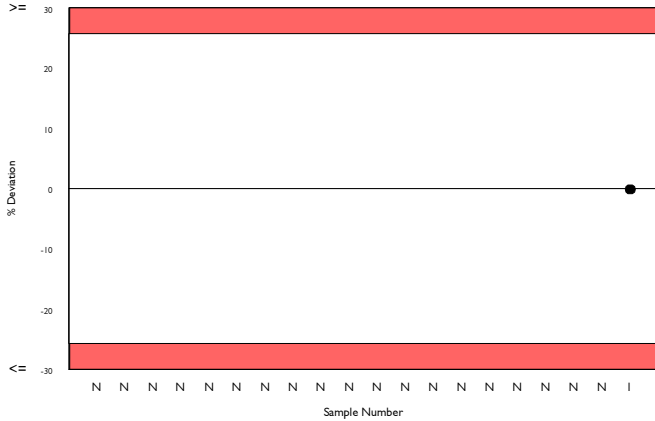
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1513	68.364	17.7	0.39	10.68	220
Other Colorimetric	718	66.231	13.3	0.41	10.35	68
Abbott Architect c systems	79	60.075	3.9	0.33	9.39	11

▲ Your Result	60.000	SDI	-0.01
		RMSDI	Too Few
■ Mean for Comparison	60.075	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.70%



Method	N	Mean	CV%	U _m
Other Colorimetric	718	66.231	13.3	0.41
Colorimetric Roche ACN(8)731/ID 0-100	323	69.388	4.7	0.23
Colorimetric Roche ACN(8)789/ID 0-052	208	69.944	4.7	0.28
Ortho Vitros MicroSlide Systems	111	756.205	5.8	5.24
Colorimetric Dade Dimension (LIPL Kit)	60	243.938	12.2	4.79
Roche Turbidimetric with colipase	43	68.066	6.7	0.86
Colorimetric Randox	28	83.346	20.3	3.99
Agappe - METHYL RESORUFIN	22	61.861	18.2	2.99
Other Turbidimetric with colipase	21	62.650	11.8	2.02
Colorimetric Dade Dimension (LIP Kit)	6	65.367	7.4	2.47
Other Dry Chemistry	7	102.286	32.8	15.84
Turbidimetric without colipase	7	62.000	16.3	4.77
Randox Turbidimetric with colipase	5	72.240	30.5	12.31
Colorimetric Sigma	2	65.650	22.3	12.94
Titrimetric	2	62.850	1.9	1.06

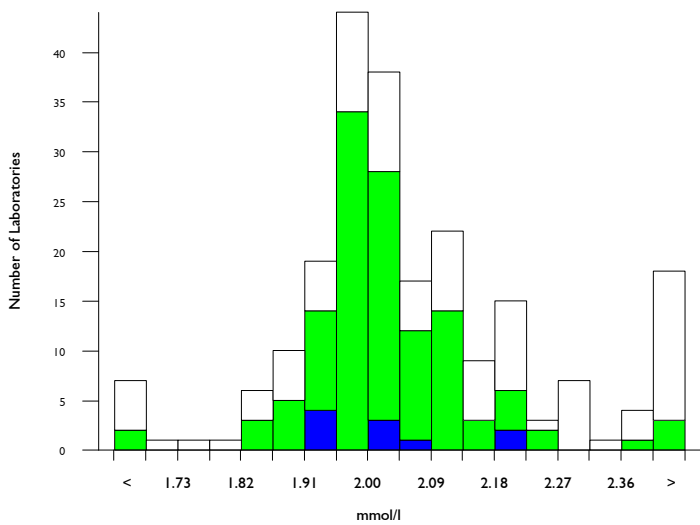


Lithium, mmol/l

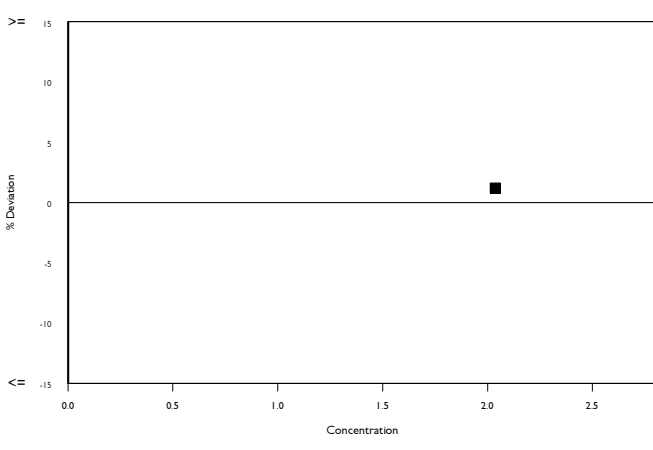
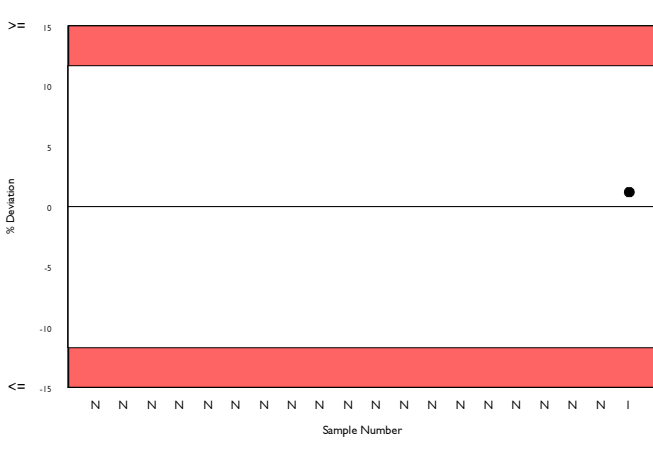
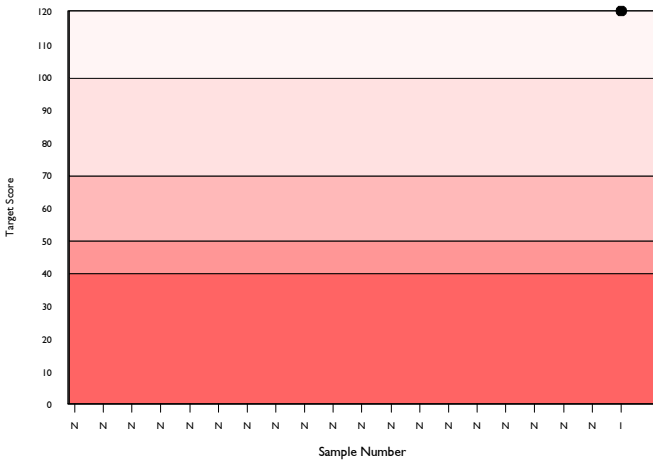
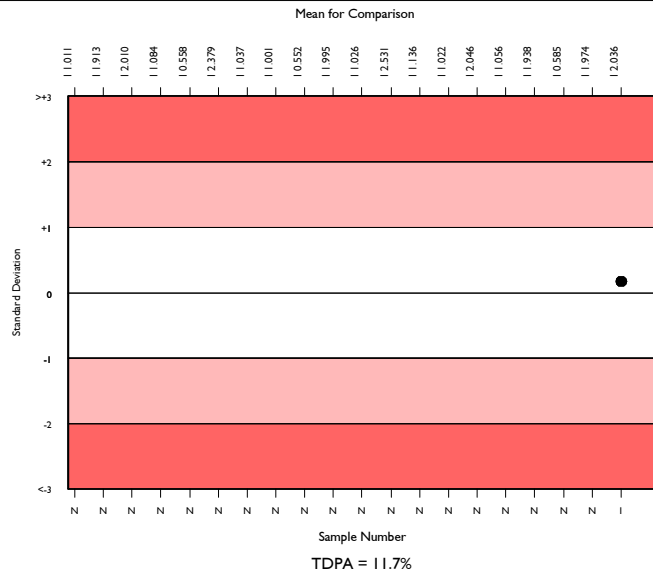
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	198	2.051	5.9	0.01	0.15	25
Spectrophotometric	111	2.022	3.1	0.01	0.14	16
Abbott Architect c systems	10	2.036	5.3	0.04	0.14	0

▲ Your Result	2.060	SDI RMSDI	0.17 Too Few
■ Mean for Comparison	2.036	TS RMTS	120 Too Few
		%DEV RM%DEV	1.2 Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.70%



Method	N	Mean	CV%	U _m
Spectrophotometric	111	2.022	3.1	0.01
Ion selective electrode	52	2.047	6.5	0.02
Ortho Vitros MicroSlide Systems	22	2.417	6.3	0.04
Flame photometry	8	2.026	8.2	0.07
Atomic absorption	5	2.205	8.9	0.11
Other Dry Chemistry	2	2.035	1.7	0.03

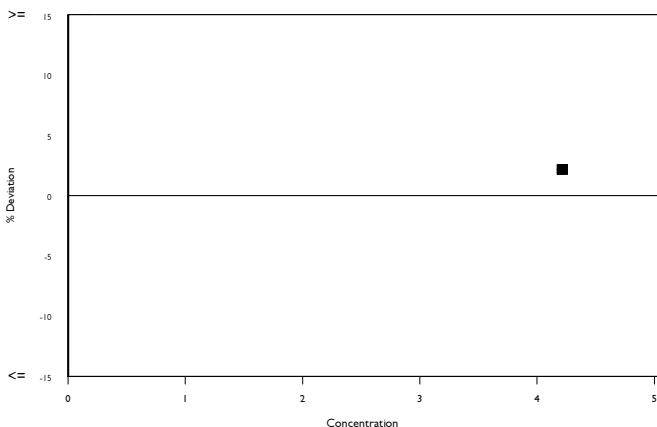
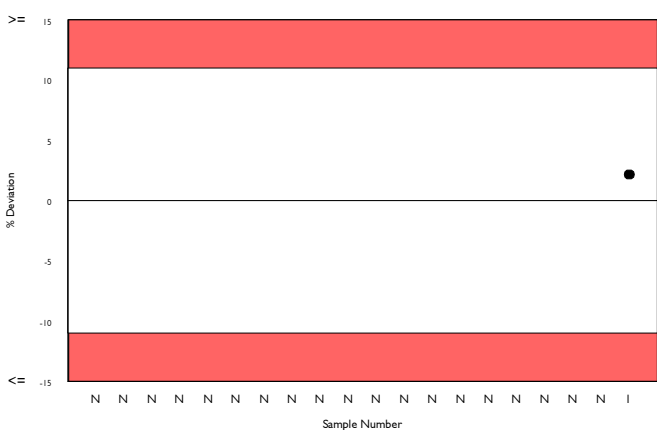
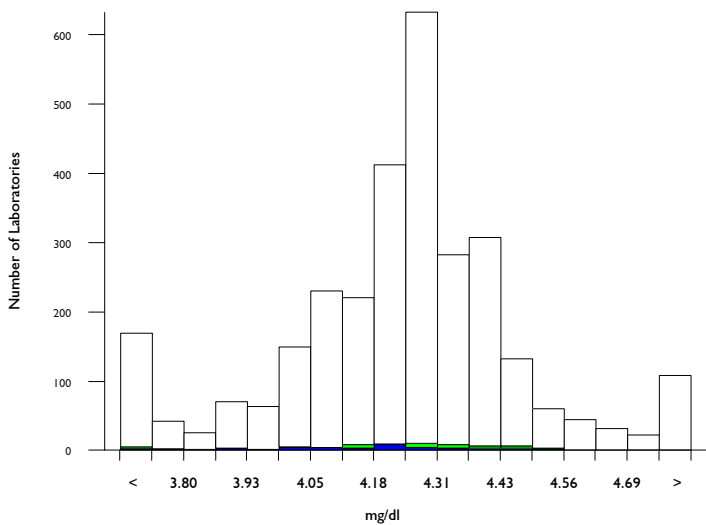
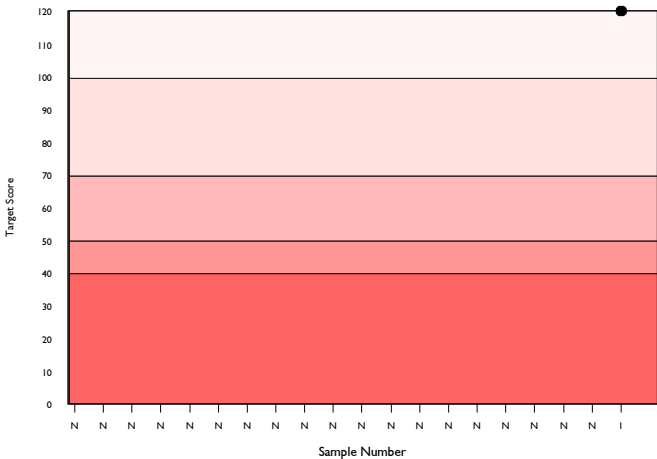
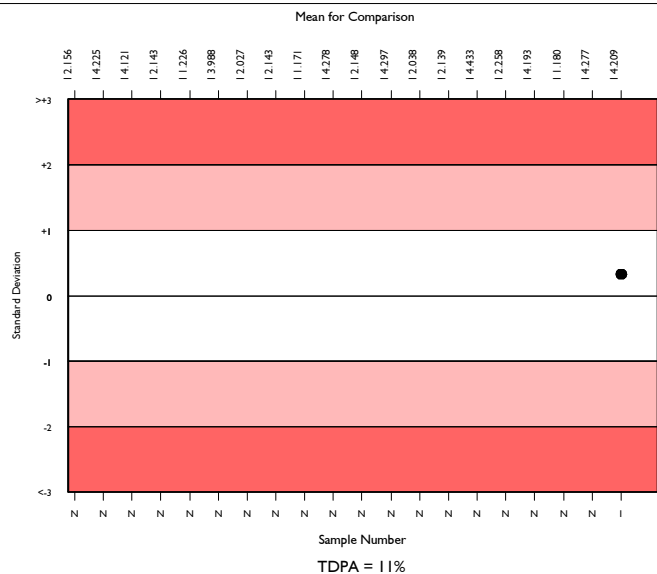


Magnesium, mg/dl

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2706	4.248	4.0	0.00	0.28	301
Arsenazo	64	4.241	4.0	0.03	0.28	7
Abbott Architect c systems	36	4.209	3.9	0.03	0.28	3

▲ Your Result	4.300	SDI	0.32
		RMSDI	Too Few
■ Mean for Comparison	4.209	TS	120
		RMTS	Too Few
		%DEV	2.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%



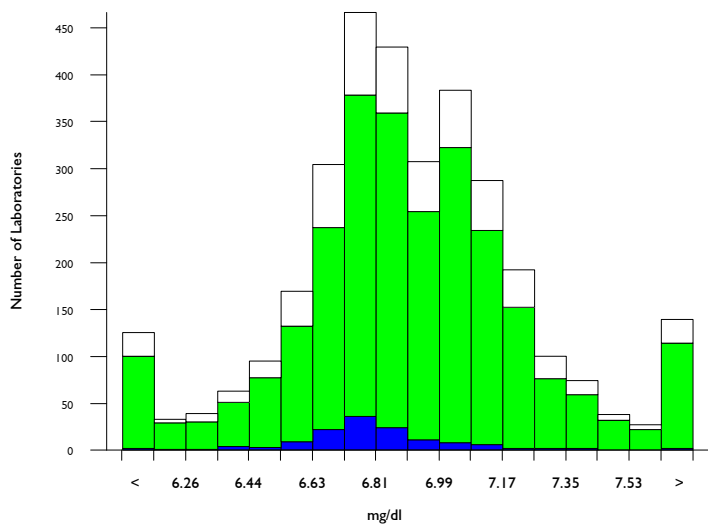
Method	N	Mean	CV%	U _m
Xylidyl Blue	1416	4.241	4.2	0.01
Enzymatic	329	4.272	3.2	0.01
Chlorphosphonazo III	271	4.263	2.5	0.01
Methylthymol blue	208	4.272	3.0	0.01
Ortho Vitros MicroSlide Systems	172	4.304	3.3	0.01
Calmagite	120	4.118	5.9	0.03
Arsenazo	64	4.241	4.0	0.03
Atomic absorption	55	4.255	3.1	0.02
Agappe - XYLIDYL BLUE	28	3.819	4.9	0.04
Other Dry Chemistry	21	4.737	8.4	0.11
Other magnesium dyes	12	4.207	6.2	0.09

Phosphate, Inorganic, mg/dl

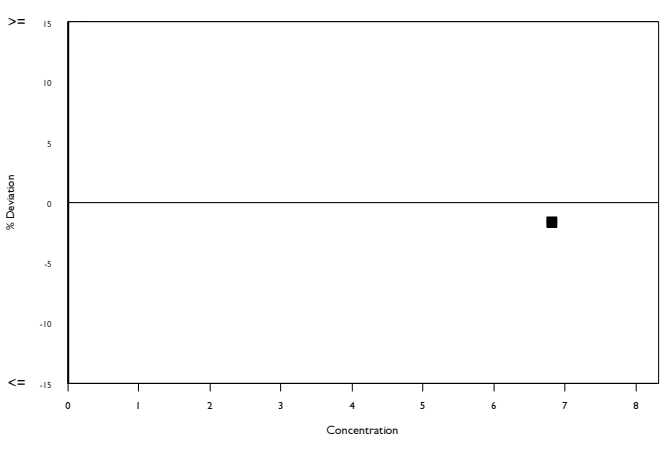
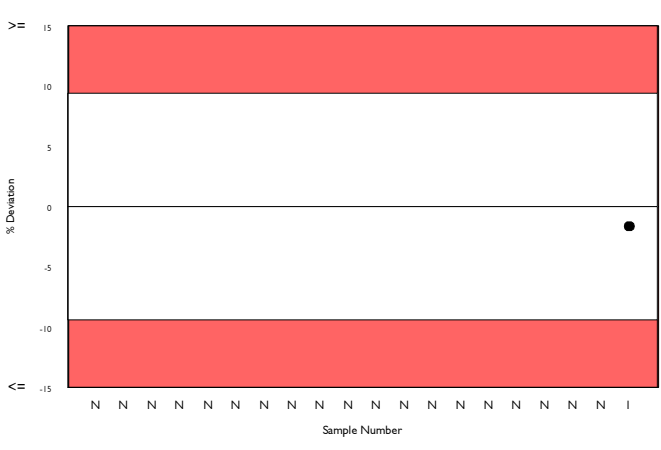
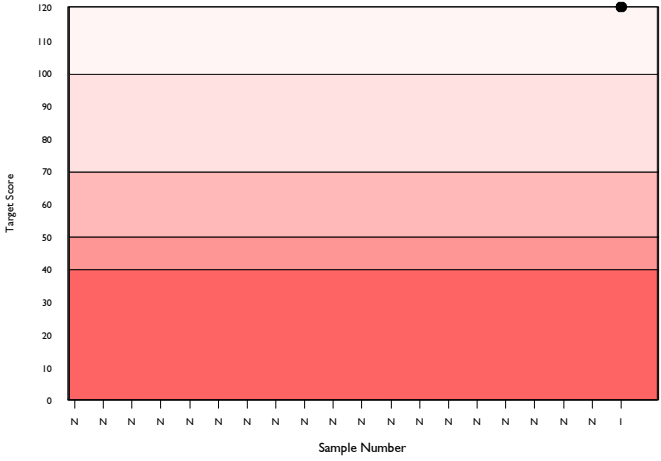
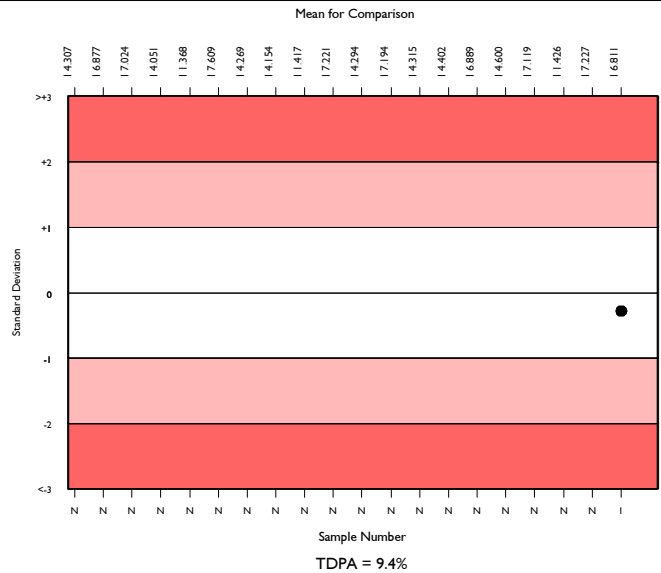
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2964	6.903	3.5	0.01	0.39	310
Phosphomolybdate UV	2407	6.903	3.5	0.01	0.39	255
Abbott Architect c systems	119	6.811	2.0	0.02	0.39	16

▲ Your Result	6.700	SDI RMSDI	-0.28 Too Few
■ Mean for Comparison	6.811	TS RMTS	120 Too Few
		%DEV RM%DEV	-1.6 Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.40%



Method	N	Mean	CV%	U _m
Phosphomolybdate UV	2407	6.903	3.5	0.01
Phosphomolybdate enzymatic	266	6.866	3.3	0.02
Ortho Vitros MicroSlide Systems	182	6.894	3.5	0.02
Beckman PHOSm kit (365nm)	42	6.830	3.3	0.04
Agappe - PHOSPHOMOLYBDATE	36	7.123	2.1	0.03
Other Dry Chemistry	13	7.303	2.2	0.06
Other methods, no protein ppt	5	7.088	1.8	0.07
Other methods, with protein ppt	2	6.728	2.1	0.13

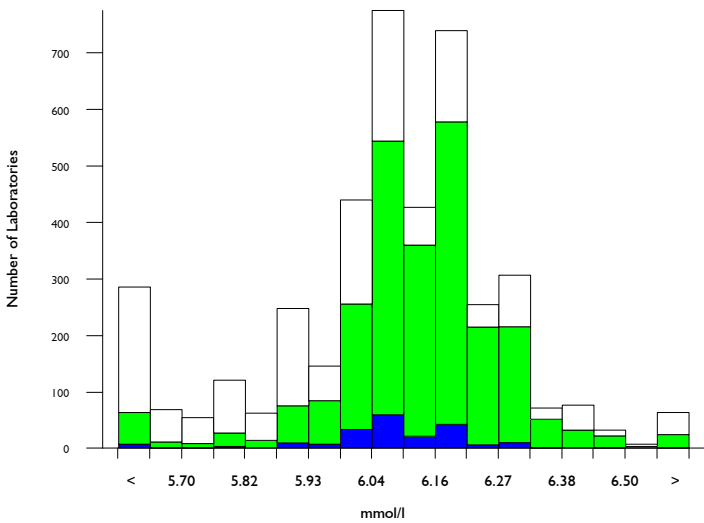


Potassium, mmol/l

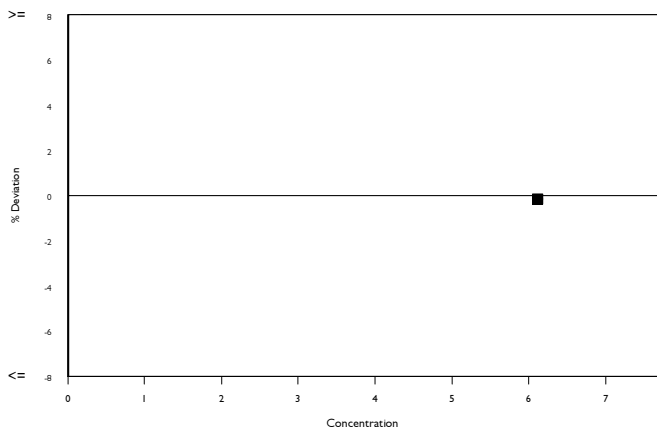
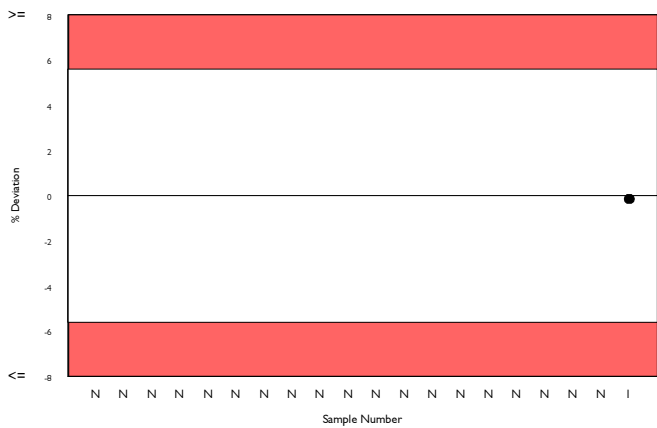
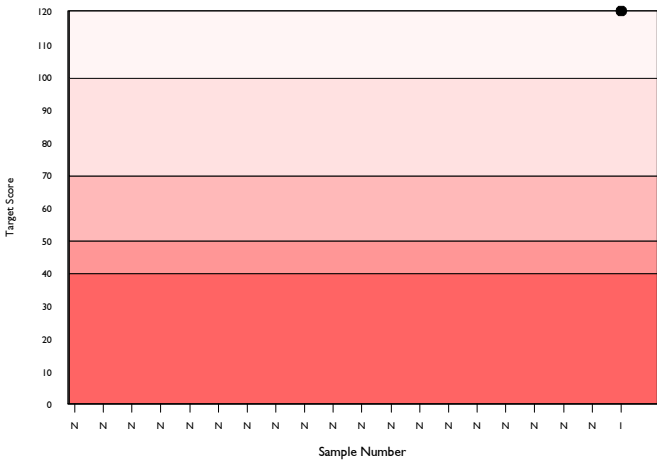
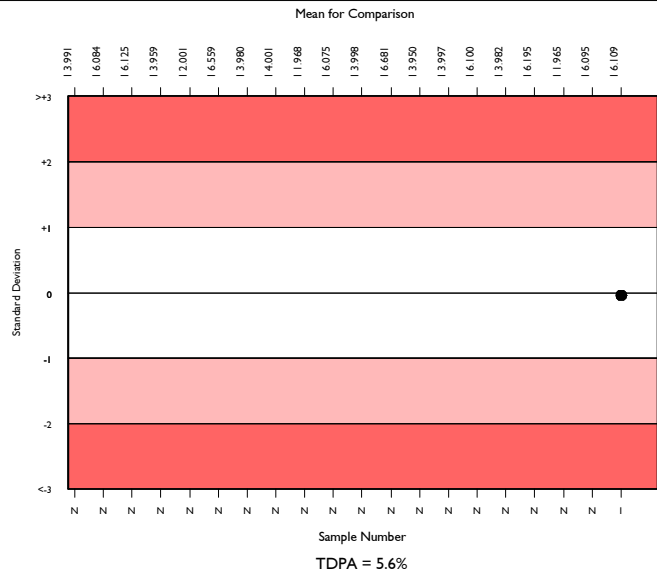
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	3787	6.105	2.5	0.00	0.21	387
ISE method - indirect	2366	6.143	1.7	0.00	0.21	217
Abbott Architect c systems	187	6.109	1.6	0.01	0.21	15

▲ Your Result	6.100	SDI	-0.04
		RMSDI	Too Few
■ Mean for Comparison	6.109	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.60%



Method	N	Mean	CV%	U _m
ISE method - indirect	2366	6.143	1.7	0.00
ISE method - direct	1168	5.990	3.9	0.01
Ortho Vitros MicroSlide Systems	173	6.064	2.0	0.01
Colorimetric	52	5.592	5.6	0.05
Other Dry Chemistry	30	6.052	2.2	0.03
Agappe - ISE DIRECT	21	5.986	1.4	0.02
Flame photometry	14	5.757	7.1	0.14
Enzymatic	6	6.052	2.2	0.07
Turbidimetric	7	6.040	7.1	0.20
Optical Fluorescence	6	6.137	0.5	0.02
Vitros, DT60/DT60 II/DTE II	3	6.033	1.0	0.04

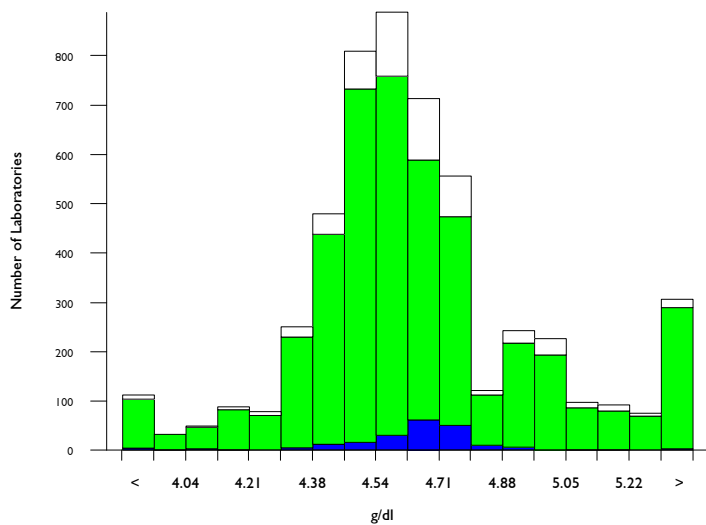


Protein, Total, g/dl

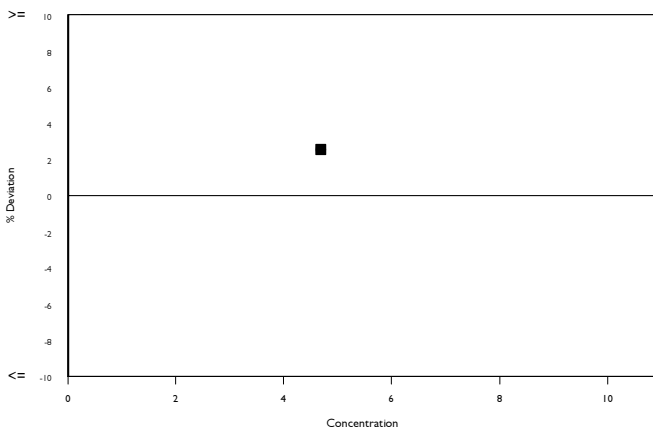
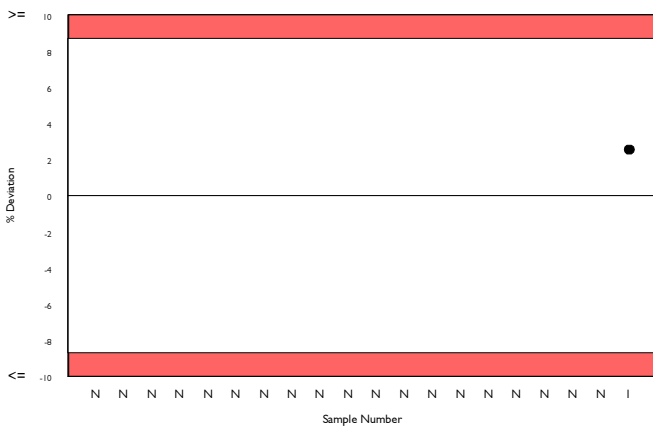
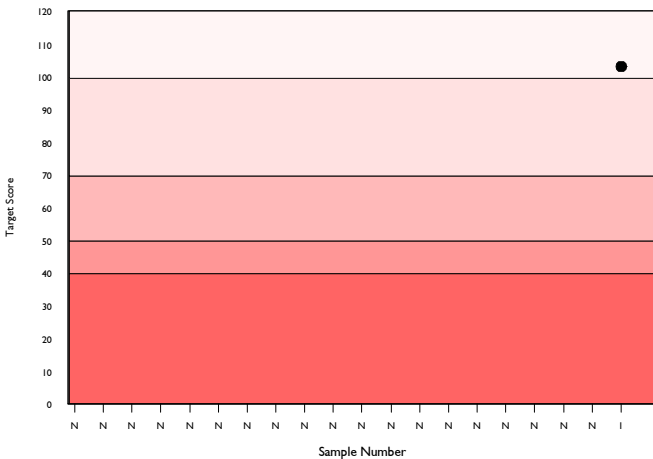
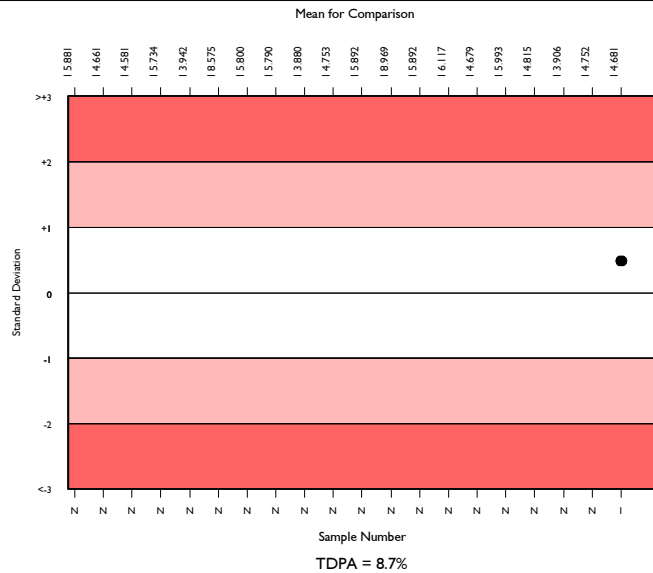
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	4717	4.633	4.8	0.00	0.25	499
Biuret reaction, end point	4120	4.627	4.8	0.00	0.24	482
Abbott Architect c systems	184	4.681	2.6	0.01	0.25	21

▲ Your Result	4.800	SDI	0.48
		RMSDI	Too Few
■ Mean for Comparison	4.681	TS	103
		RMTS	Too Few
		%DEV	2.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.70%



Method	N	Mean	CV%	U _m
Biuret reaction, end point	4120	4.627	4.8	0.00
Ortho Vitros MicroSlide Systems	196	4.674	2.4	0.01
Biuret reaction, kinetic	143	4.556	3.2	0.02
Agappe - BIURET	59	4.957	5.1	0.04
Other Dry Chemistry	45	4.677	4.0	0.04
Biuret reaction, CX4/5/7	40	4.526	2.2	0.02
Abbott Alinity Total Protein 2	33	4.706	1.6	0.02
Abbott Architect total Protein 2	25	4.673	2.8	0.03
Refractometry	2	4.595	3.2	0.13

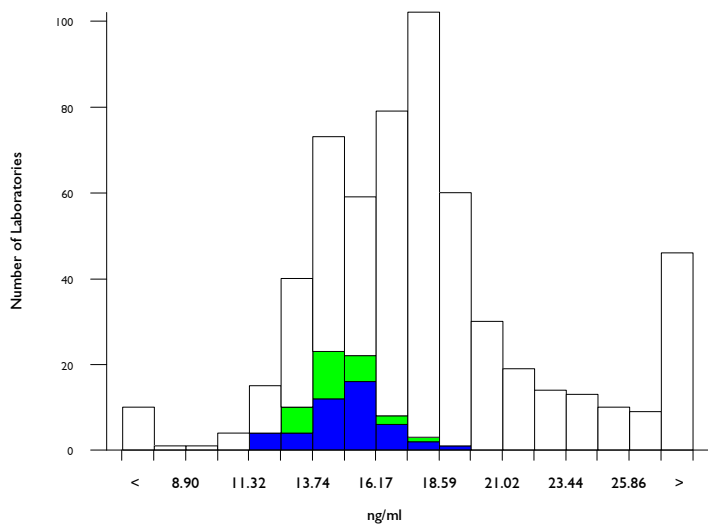


PSA, Total, ng/ml

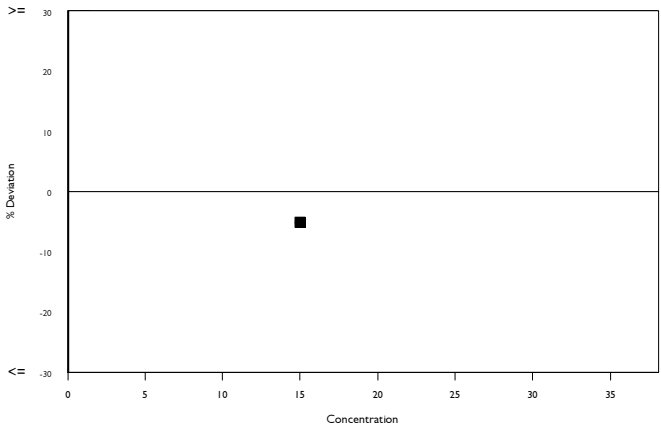
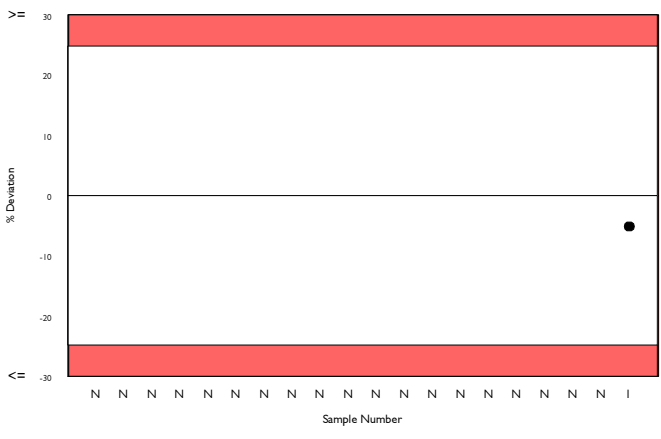
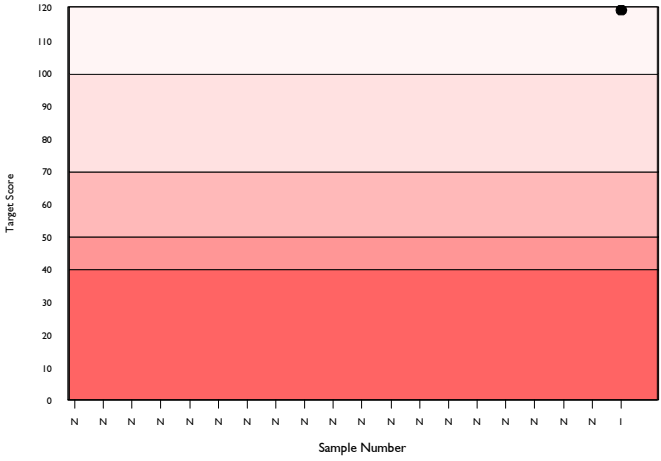
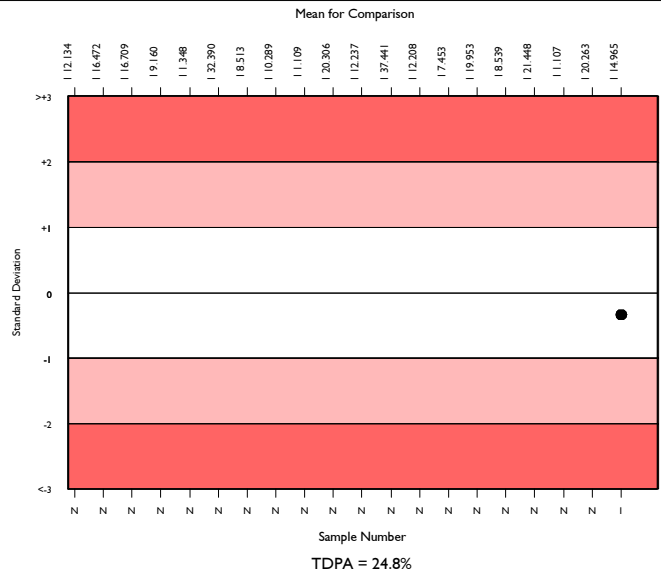
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	528	17.386	18.6	0.18	2.62	57
Abbott Architect/ Alinity	67	14.743	8.5	0.19	2.22	4
Abbott Architect i Systems	43	14.965	9.6	0.27	2.26	2

▲ Your Result	14.200	SDI	-0.34
		RMSDI	Too Few
■ Mean for Comparison	14.965	TS	119
		RMTS	Too Few
		%DEV	-5.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.80%



Method	N	Mean	CV%	U _m
Roche Cobas 4000/e411	85	18.068	10.0	0.24
Abbott Architect/ Alinity	67	14.743	8.5	0.19
Monobind Inc ELISA / CLIA	45	25.852	13.8	0.67
SNIBE Maglumi analysers	48	14.284	8.7	0.22
Roche Cobas e601/602	42	18.221	5.1	0.18
ELISA	40	25.747	21.1	1.07
bioMerieux, VIDAS TPSA	37	17.814	7.4	0.27
Beckman Access standardised to Hybritech	24	20.066	9.0	0.46
Tosoh AIA Series	20	13.442	6.6	0.25
Siemens Dimension	16	17.545	4.4	0.24
Ortho Vitros 3600/5600/ECi	13	16.801	8.3	0.49
Roche Cobas e402/e801	11	17.918	3.1	0.21
Mindray CL-Series	8	20.279	6.0	0.54
Siemens Immulite 2000/2500, Total PSA	8	16.469	10.3	0.75
Siemens Centaur XP/XPT	8	16.305	8.4	0.60
Siemens Centaur CP	7	16.321	13.7	1.05
Ortho Vitros 3600/5600/ECi PSA II	7	17.200	12.8	1.04
Beckman DXI standardised to Hybritech	7	18.836	10.0	0.89
Roche Elecsys Modular E170	6	16.748	13.1	1.12
Siemens Atellica IM	6	15.925	9.3	0.76
Siemens Immulite 1000, Total PSA	5	15.580	6.4	0.55

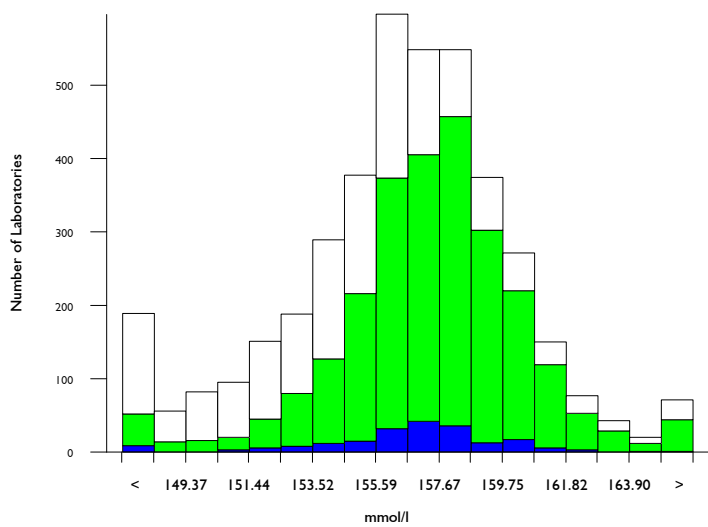


Sodium, mmol/l

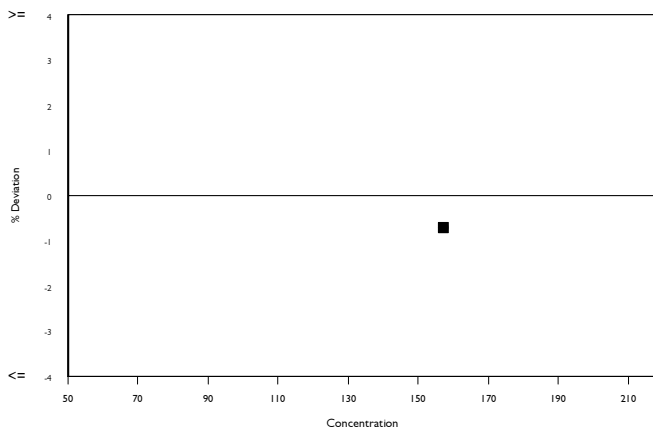
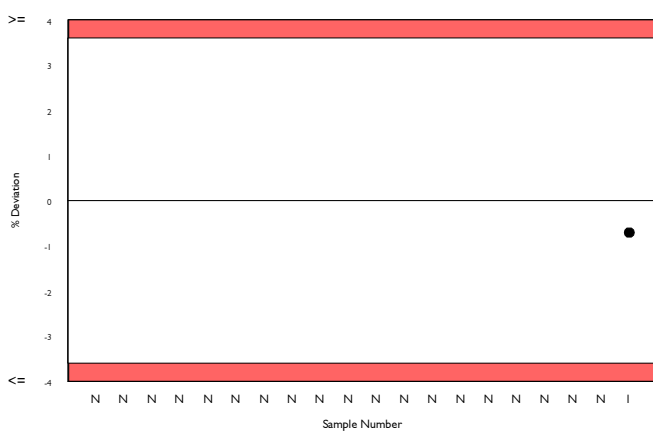
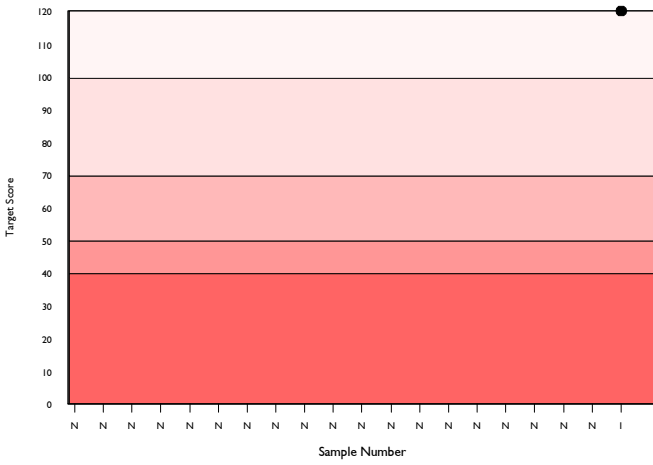
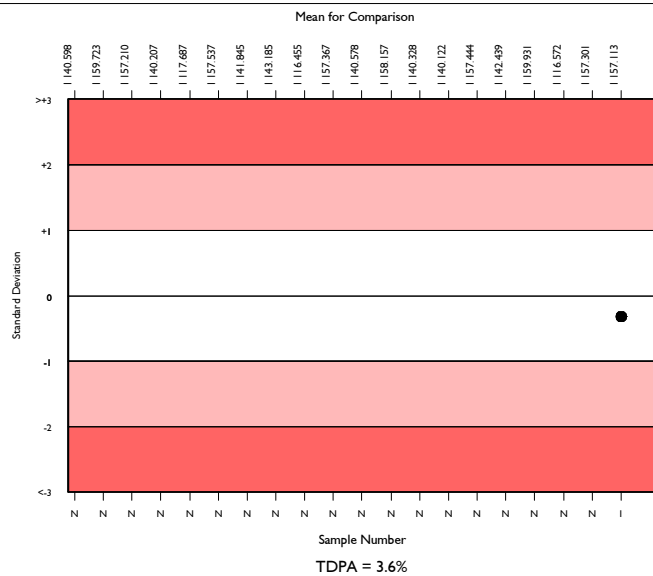
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	3781	156.637	1.8	0.06	3.43	346
ISE method - indirect	2394	157.362	1.4	0.06	3.44	191
Abbott Architect c systems	181	157.113	1.3	0.18	3.44	23

▲ Your Result	156.000	SDI	-0.32
		RMSDI	Too Few
■ Mean for Comparison	157.113	TS	120
		RMTS	Too Few
		%DEV	-0.7
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.60%



Method	N	Mean	CV%	U _m
ISE method - indirect	2394	157.362	1.4	0.06
ISE method - direct	1135	154.939	2.2	0.13
Ortho Vitros MicroSlide Systems	161	154.530	1.6	0.25
Colorimetric	42	152.422	2.3	0.68
Other Dry Chemistry	27	154.926	1.4	0.52
Agappe - ISE DIRECT	18	156.222	0.8	0.37
Flame photometry	13	154.923	3.1	1.66
Enzymatic	7	155.619	2.0	1.49
Optical Fluorescence	6	158.633	2.1	1.70
Vitros, DT60/DT60 II/DTE II	4	153.800	1.1	1.03

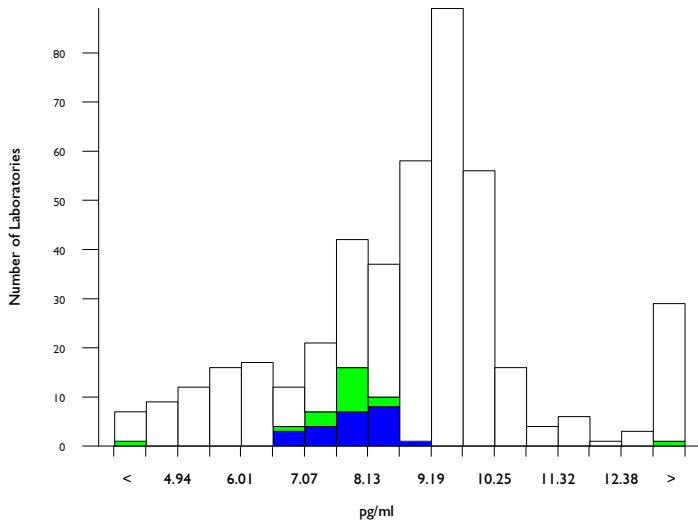


Free T3, pg/ml

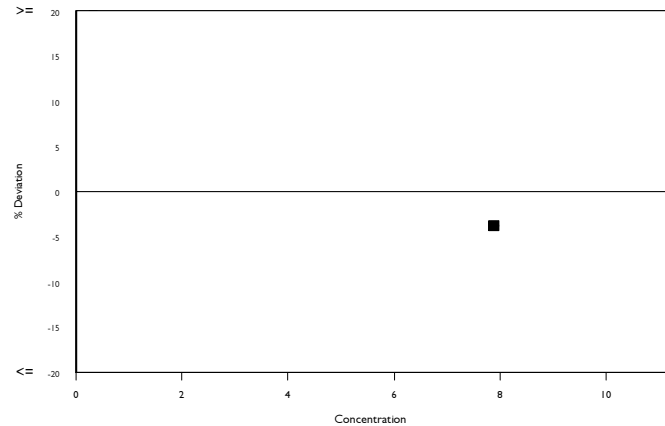
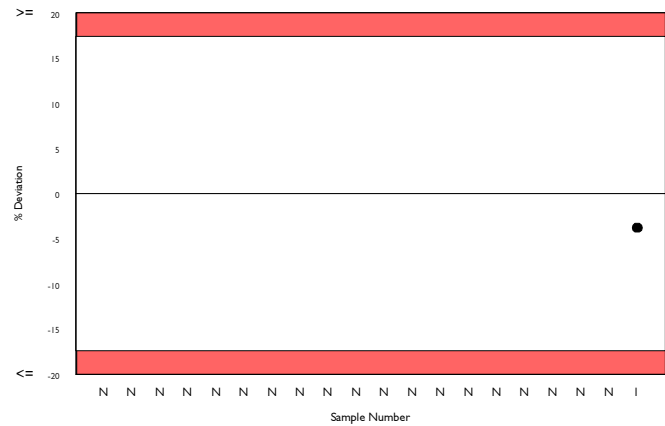
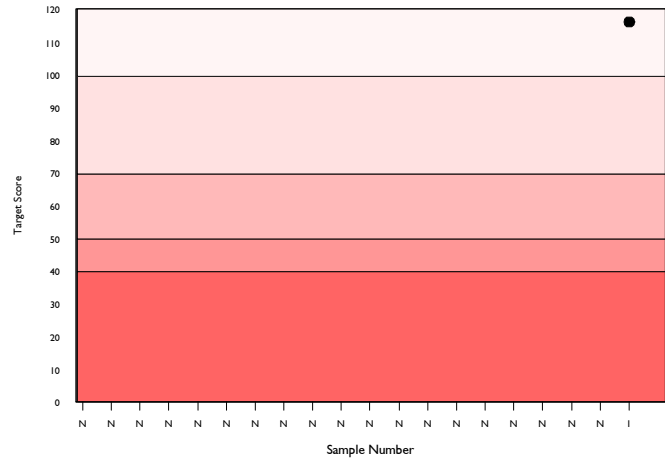
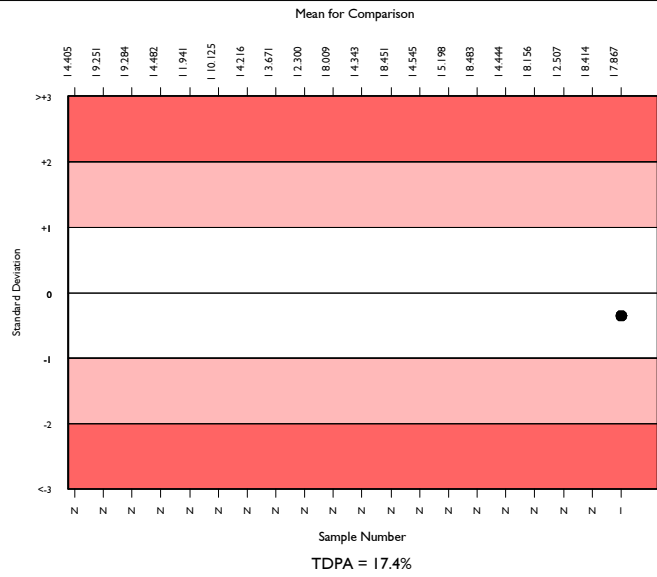
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	385	8.667	16.3	0.09	0.92	51
Abbott Architect/ Alinity, 6 point cal	36	7.807	5.4	0.09	0.83	4
Abbott Architect i Systems	22	7.867	6.3	0.13	0.83	1

▲ Your Result	7.570	SDI	-0.36
		RMSDI	Too Few
■ Mean for Comparison	7.867	TS	116
		RMTS	Too Few
		%DEV	-3.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.40%



Method	N	Mean	CV%	U _m
Roche Cobas 4000/e411	68	9.432	5.5	0.08
Roche Cobas e601/602	50	9.631	4.0	0.07
BioMerieux VIDAS	38	8.907	7.0	0.13
Abbott Architect/ Alinity, 2 point cal	39	7.812	6.2	0.10
Abbott Architect/ Alinity, 6 point cal	36	7.807	5.4	0.09
Beckman Access/LXi725	29	5.951	7.1	0.10
SNIBE Maglumi analysers	15	9.850	5.4	0.17
Ortho Vitros 3600/5600/ECi/XT 7600	16	19.102	4.5	0.27
Siemens Dimension Exl LOCI	12	9.431	1.2	0.04
Roche Cobas e402/e801	14	9.558	3.6	0.11
Tosoh AIA Series	12	11.819	11.6	0.50
Siemens Centaur XP/XPT	10	8.824	5.6	0.20
Beckman Dxl 600/800	9	5.205	10.9	0.24
Mindray CL-Series	7	8.672	7.1	0.29
Siemens/DPC Immulite 2000/2500	7	4.743	13.4	0.30
Siemens Atellica IM	7	9.952	3.4	0.16
ELISA	5	7.350	26.8	1.10
Siemens Centaur CP	4	9.122	2.1	0.12
Monobind Inc ELISA / CLIA	3	4.687	9.2	0.31
Roche Elecsys	3	9.820	16.2	1.15
Autobio CLIA	2	9.897	2.8	0.24

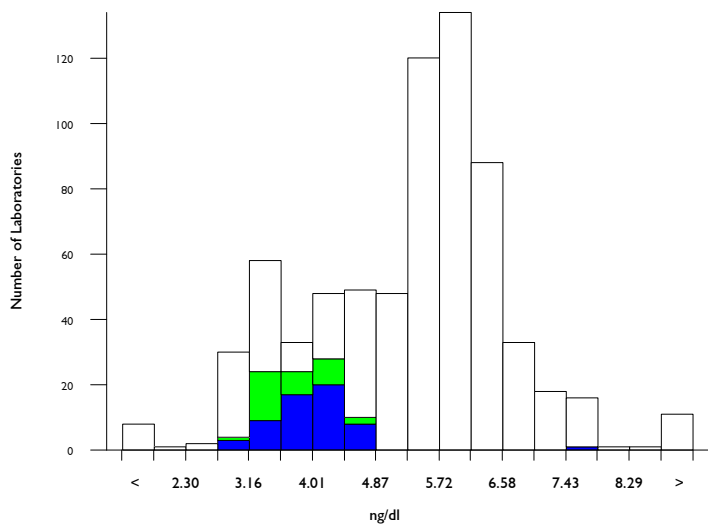


Free T4, ng/dl

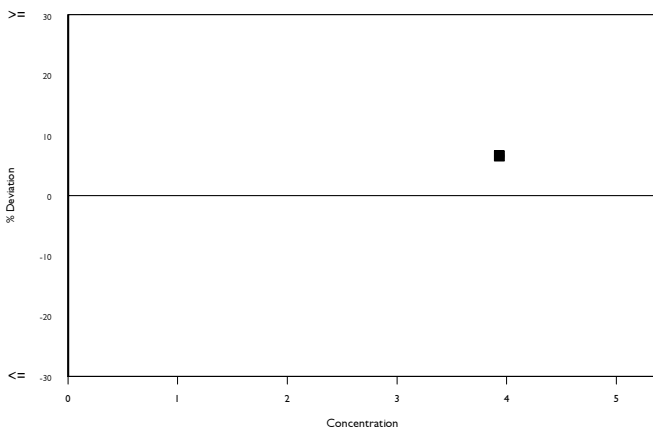
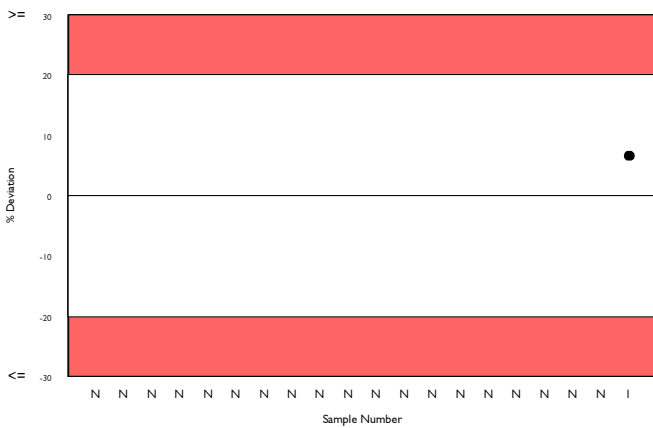
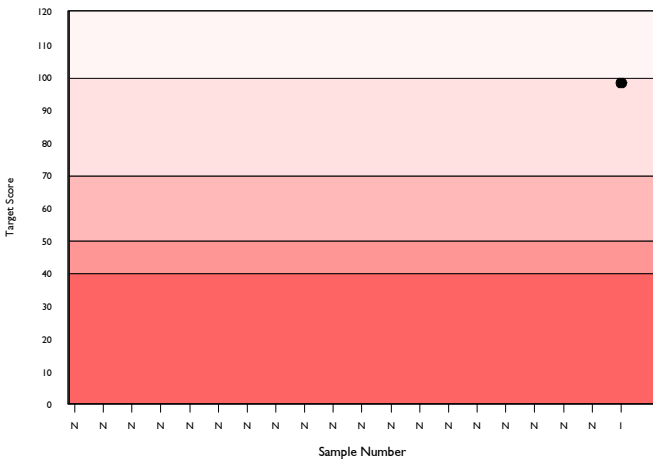
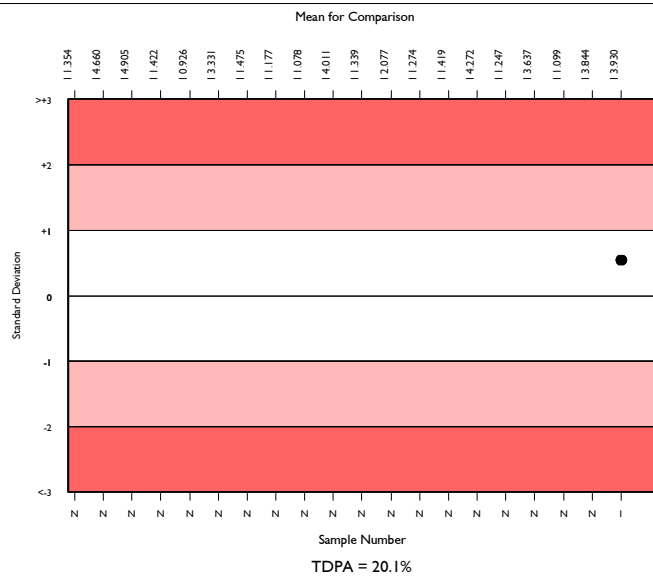
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	665	5.299	21.5	0.06	0.65	59
Abbott Architect/ Alinity	89	3.843	11.8	0.06	0.47	9
Abbott Architect i Systems	57	3.930	11.7	0.08	0.48	6

▲ Your Result	4.190	SDI	0.54
		RMSDI	Too Few
■ Mean for Comparison	3.930	TS	98
		RMTS	Too Few
		%DEV	6.6
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.10%



Method	N	Mean	CV%	U _m
Roche Cobas 4000/e411	105	6.049	8.9	0.07
Abbott Architect/ Alinity	89	3.843	11.8	0.06
Roche Cobas e601/ 602	57	5.983	5.8	0.06
SNIBE Maglumi analysers	54	5.703	5.5	0.05
bioMerieux, VIDAS-FT4N Kit	48	5.788	5.8	0.06
Monobind Inc ELISA / CLIA	46	3.227	8.6	0.05
Beckman Access/LXi725	35	4.872	6.7	0.07
Roche Cobas e402/e801	24	6.006	5.6	0.09
Tosoh AIA Series	25	6.128	7.6	0.12
Ortho Vitros 3600/5600/ECi/XT/7600	10	6.986	0.6	0.02
ELISA	18	3.526	23.2	0.24
Mindray CL-Series	15	4.277	6.6	0.09
Siemens Centaur XP/XPT	13	5.060	9.4	0.16
Siemens Dimension Exl LOCI	12	6.538	2.1	0.05
Siemens/DPC Immulite 2000/2500	12	5.670	4.7	0.10
Beckman Dxl 600/800	14	5.263	5.5	0.10
Siemens Centaur CP	7	5.643	6.3	0.17
Siemens Atellica IM	8	5.357	5.1	0.12
Siemens/DPC Immulite 1000	6	5.944	18.5	0.56
Roche Elecsys	6	5.502	4.4	0.12
DiaSorin Liaison XL	5	7.552	2.0	0.09

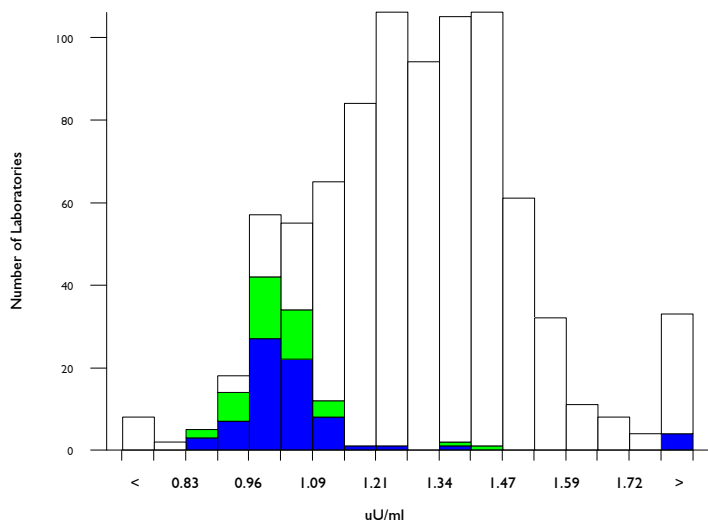


TSH, uU/ml

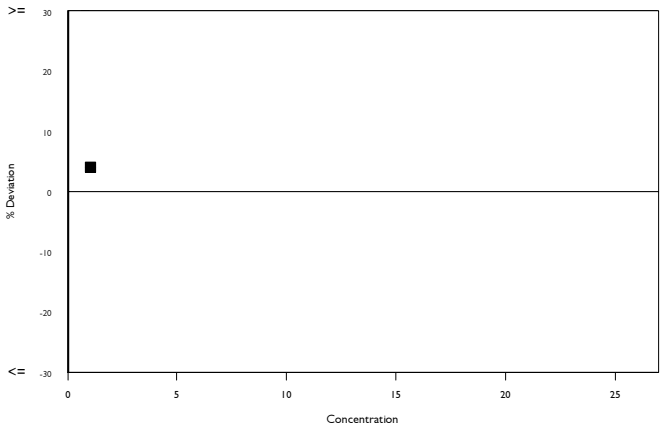
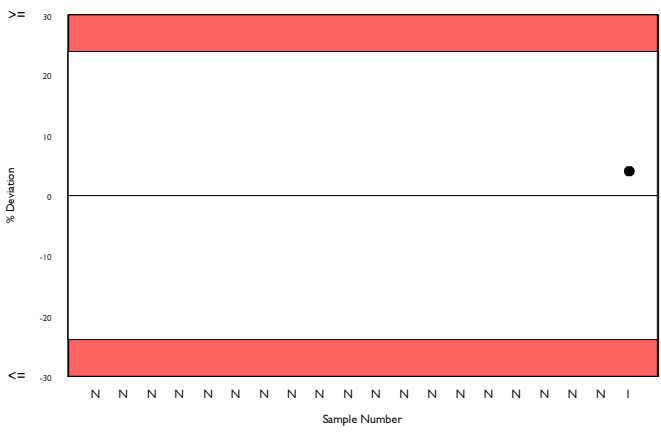
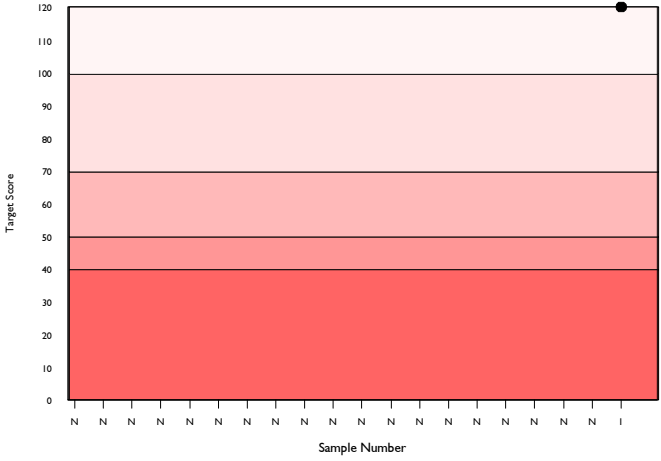
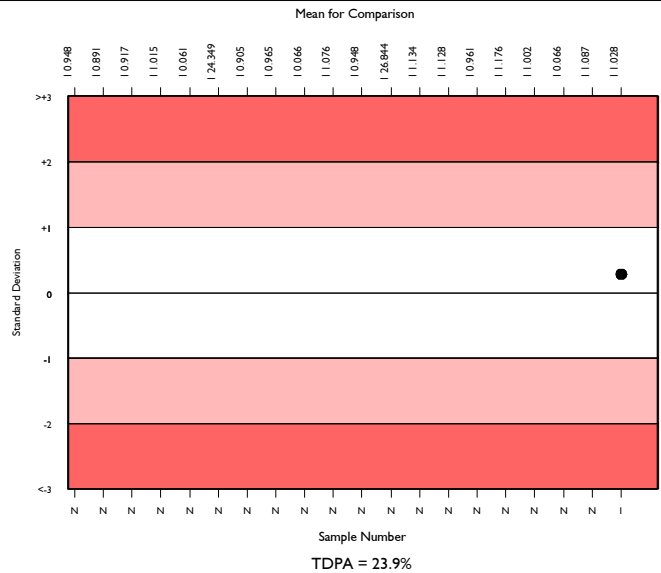
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	795	1.281	13.2	0.01	0.19	59
Abbott Architect/ Alinity	103	1.022	5.5	0.01	0.15	13
Abbott Architect i Systems	64	1.028	5.4	0.01	0.15	10

▲ Your Result	1.070	SDI	0.28
		RMSDI	Too Few
■ Mean for Comparison	1.028	TS	120
		RMTS	Too Few
		%DEV	4.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.90%



Method	N	Mean	CV%	U _m
Roche Cobas 4000/e411	121	1.475	5.2	0.01
Abbott Architect/ Alinity	103	1.022	5.5	0.01
Roche Cobas e601/ 602	64	1.428	2.8	0.01
SNIBE Maglumi analysers	60	1.283	4.4	0.01
Monobind Inc ELISA / CLIA	55	1.244	9.8	0.02
Biomerieux VIDAS TSH	49	1.330	5.4	0.01
ELISA	36	1.183	18.6	0.05
Ortho Vitros 3600/5600/ECi/XT 7600	25	1.216	4.2	0.01
Tosoh AIA Series	29	1.250	7.9	0.02
Beckman DXI600/800/ Access 2 (3rd IS)	25	1.207	6.5	0.02
Beckman Access/LXi725 hyper TSH 3rd gen.	24	1.218	5.7	0.02
Roche Cobas e402/e801	23	1.398	3.0	0.01
Mindray CL-Series	14	1.668	8.0	0.04
Siemens Dimension Exl LOCI	14	1.157	6.0	0.02
Siemens/DPC Immulite 2000/2500	14	1.329	11.2	0.05
Roche Elecsys	11	1.451	6.0	0.03
Siemens Atellica IM	8	1.225	2.9	0.02
Siemens Centaur CP	8	1.091	5.4	0.03
bioMerieux, VIDAS TSH3 Ultrasensitive	8	1.286	6.6	0.04
Siemens Centaur XP/XPT	9	1.297	12.3	0.07
Siemens/DPC Immulite 1000	8	1.276	7.1	0.04

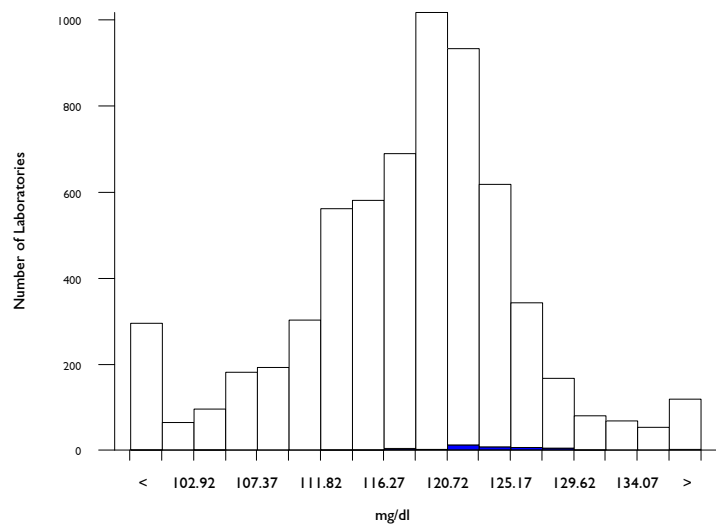


Urea, mg/dl

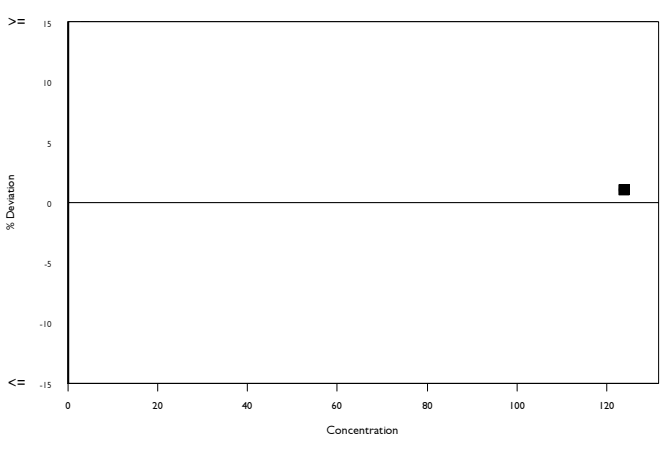
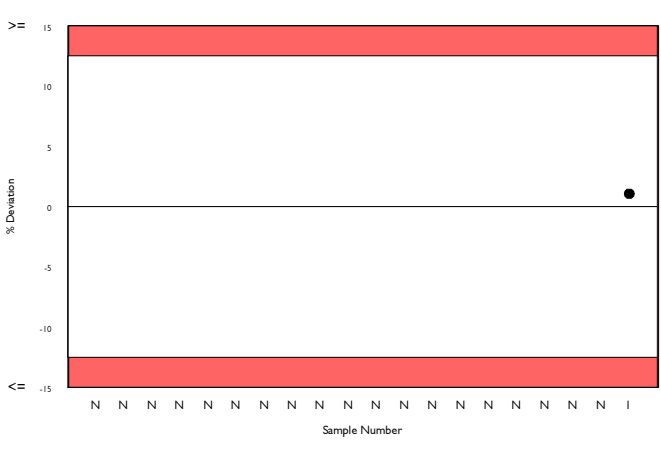
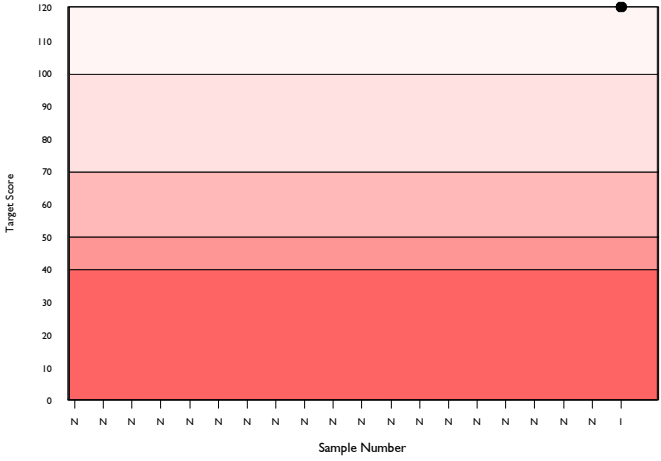
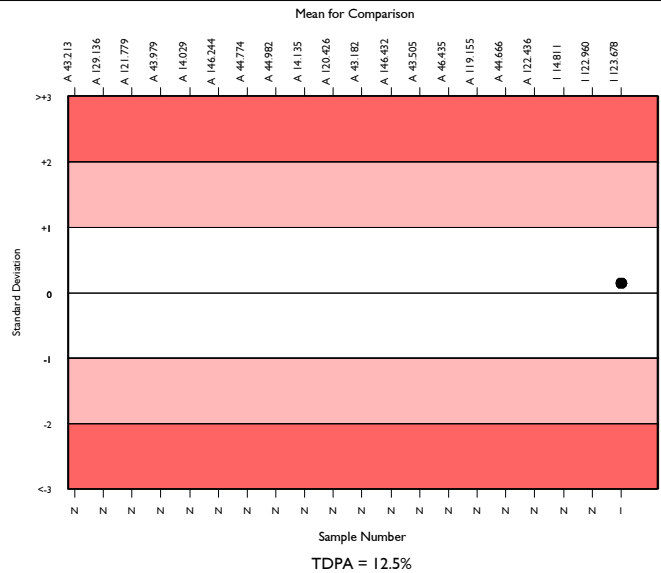
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5831	118.502	5.0	0.10	9.01	528
Abbott Architect Urea Nitrogen 2	39	123.306	2.8	0.70	9.37	5
Abbott Architect c systems	37	123.678	2.6	0.65	9.40	4

▲ Your Result	125.000	SDI	0.14
		RMSDI	Too Few
■ Mean for Comparison	123.678	TS	120
		RMTS	Too Few
		%DEV	1.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.50%



Method	N	Mean	CV%	U _m
Urease, kinetic	4953	118.847	4.8	0.10
Urease, end point	342	117.418	5.8	0.46
Ortho Vitros MicroSlide Systems	210	113.538	3.2	0.32
Urease, hypochlorite	91	114.973	5.3	0.80
Agappe - UREASE GLDH	57	113.268	5.0	0.93
Other Dry Chemistry	47	125.484	3.1	0.72
Abbott Architect Urea Nitrogen 2	39	123.306	2.8	0.70
Beckman - Conductivity	29	120.724	4.6	1.28
Agappe - BERTHELOT	10	116.083	4.2	1.91
Diacetyl monoxime	4	119.366	2.6	1.95
O-Phthalaldehyde	4	119.050	6.8	5.06
Vitros DT60/DT60 II	3	123.494	6.4	5.70

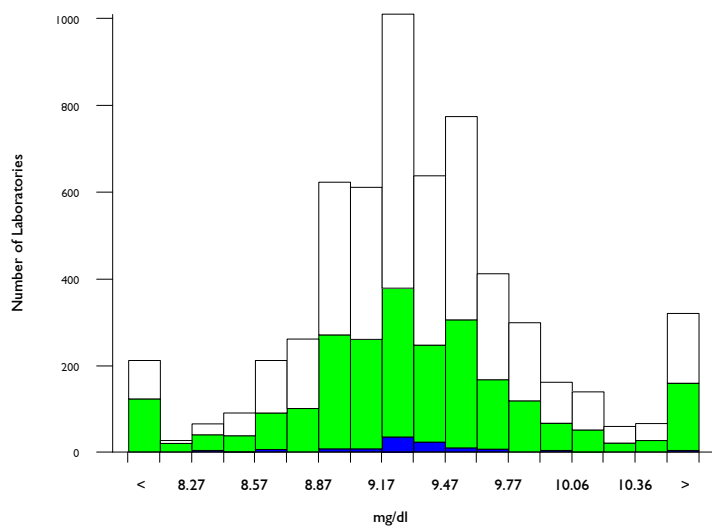


Uric Acid (Urate), mg/dl

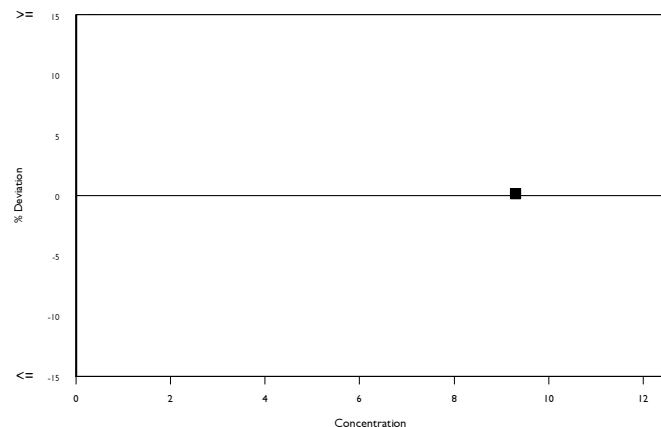
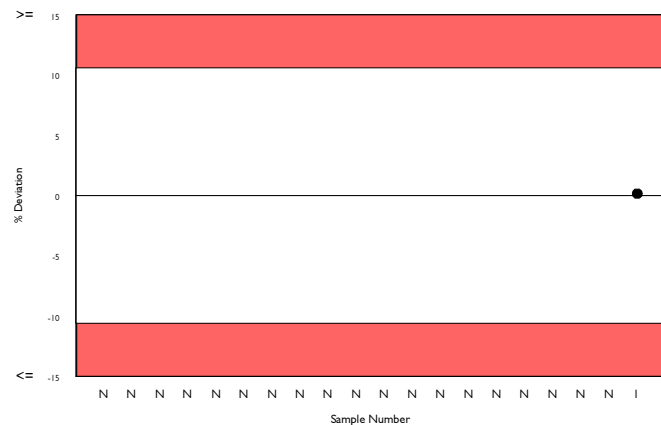
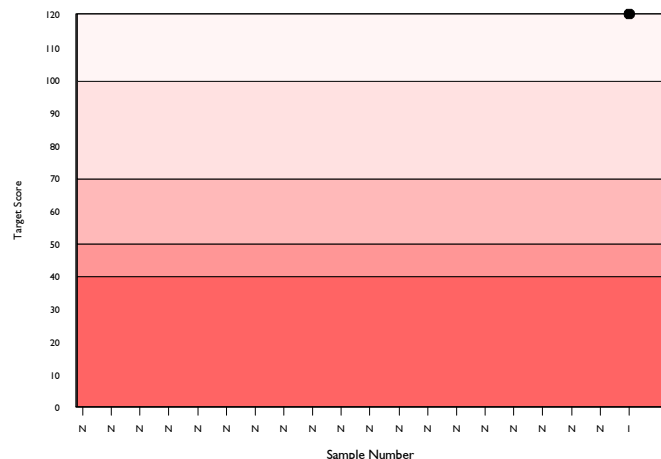
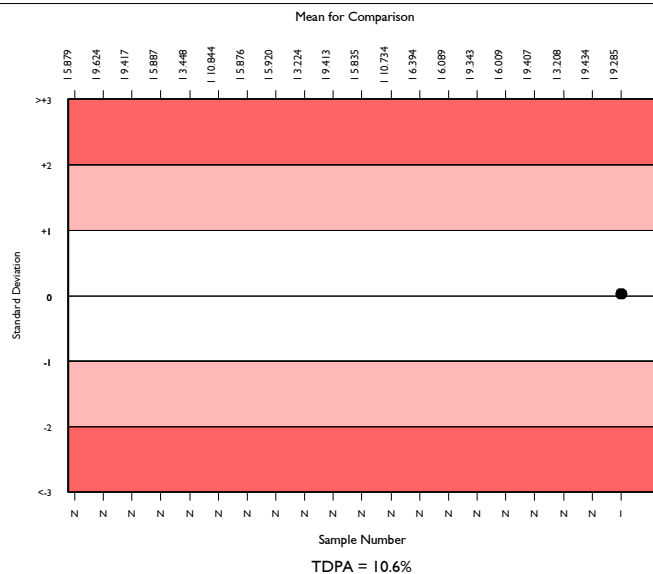
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5388	9.323	4.3	0.01	0.60	590
Uricase perox. no ascorb. ox.	2211	9.301	4.6	0.01	0.60	278
Abbott Architect c systems	96	9.285	2.5	0.03	0.60	14

▲ Your Result	9.300	SDI	0.02
		RMSDI	Too Few
■ Mean for Comparison	9.285	TS	120
		RMTS	Too Few
		%DEV	0.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.60%



Method	N	Mean	CV%	U _m
Uricase perox. no ascorb. ox.	2211	9.301	4.6	0.01
Uricase Perox. with ascorb. ox	1437	9.444	4.0	0.01
Uricase Perox. with ascorb. ox @ 546nm	1038	9.249	3.5	0.01
Ortho Vitros MicroSlide Systems	216	8.882	2.8	0.02
Uricase @ 293 nm	180	9.271	2.1	0.02
Uricase, catalase 340nm.	106	9.303	2.1	0.02
Agappe - URICASE - PAP	39	9.820	3.1	0.06
Abbott Architect Uric Acid 2	31	9.305	1.3	0.03
Abbott Alinity Uric Acid 2	32	9.244	1.7	0.03
Other Dry Chemistry	24	10.125	4.7	0.12
Agappe - URICASE - TOPS	22	9.752	7.2	0.19
Reduction methods	8	9.502	1.7	0.07
Vitros DT60/DT60 II	4	9.759	19.1	1.17



Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2.871	2.700	-1.09	Too Few	-6.0	Too Few	68	Too Few	
Alkaline Phosphatase	355.591	304.000	-1.29	Too Few	-14.5	Too Few	61	Too Few	
ALT (GPT)	139.167	131.000	-0.64	Too Few	-5.9	Too Few	91	Too Few	
Amylase, Pancreatic	266.001	259.000	-0.21	Too Few	-2.6	Too Few	120	Too Few	
Amylase, Total	313.175	317.000	0.12	Too Few	1.2	Too Few	120	Too Few	
AST (GOT)	143.468	160.000	1.28	Too Few	11.5	Too Few	61	Too Few	
Bile Acids	43.472	47.800	0.67	Too Few	10.0	Too Few	89	Too Few	
Bilirubin, Direct	1.714	1.700	-0.05	Too Few	-0.8	Too Few	120	Too Few	
Bilirubin, Total	5.245	5.100	-0.29	Too Few	-2.8	Too Few	120	Too Few	
Calcium	12.063	12.300	0.39	Too Few	2.0	Too Few	113	Too Few	
Chloride	113.611	113.000	-0.19	Too Few	-0.5	Too Few	120	Too Few	
Cholesterol	286.671	286.000	-0.04	Too Few	-0.2	Too Few	120	Too Few	
CK, Total	522.993	517.000	-0.16	Too Few	-1.1	Too Few	120	Too Few	
Creatinine	4.525	4.880	1.02	Too Few	7.8	Too Few	71	Too Few	
GGT	164.412	167.000	0.14	Too Few	1.6	Too Few	120	Too Few	
Glucose	15.719	283.000	329.04	Too Few	999.0	Too Few	10	Too Few	▲
HDL-Cholesterol	96.439	96.000	-0.04	Too Few	-0.5	Too Few	120	Too Few	
Iron	231.371	224.000	-0.52	Too Few	-3.2	Too Few	100	Too Few	
LD (LDH)	355.290	360.000	0.17	Too Few	1.3	Too Few	120	Too Few	
LDL-Cholesterol (Pilot)	115.258	114.000	-0.09	Too Few	-1.1	Too Few	120	Too Few	
Lipase	60.075	60.000	-0.01	Too Few	-0.1	Too Few	120	Too Few	
Lithium	2.036	2.060	0.17	Too Few	1.2	Too Few	120	Too Few	
Magnesium	4.209	4.300	0.32	Too Few	2.2	Too Few	120	Too Few	
Phosphate, Inorganic	6.811	6.700	-0.28	Too Few	-1.6	Too Few	120	Too Few	
Potassium	6.109	6.100	-0.04	Too Few	-0.1	Too Few	120	Too Few	
Protein, Total	4.681	4.800	0.48	Too Few	2.5	Too Few	103	Too Few	
PSA, Total	14.965	14.200	-0.34	Too Few	-5.1	Too Few	119	Too Few	
Sodium	157.113	156.000	-0.32	Too Few	-0.7	Too Few	120	Too Few	
Free T3	7.867	7.570	-0.36	Too Few	-3.8	Too Few	116	Too Few	
Free T4	3.930	4.190	0.54	Too Few	6.6	Too Few	98	Too Few	
TSH	1.028	1.070	0.28	Too Few	4.0	Too Few	120	Too Few	
Urea	123.678	125.000	0.14	Too Few	1.1	Too Few	120	Too Few	
Uric Acid (Urate)	9.285	9.300	0.02	Too Few	0.2	Too Few	120	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

END OF REPORT