Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 4

Explanation of codes used in this report

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

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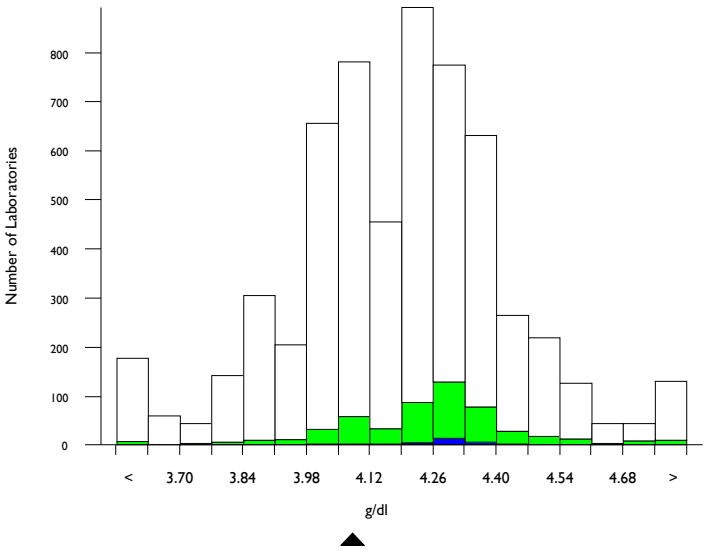
RIQAS

Albumin, g/dl

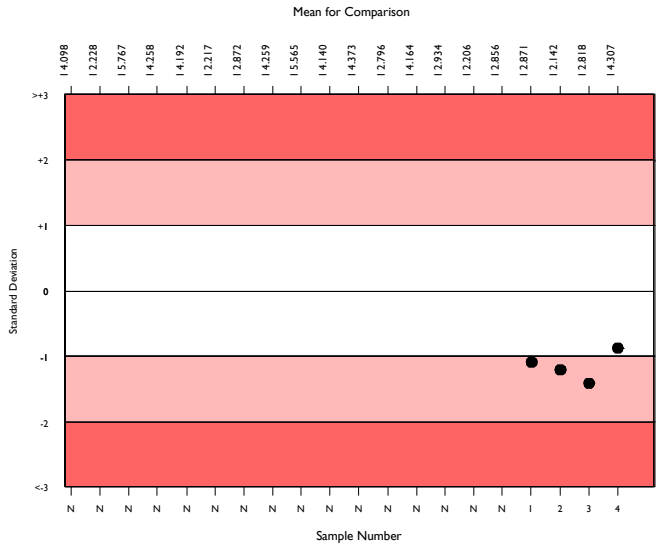
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5503	4.192	4.4	0.00	0.23	438
Bromocresol Purple	488	4.257	3.4	0.01	0.23	40
Abbott Architect c systems	27	4.307	1.5	0.02	0.24	3

▲ Your Result	4.100	SDI	-0.88
		RMSDI	Too Few
Mean for Comparison	4.307	TS	77
		RMTS	Too Few
		%DEV	-4.8
		RM%DEV	Too Few

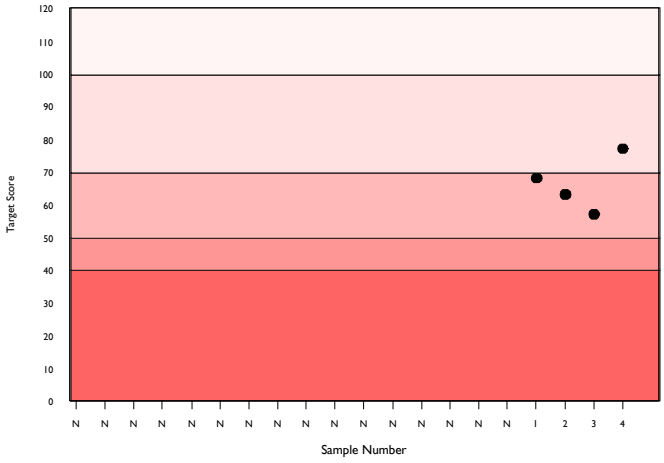
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.00%

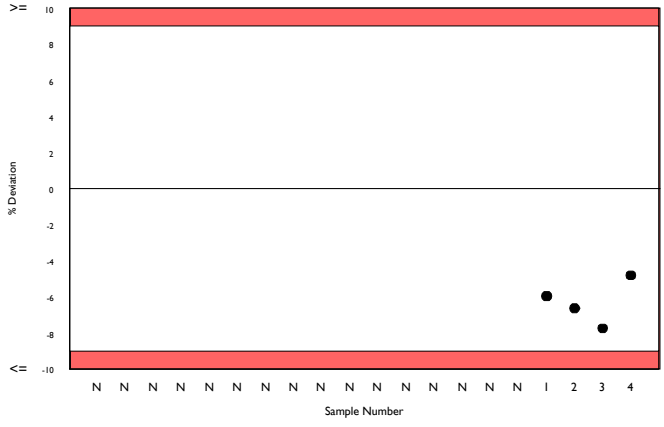


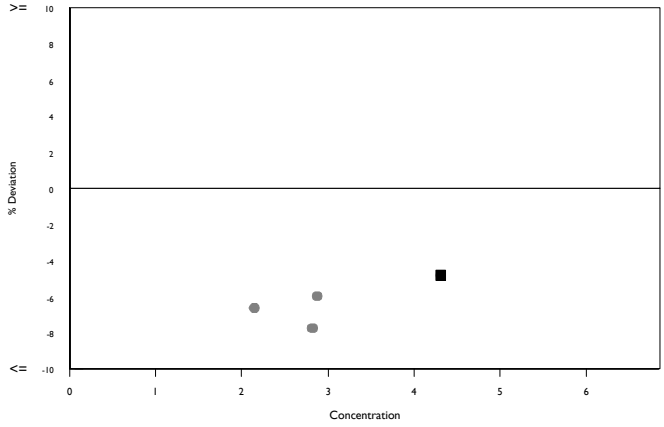
Method	N	Mean	CV%	U_m
Bromocresol Green	4561	4.178	4.5	0.00
Bromocresol Purple	488	4.257	3.4	0.01
Ortho Vitros MicroSlide Systems	209	4.291	3.2	0.01
Abbott Alinity Albumin BCG 2	56	4.209	1.3	0.01
Agappe - Bromocresol Green	58	4.154	3.9	0.03
Other Dry Chemistry	41	4.877	4.2	0.04
Turbidimetric Assays	33	4.281	3.9	0.04
Abbott Architect Albumin BCG 2	22	4.247	1.8	0.02
Abbott Architect Albumin BCP 2	10	4.042	2.4	0.04
Nephelometric Assays	7	4.211	4.3	0.09
Abbott Alinity Albumin BCP 2	4	4.030	2.5	0.06
Vitros DT60/DT60 II/DTSC II	3	4.147	0.9	0.03
Electrophoresis	3	4.077	4.3	0.13



TDPA = 9%





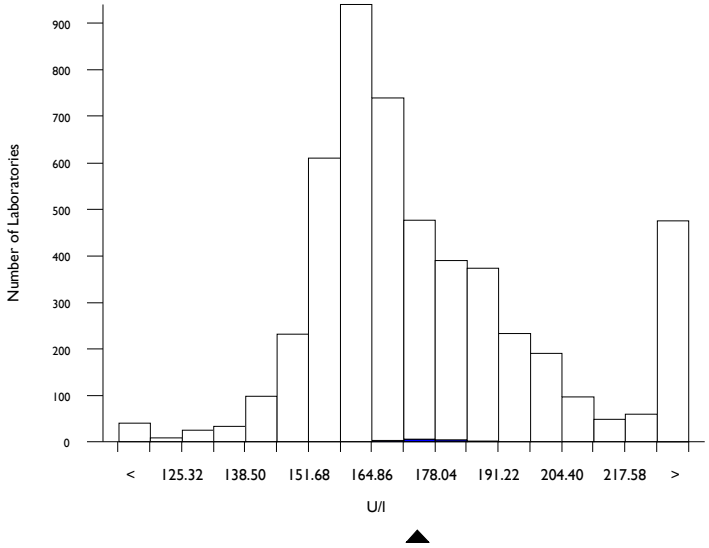


Alkaline Phosphatase, U/l @ 37°C

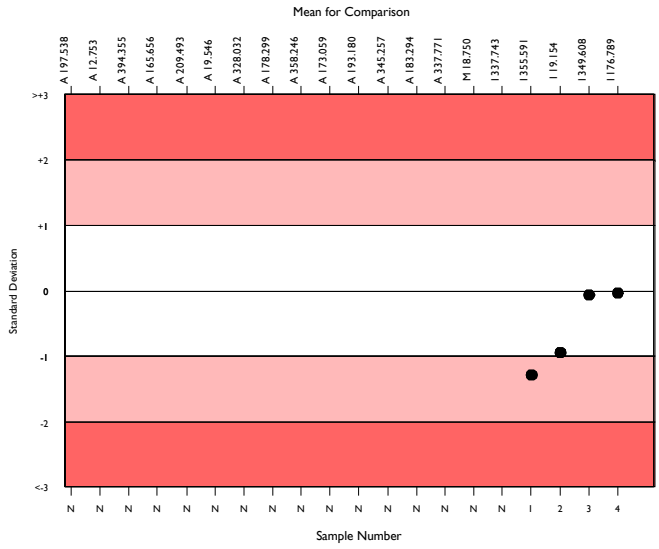
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4564	171.453	10.3	0.33	19.28	504
Abbott Architect Alkaline Phosphatase 2	15	176.789	3.3	1.88	19.88	1
Abbott Architect c systems	15	176.789	3.3	1.88	19.88	1

Your Result	176.000	SDI	-0.04
		RMSDI	Too Few
Mean for Comparison	176.789	TS	120
		RMTS	Too Few
		%DEV	-0.4
		RM%DEV	Too Few

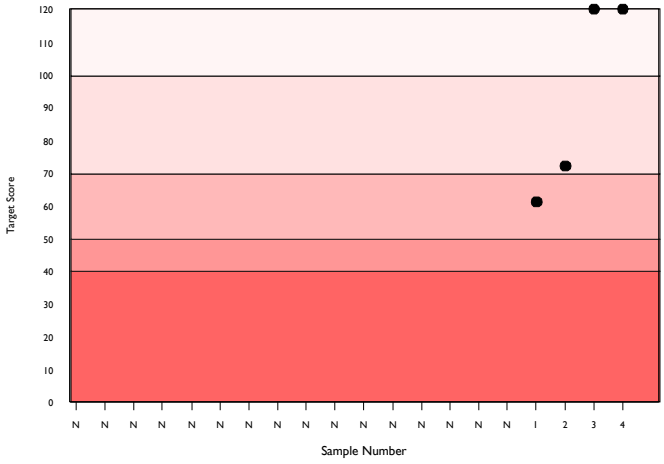
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%

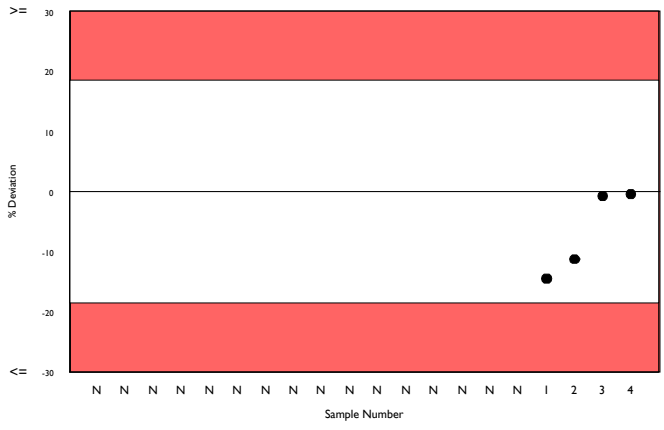


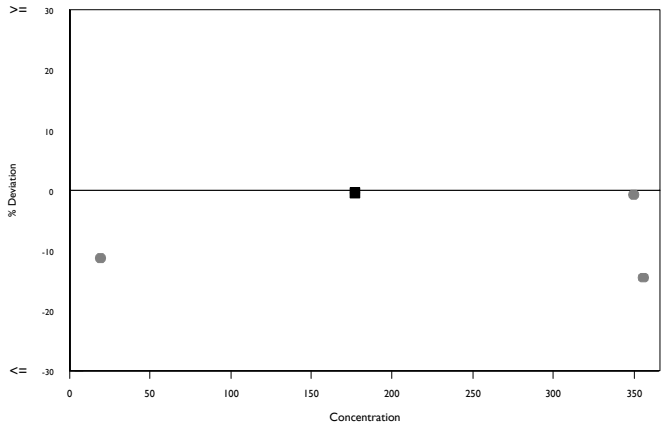
Method	N	Mean	CV%	U_m
AMP optimised to IFCC	1951	175.574	8.7	0.43
Roche AMP buffer IFCC	1146	161.080	3.9	0.23
Diethanolamine buffer, DEA	441	237.035	13.8	1.95
Ortho Vitros MicroSlide Systems	231	159.051	5.7	0.74
AMP non-optimised	211	178.964	9.9	1.53
Siemens/Dade Dimension AMP buffer	206	161.009	3.5	0.49
Beckman AMP (Calibrator)	142	189.348	6.1	1.22
Colorimetric	109	169.354	11.7	2.38
Agappe - DGKC-SCE	47	234.184	10.7	4.56
Other AMP kits	45	170.785	4.7	1.51
Other Dry Chemistry	40	171.702	8.9	3.01
Abbott Alinity Alkaline Phosphatase 2	24	177.000	6.5	2.92
Beckman AMP (Extinction Coeff)	25	186.054	6.5	3.04
Abbott Architect Alkaline Phosphatase 2	15	176.789	3.3	1.88
Fuji Dri-Chem JSCC	8	169.025	2.2	1.63
AMP optimised to NVKC/SFBC	8	213.518	26.2	24.75
AMPD optimised to JSCC	4	169.950	9.4	10.03
Vitros DT60/DT60 II/DTSC II	2	164.000	7.8	11.25
AMP reduced interference	2	191.500	26.2	44.37
Tris/carbonate buffer	2	144.400	23.1	29.50



TDPA = 18.5%





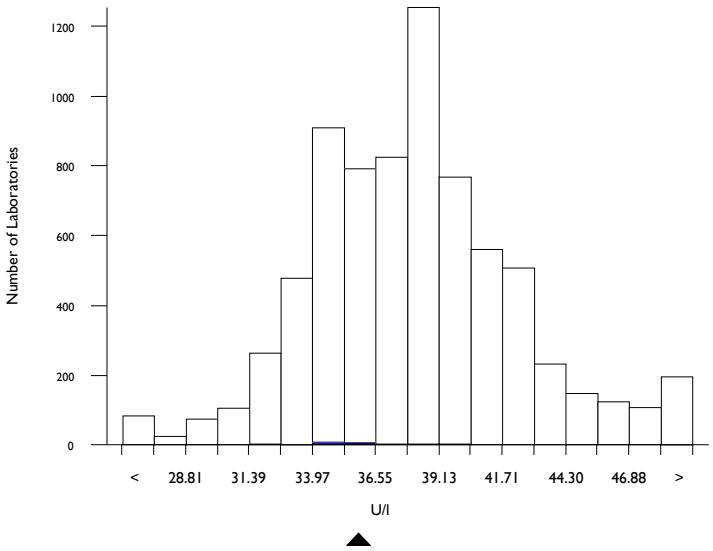


ALT (GPT), U/l @ 37°C

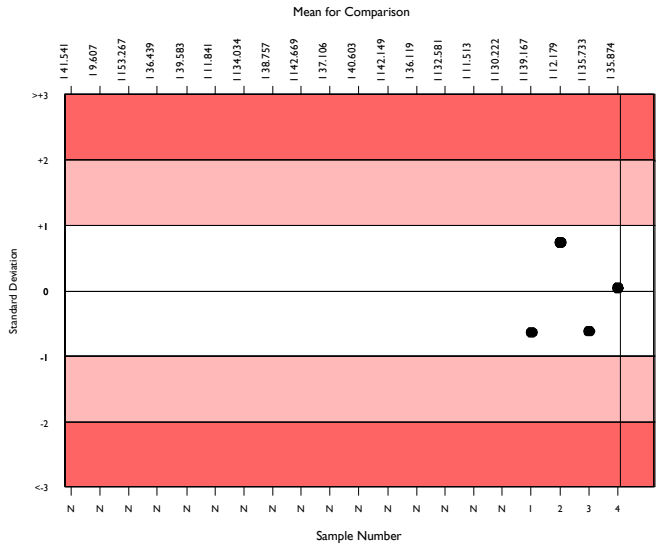
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6972	37.847	9.1	0.05	3.47	469
Abbott Architect ALT 2	25	35.874	6.5	0.58	3.29	1
Abbott Architect c systems	25	35.874	6.5	0.58	3.29	1

Your Result	36.000	SDI	0.04
		RMSDI	Too Few
Mean for Comparison	35.874	TS	120
		RMTS	Too Few
		%DEV	0.4
		RM%DEV	Too Few

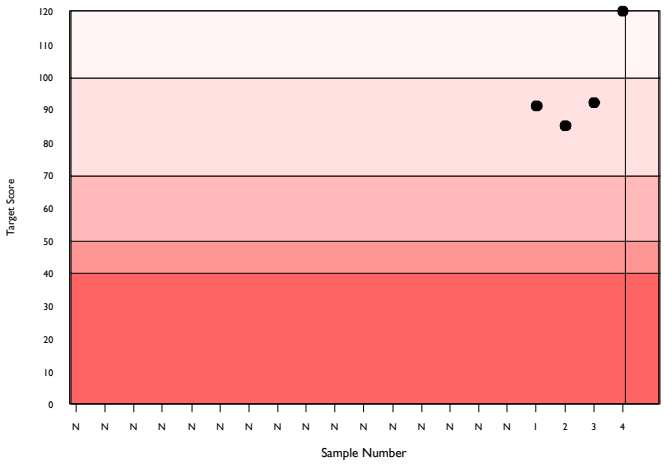
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.10%

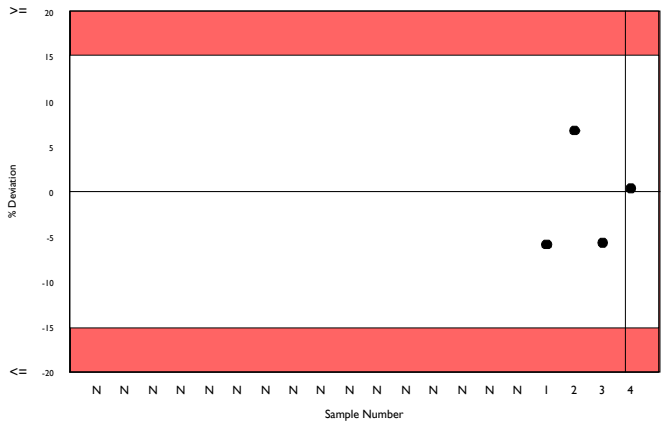


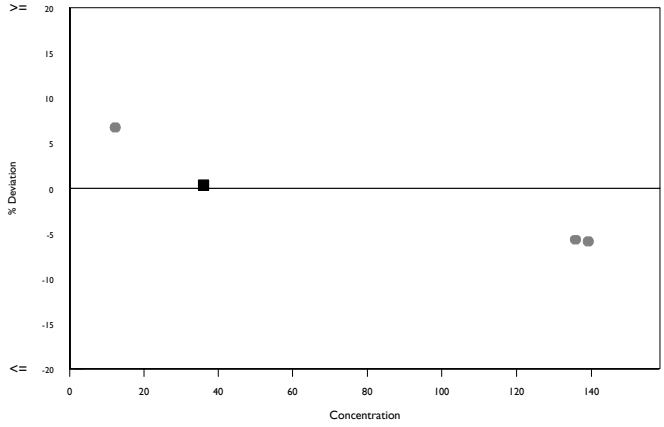
Method	N	Mean	CV%	U_m
Tris buffer without P5P	4517	37.054	8.9	0.06
Beckman Mod. IFCC Ref. without P5P	852	39.120	4.9	0.08
Tris buffer with P5P	698	39.473	10.6	0.20
Ortho Vitros MicroSlide Systems	167	40.156	4.7	0.18
Siemens/Dade standard nonIFCC correlated	156	43.578	7.0	0.31
Beckman IFCC Ref. with P5P	116	39.246	5.6	0.25
Agappe - IFCC	78	38.857	7.0	0.38
Ortho Vitros MicroSlide visible	73	39.950	4.7	0.28
Other Dry Chemistry	57	37.251	5.0	0.31
Colorimetric	60	37.646	11.4	0.69
Abbott Alinity ALT 2	36	35.434	3.4	0.25
Phosphate buffer, DGKC	24	39.205	11.9	1.19
Abbott Architect ALT 2	25	35.874	6.5	0.58
Tris buffer with P5P, NVKC	20	36.680	8.5	0.87
Tris buffer, SCE	11	36.857	9.1	1.26
Beckman (Extinction Coefficient)	11	39.850	2.8	0.42
LDH - JSCC	8	35.125	10.7	1.66



TDPA = 15.1%





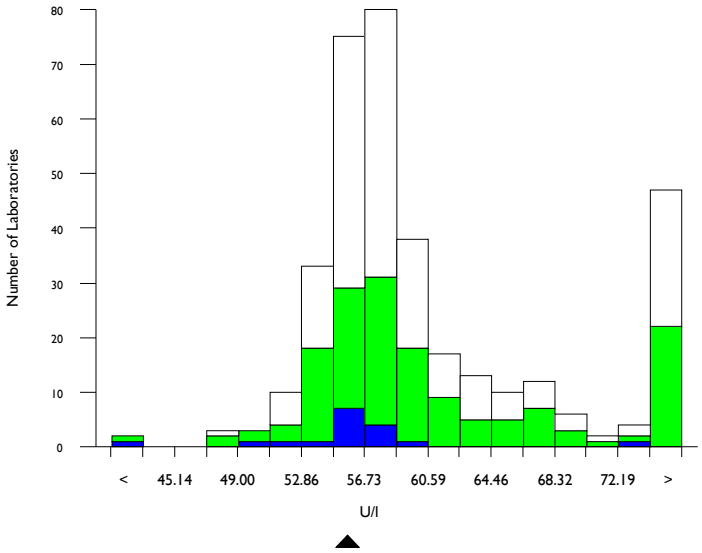


Amylase, Pancreatic, U/l @ 37°C

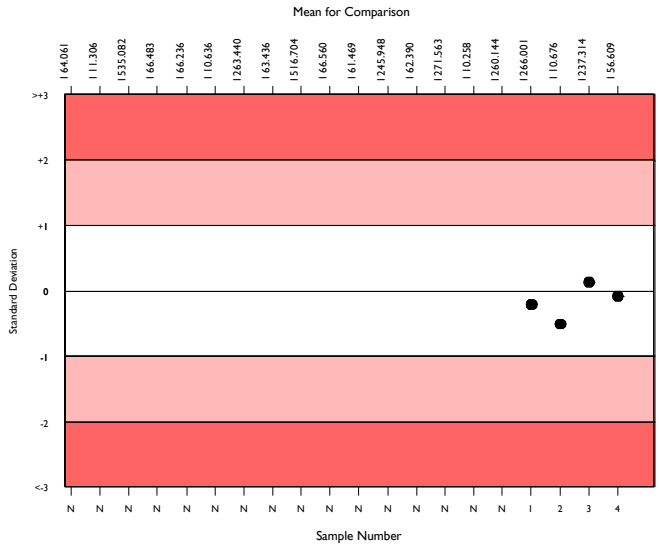
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	313	58.666	8.8	0.36	7.24	43
Immunoinhibition, EPS substrate	139	58.556	9.0	0.56	7.23	22
Abbott Architect c systems	13	56.609	2.6	0.50	6.99	4

▲ Your Result	56.000	SDI	-0.09
		RMSDI	Too Few
Mean for Comparison	56.609	TS	120
		RMTS	Too Few
		%DEV	-1.1
		RM%DEV	Too Few

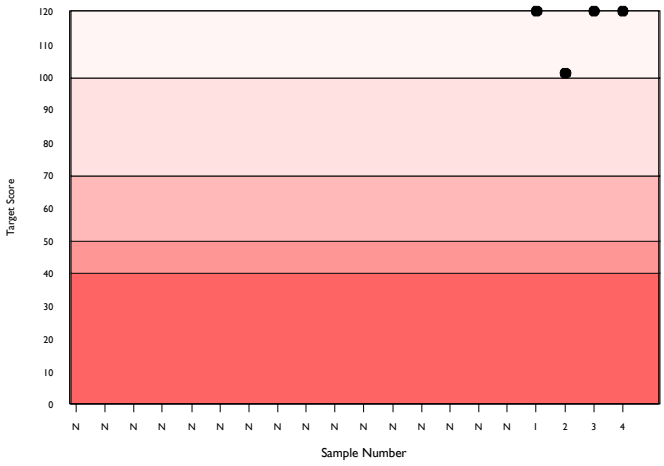
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.30%

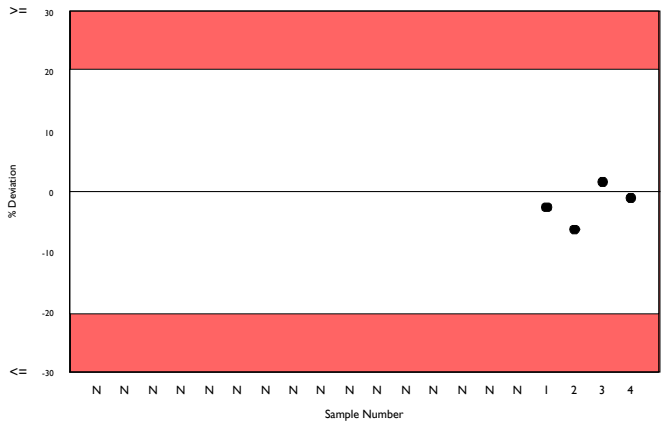


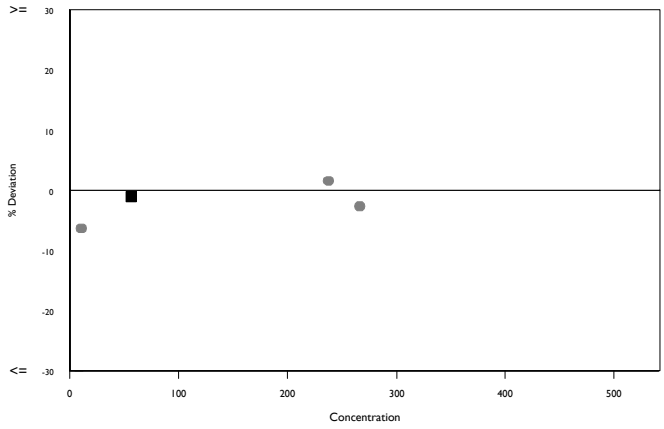
Method	N	Mean	CV%	U_m
Immunoinhibition, EPS substrate	139	58.556	9.0	0.56
Roche Liquid Stable pNPG7	121	57.243	2.9	0.19
Amyloclastic Methods	18	69.819	19.1	3.93
Beckman Synchron/CX/LXi/DxC	14	64.925	18.6	4.03
Randox Liquid Stable pNPG7	8	66.538	15.5	4.55
Other Dry Chemistry	7	70.100	17.4	5.77



TDPA = 20.3%





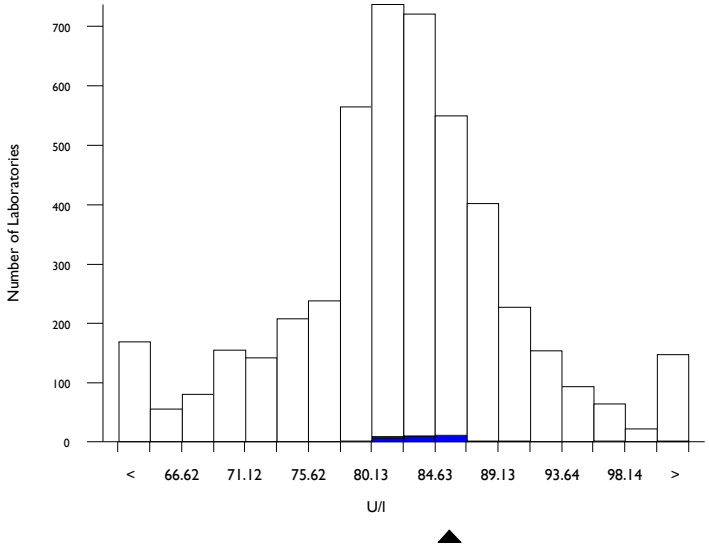


Amylase, Total, U/l @ 37°C

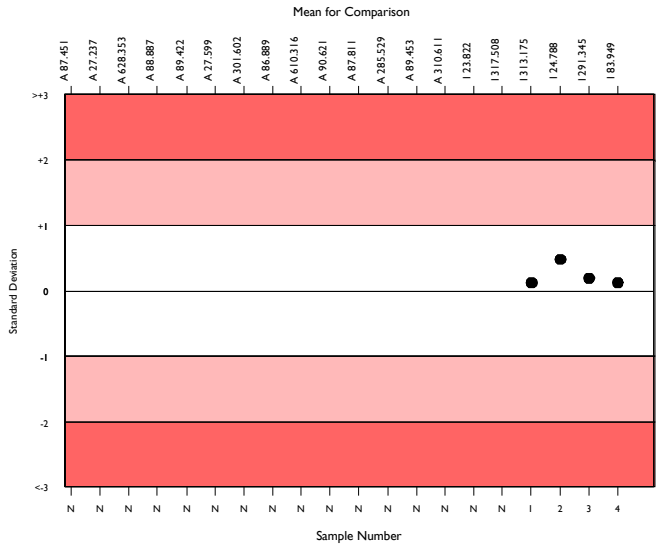
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4319	82.383	7.3	0.11	8.46	402
Abbott Architect Amylase 2	32	83.821	2.3	0.42	8.61	3
Abbott Architect c systems	30	83.949	2.3	0.43	8.63	3

Your Result	85.000	SDI	0.12
		RMSDI	Too Few
Mean for Comparison	83.949	TS	120
		RMTS	Too Few
		%DEV	1.3
		RM%DEV	Too Few

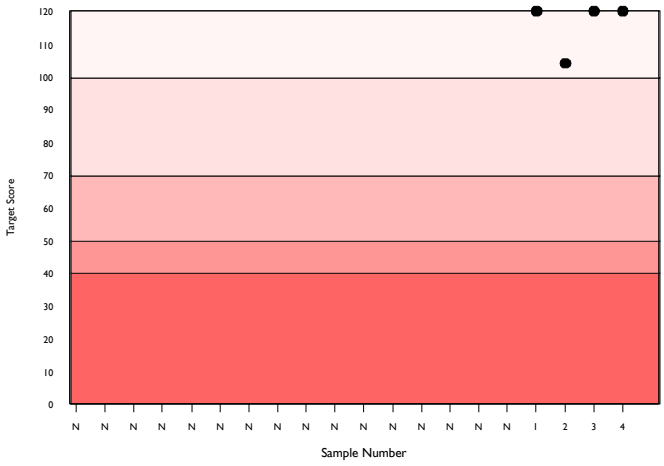
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.90%

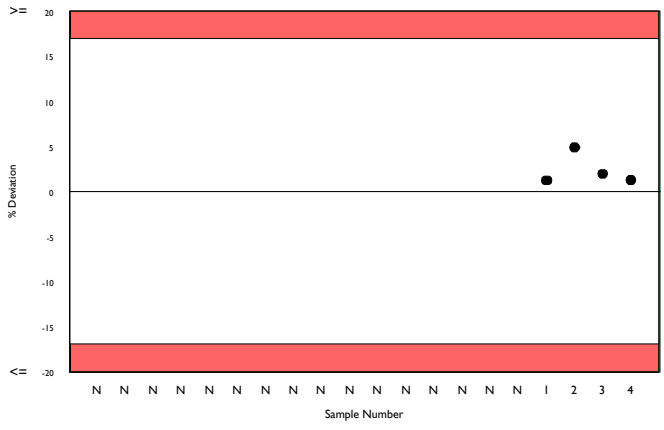


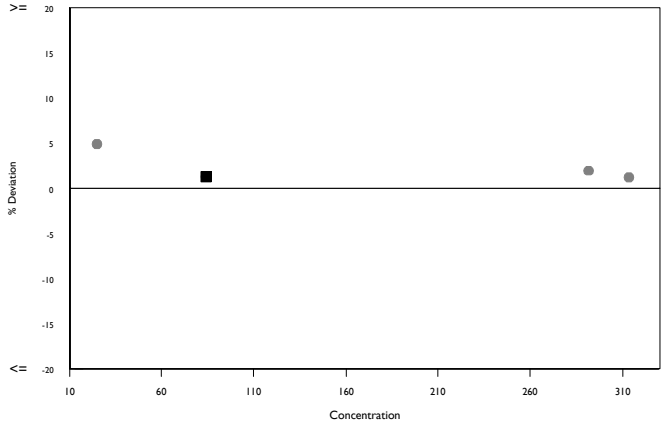
Method	N	Mean	CV%	U_m
Other 2-chloro-pNPG3	1005	80.949	10.7	0.34
Roche liquid stable pNPG7	888	81.897	2.4	0.08
Beckman Olympus blocked pNPG7	235	83.687	5.8	0.39
Beckman CNPG3 (Master Cal)	218	77.232	5.5	0.36
Siemens/Dade Behring 2-chloro-pNPG3	208	85.807	2.6	0.19
Siemens - blocked pNPG7	169	89.301	4.9	0.42
Ortho Vitros MicroSlide Systems	159	69.393	5.9	0.41
Other - blocked pNPG7	144	82.793	7.5	0.65
Abbott Architect/Alinity cal factor 3431	115	84.891	3.4	0.34
Other non blocked pNPG7	117	84.999	7.5	0.74
Randox Liquid Ethylidene pNPG7	116	87.221	6.7	0.68
Roche Integra 2-chloro-pNPG7	70	82.097	2.6	0.32
Beckman Synchron AMY7	61	85.943	4.8	0.66
Agappe - CNPG3	60	75.735	5.7	0.70
Other 2-chloro-pNP-linked sub.	60	84.599	9.8	1.34
Abbott Alinity Amylase 2	60	83.817	1.8	0.24
Human CNPG3 (IFCC)	59	82.880	9.6	1.30
BM/Roche Colorimetric pNPG7	48	82.098	2.5	0.38
Abbott Architect/Alinity cal factor 3806	51	87.994	4.7	0.73
pNP Maltotrioside substrates	50	84.596	8.4	1.26
Wiener Amilokit (AU/dl)	43	81.981	9.8	1.53



TDPA = 16.9%





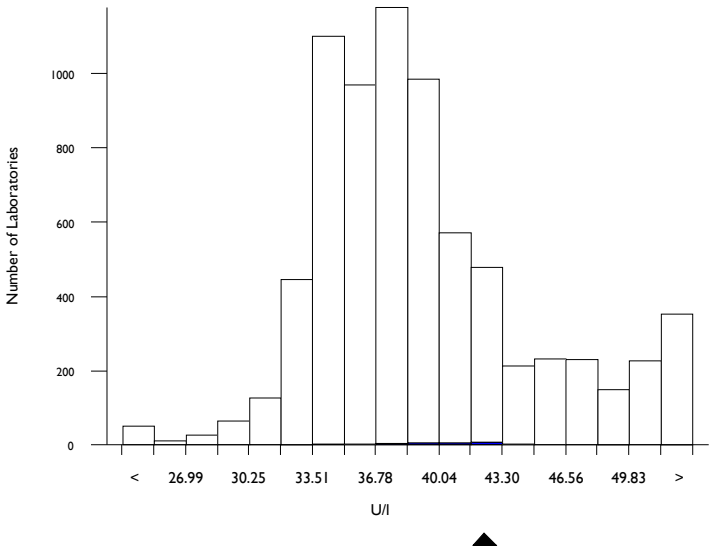


AST (GOT), U/l @ 37°C

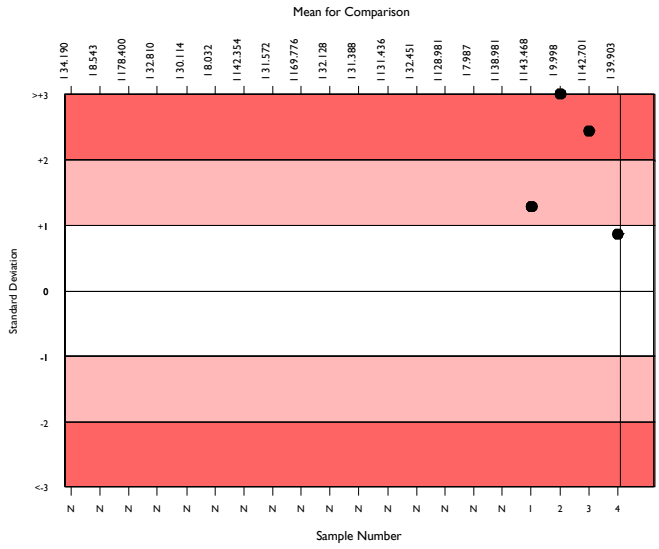
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6824	38.413	11.3	0.07	3.46	578
Abbott Architect AST 2	31	39.903	7.4	0.67	3.59	3
Abbott Architect c systems	31	39.903	7.4	0.67	3.59	3

Your Result	43.000	SDI	0.86
		RMSDI	Too Few
Mean for Comparison	39.903	TS	78
		RMTS	Too Few
		%DEV	7.8
		RM%DEV	Too Few

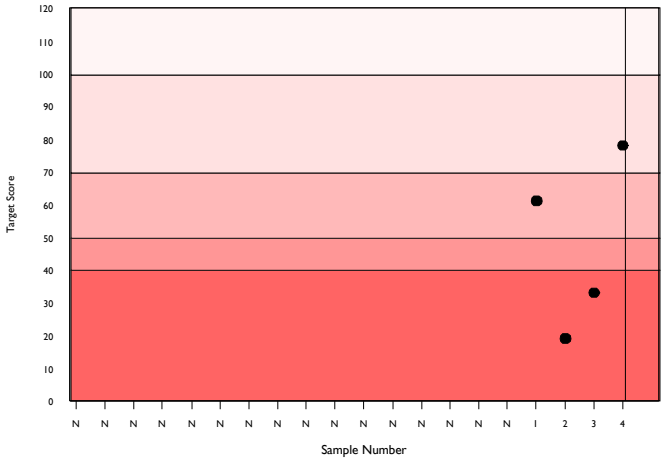
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.80%

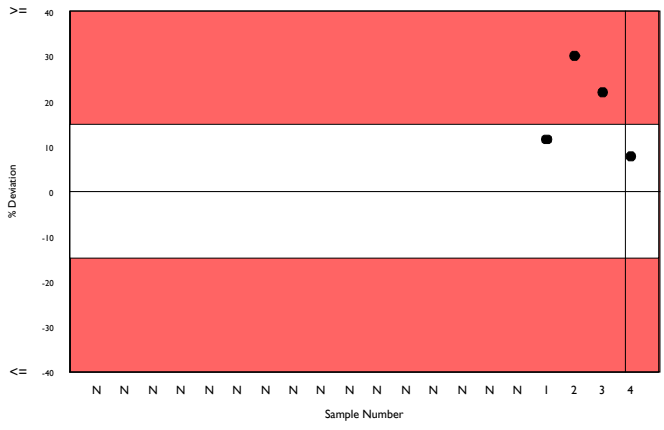


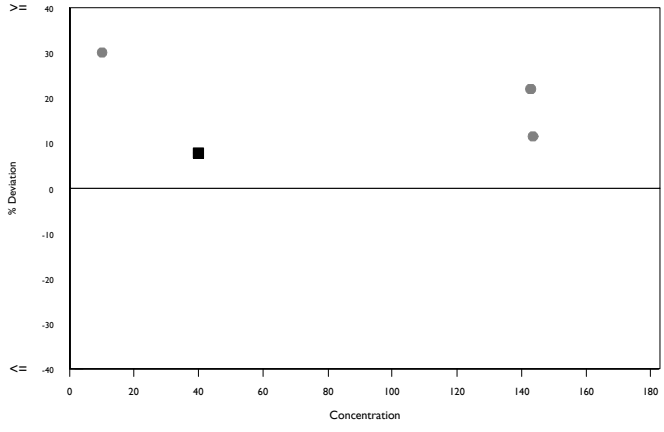
Method	N	Mean	CV%	U_m
Tris buffer without P5P	4500	36.972	8.6	0.06
Beckman Mod. IFCC Ref. without P5P	853	39.665	5.2	0.09
Tris buffer with P5P	662	45.557	13.6	0.30
Ortho Vitros MicroSlide visible	229	50.456	4.8	0.20
Siemens/Dade standard non IFCC corr.	165	46.419	9.5	0.43
Beckman IFCC Ref. with P5P	92	39.769	7.0	0.36
Agappe - IFCC	75	36.883	5.8	0.31
Other Dry Chemistry	60	36.707	5.8	0.34
Colorimetric	57	37.322	11.3	0.70
Abbott Alinity AST 2	39	40.119	7.7	0.62
Abbott Architect AST 2	31	39.903	7.4	0.67
Phosphate buffer, DGKC	24	37.677	8.4	0.80
Tris buffer with P5P, NVKC	18	35.757	4.9	0.52
Tris buffer, SCE	11	38.470	8.5	1.23
Beckman (Extinction Coefficient)	9	39.544	5.3	0.87
Vitros DT60/DT60 II/DTSC II	2	36.000	0.0	0.00
MDH - JSCC	2	36.500	9.7	3.12



TDPA = 14.8%





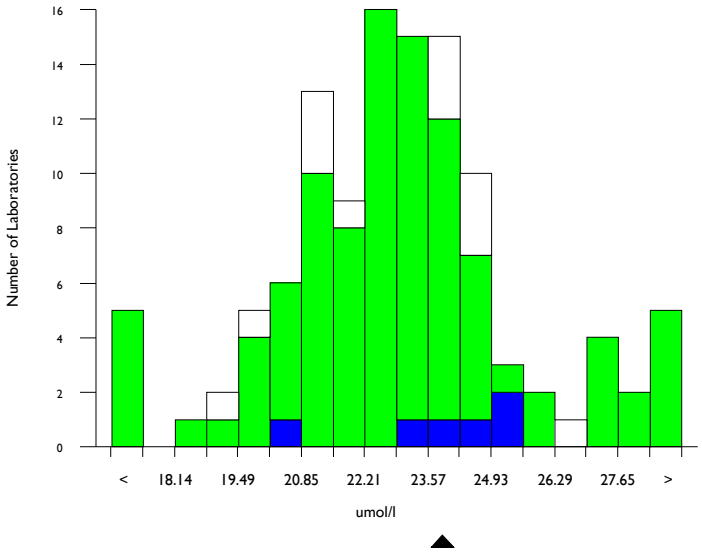


Bile Acids, umol/l

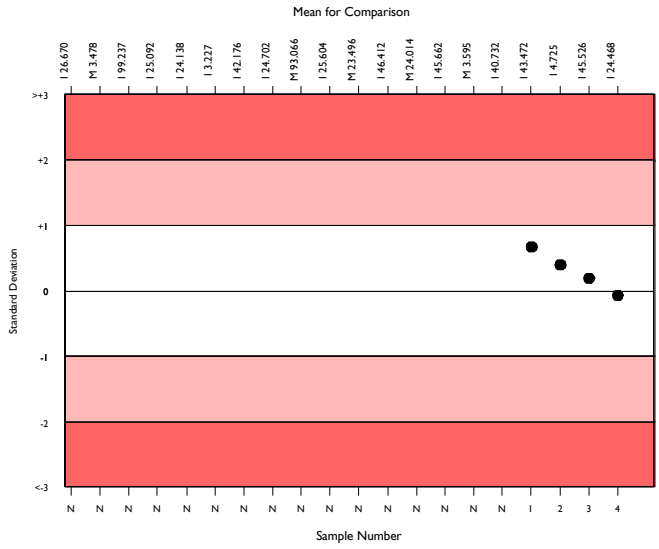
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	101	22.896	7.9	0.23	3.41	13
Enzymatic Colorimetric	88	22.913	7.6	0.23	3.41	13
Abbott Architect c systems	5	24.468	3.5	0.48	3.64	1

▲ Your Result	24.200	SDI	-0.07
		RMSDI	Too Few
Mean for Comparison	24.468	TS	120
		RMTS	Too Few
		%DEV	-1.1
		RM%DEV	Too Few

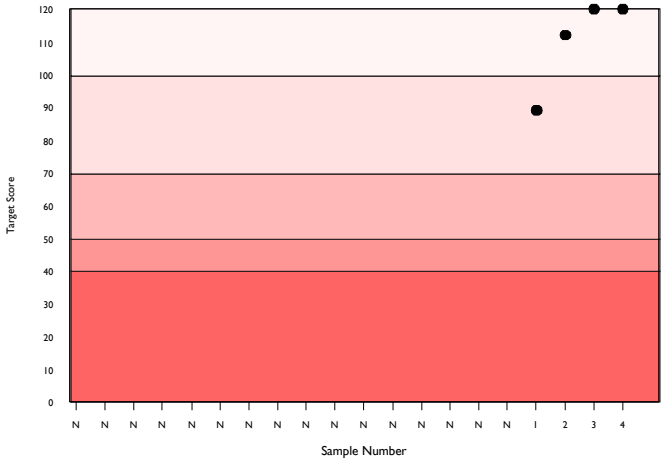
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.50%

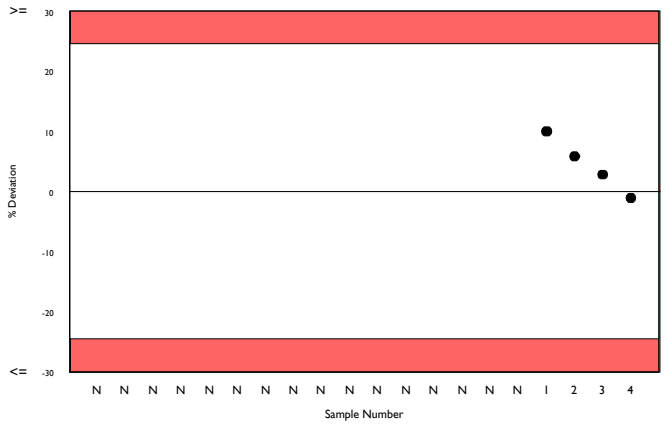


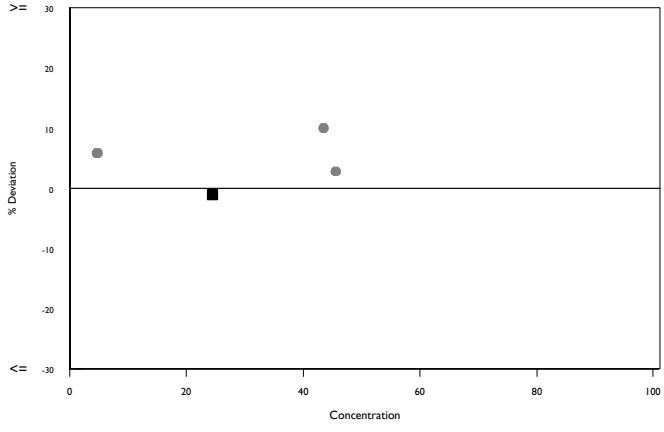
Method	N	Mean	CV%	U_m
Enzymatic Colorimetric	88	22.913	7.6	0.23
Enzymatic Colorimetric - Sentinel	13	22.780	10.0	0.79



TDPA = 24.5%





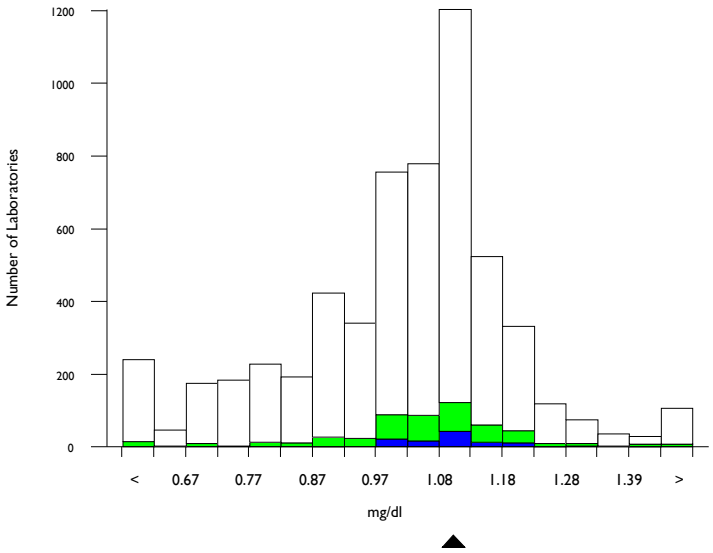


Bilirubin, Direct, mg/dl

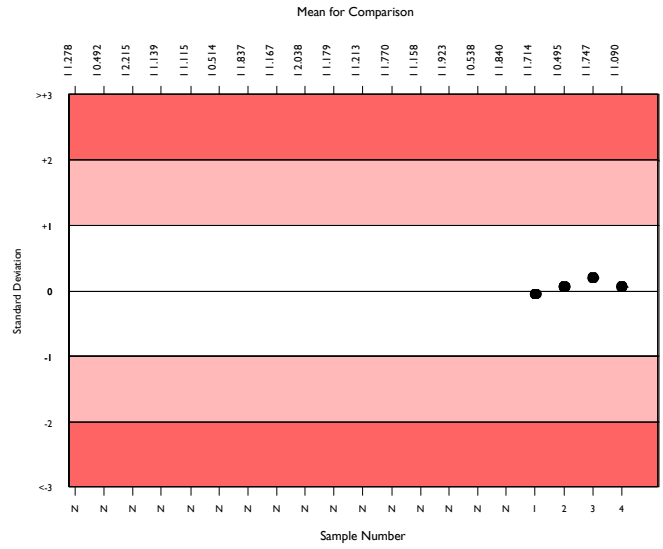
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5322	1.030	13.3	0.00	0.16	460
Diazo with Dichloroanaline	488	1.074	9.1	0.01	0.17	53
Abbott Architect c systems	102	1.090	5.3	0.01	0.17	7

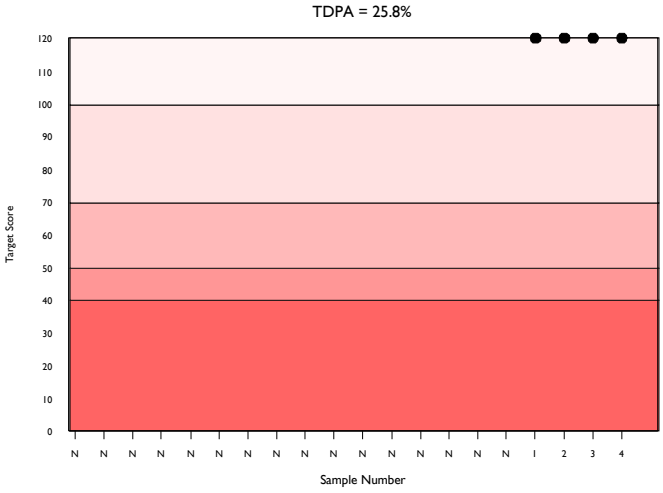
▲ Your Result	1.100	SDI	0.06
		RMSDI	Too Few
Mean for Comparison	1.090	TS	120
		RMTS	Too Few
		%DEV	0.9
		RM%DEV	Too Few

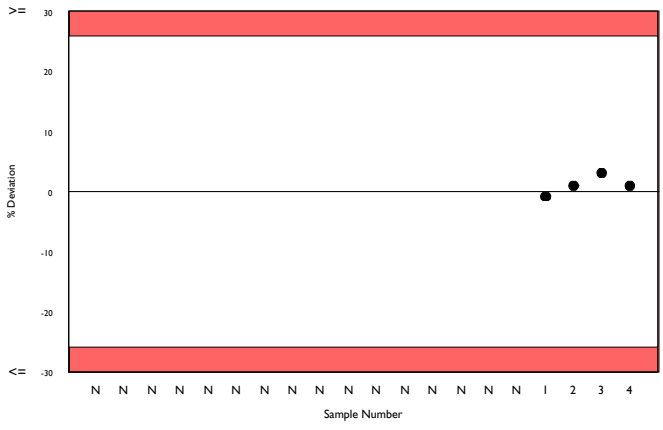
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.80%

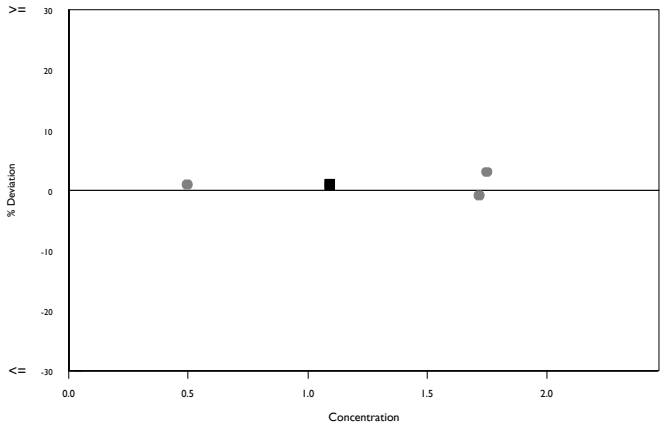


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	1896	1.022	14.9	0.00
Dichlorophenyl Diazonium	1478	1.087	7.3	0.00
Diazo with Dichloroanaline	488	1.074	9.1	0.01
Roche DPD JG standardised	359	1.103	5.1	0.00
Oxidation to Biliverdin/Vanadate	350	0.950	7.7	0.00
Diazo/ Sulphanilic Siemens Dimension	243	0.740	5.3	0.00
Roche DPD Doumas standardised	206	1.017	11.7	0.01
Diazo/Sulphanilic Beckman DxC	98	1.102	5.1	0.01
Agappe - DIAZO	55	0.566	10.3	0.01
Other Dry Chemistry	50	0.876	13.4	0.02
Direct Spectrophotometry	5	0.998	20.2	0.11
Roche (US calibrator only)	3	1.107	0.6	0.00







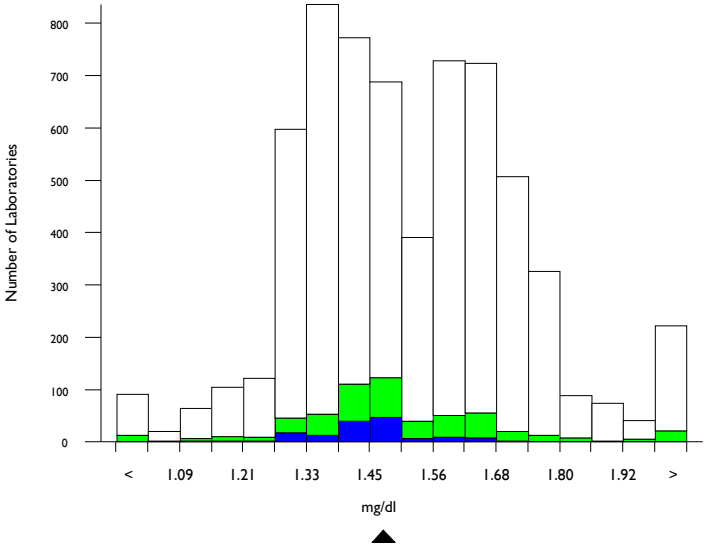


Bilirubin, Total, mg/dl

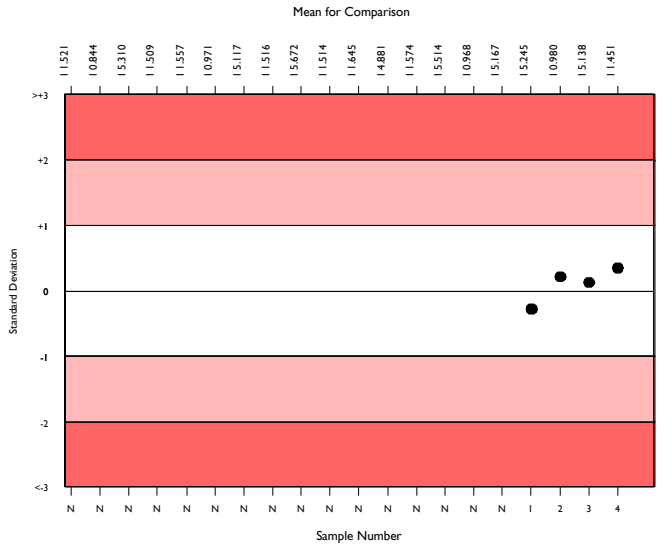
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5914	1.511	10.5	0.00	0.15	481
Diazo with Dichloroaniline	537	1.483	9.1	0.01	0.14	48
Abbott Architect c systems	139	1.451	6.1	0.01	0.14	7

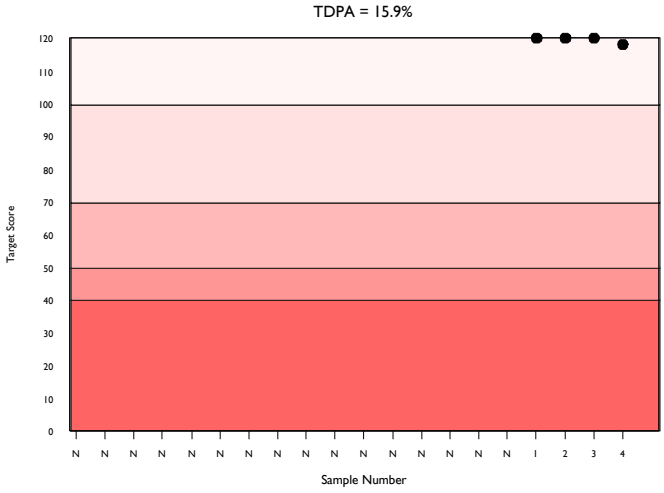
▲ Your Result	1.500	SDI	0.35
		RMSDI	Too Few
Mean for Comparison	1.451	TS	118
		RMTS	Too Few
		%DEV	3.4
		RM%DEV	Too Few

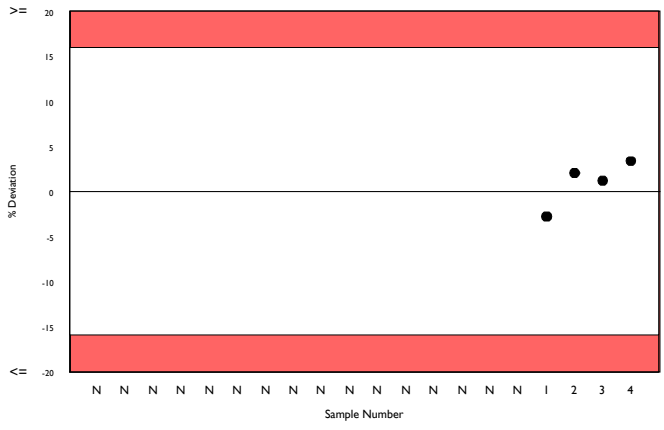
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.90%

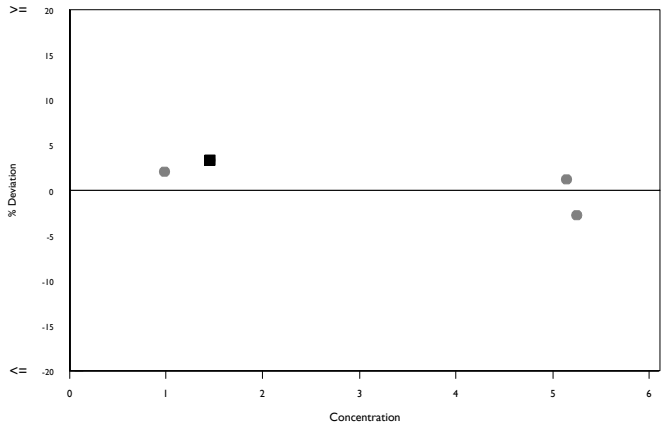


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2178	1.568	11.0	0.00
Dichlorophenyl Diazonium	1336	1.436	8.9	0.00
Diazo with Dichloroaniline	537	1.483	9.1	0.01
DPD (Beckman AU)	535	1.643	3.8	0.00
Diazonium ion	529	1.391	5.6	0.00
Oxidation to Biliverdin/Vanadate	372	1.632	6.0	0.01
Ortho Vitros MicroSlide System Total Bil	203	1.310	9.3	0.01
Other Dry Chemistry	53	1.435	7.0	0.02
Agappe - TAB	45	1.381	6.7	0.02
Nitrobenzenediazonium Salt	26	1.304	6.4	0.02
Abbott Alinity Total Bilirubin 2	15	1.401	2.6	0.01
Agappe - DMSO	9	1.370	4.1	0.02
Direct Spectrophotometry	8	1.619	17.2	0.12
Abbott Architect Total Bilirubin 2	8	1.396	9.2	0.06
Vitros DT60/DT60 II Total Bil	5	1.435	10.3	0.08
Assel - DMSO	2	1.465	8.2	0.11







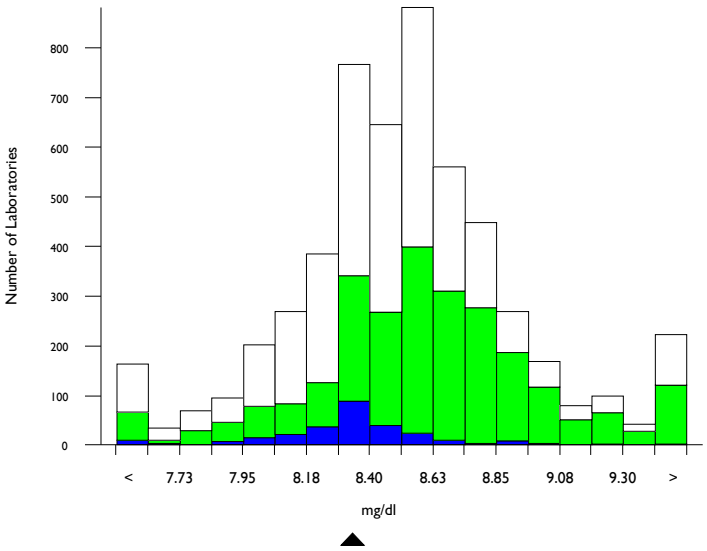


Calcium, mg/dl

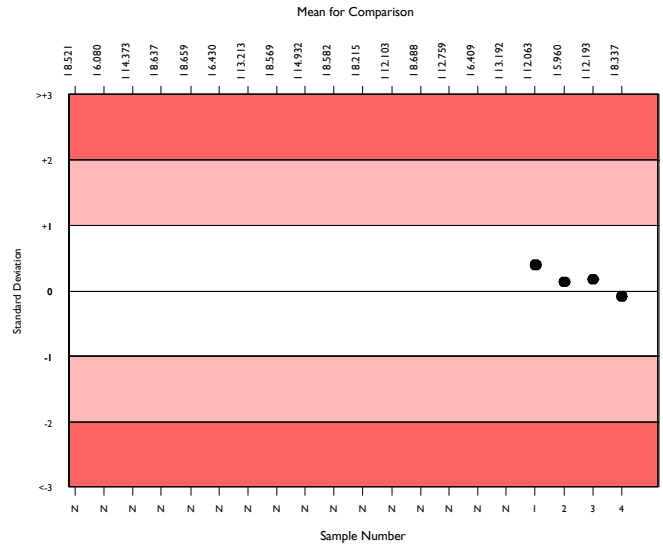
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4939	8.518	3.5	0.01	0.43	451
Arsenazo	2389	8.588	3.6	0.01	0.43	205
Abbott Architect c systems	242	8.337	2.2	0.01	0.42	27

Your Result	8.300	SDI	-0.09
		RMSDI	Too Few
Mean for Comparison	8.337	TS	120
		RMTS	Too Few
Reference Value	8.600	%DEV	-0.4
		RM%DEV	Too Few

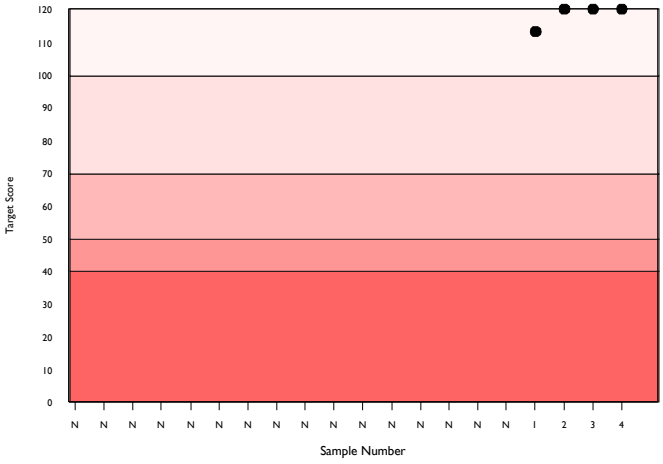
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%

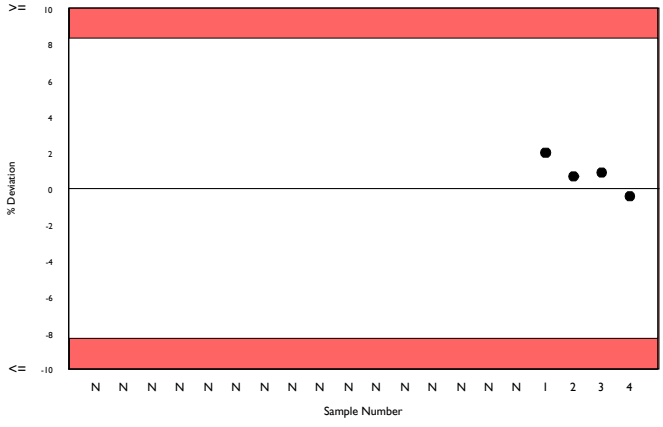


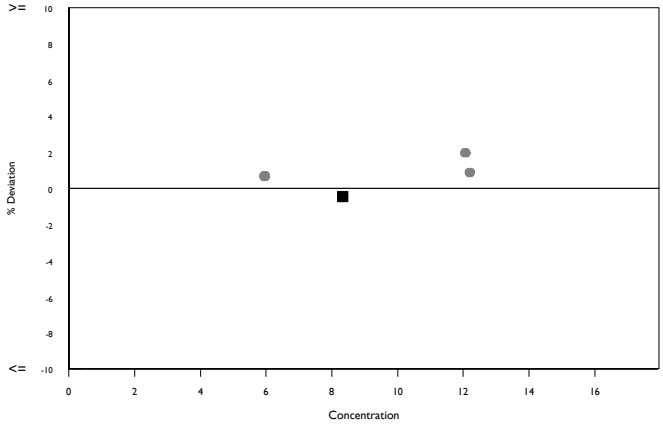
Method	N	Mean	CV%	U_m
Arsenazo	2389	8.588	3.6	0.01
Cresolphthalein complexone	1154	8.429	3.9	0.01
NM-BAPTA	934	8.494	2.2	0.01
Ortho Vitros MicroSlide Systems	224	8.322	2.8	0.02
Ion selective electrode	119	8.563	4.9	0.05
Agappe - ARSENAZO	44	9.225	5.3	0.09
Other Dry Chemistry	43	8.326	4.5	0.07
Phosphonazo	29	8.521	4.2	0.08
Methylthymol blue	12	8.547	4.5	0.14
Atomic absorption	5	8.476	0.9	0.04
Optical Emission Spectroscopy	3	9.467	3.4	0.23
Agappe - OCPC	3	8.850	5.7	0.36



TDPA = 8.3%





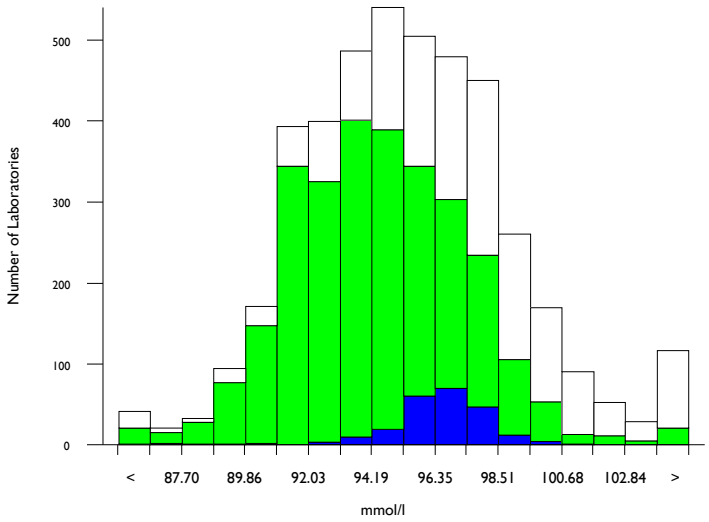


Chloride, mmol/l

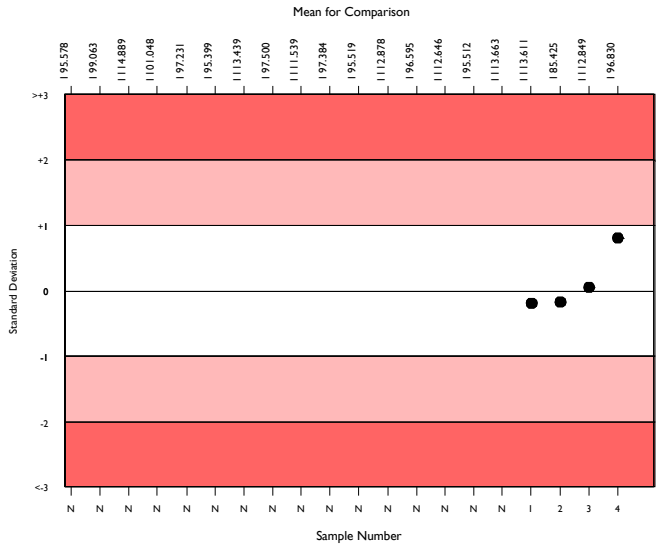
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4068	95.275	3.0	0.06	2.66	259
ISE, indirect	2717	94.513	2.7	0.06	2.64	119
Abbott Architect c systems	207	96.830	1.1	0.09	2.71	26

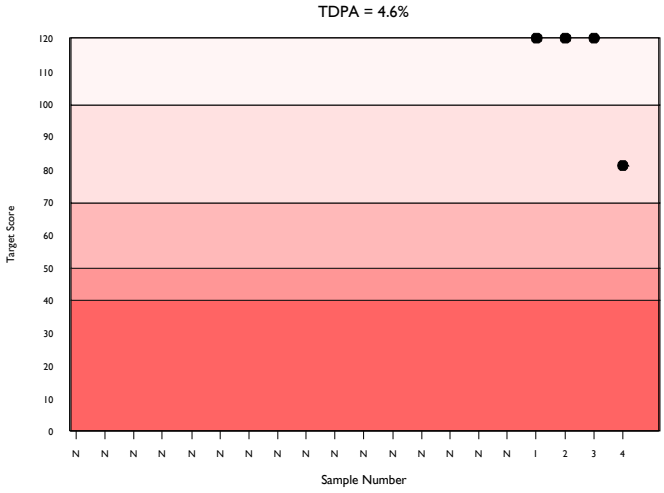
▲ Your Result	99.000	SDI	0.80
		RMSDI	Too Few
Mean for Comparison	96.830	TS	81
		RMTS	Too Few
		%DEV	2.2
		RM%DEV	Too Few

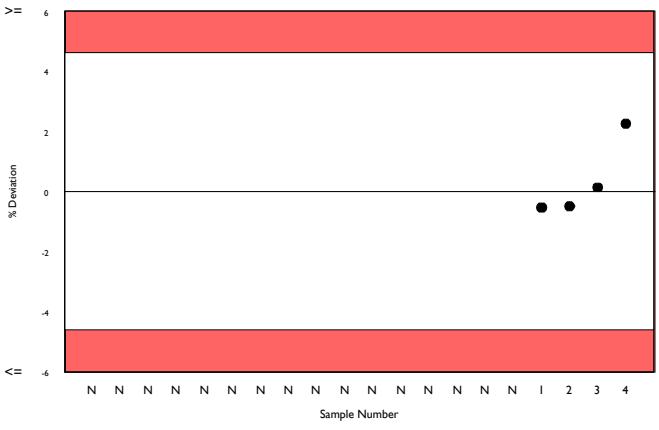
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.60%

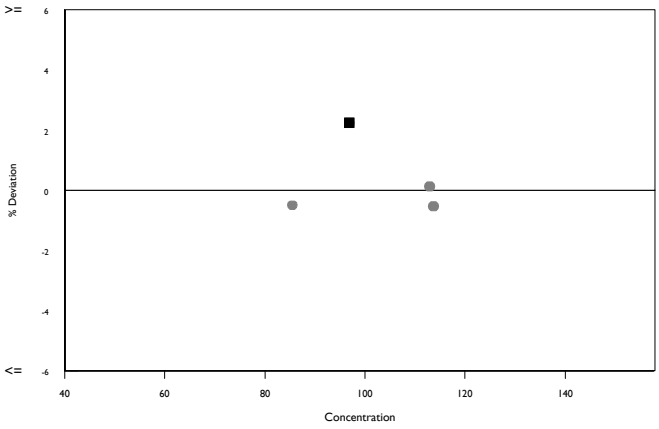


Method	N	Mean	CV%	U_m
ISE, indirect	2717	94.513	2.7	0.06
ISE, direct	1056	96.983	3.1	0.12
Ortho Vitros MicroSlide Systems	145	97.161	1.8	0.18
Colorimetric	107	99.142	3.2	0.38
Other Dry Chemistry	39	95.051	2.9	0.55
Agappe - THIOCYANATE	11	100.764	1.8	0.69
Optical Fluorescence	4	106.150	5.3	3.49







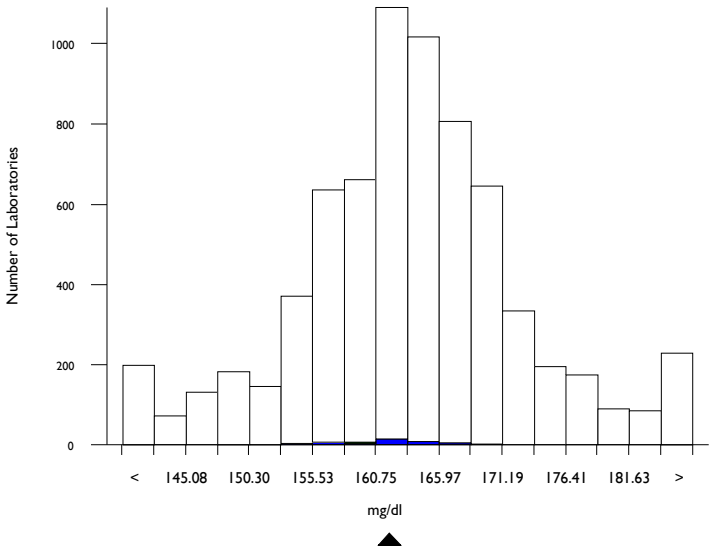


Cholesterol, mg/dl

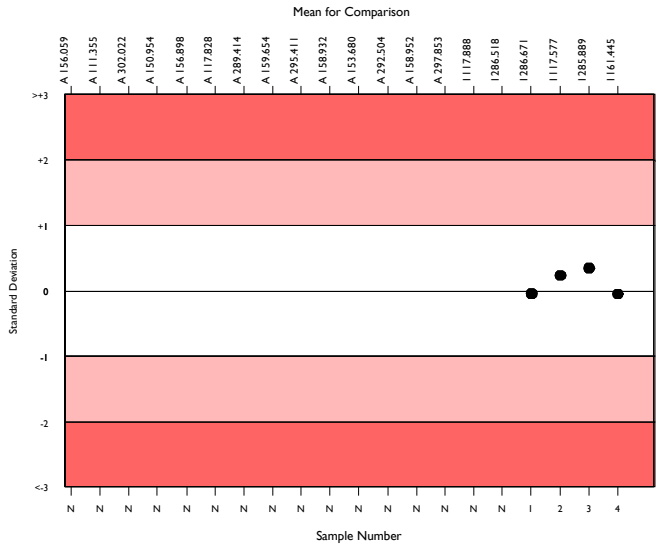
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6457	163.362	4.3	0.11	8.54	601
Abbott Architect Cholesterol 2	46	161.339	2.2	0.64	8.43	6
Abbott Architect c systems	44	161.445	2.2	0.66	8.44	6

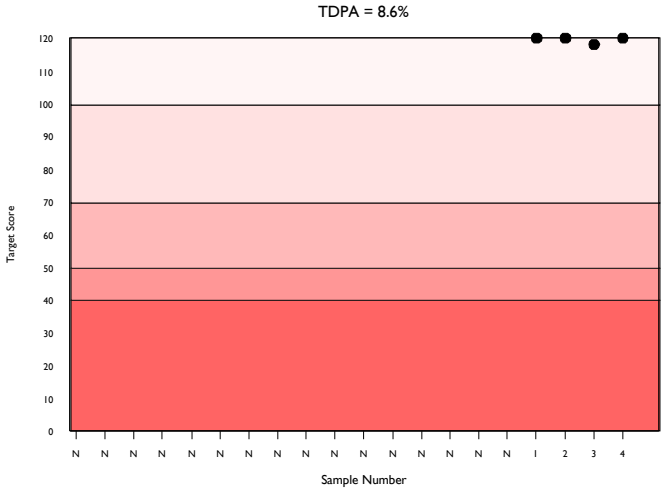
Your Result	161.000	SDI	-0.05
		RMSDI	Too Few
Mean for Comparison	161.445	TS	120
		RMTS	Too Few
Reference Value	167.308	%DEV	-0.3
		RM%DEV	Too Few

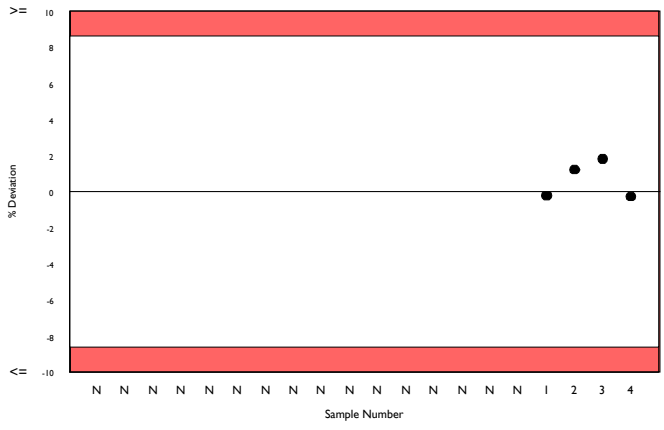
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.60%

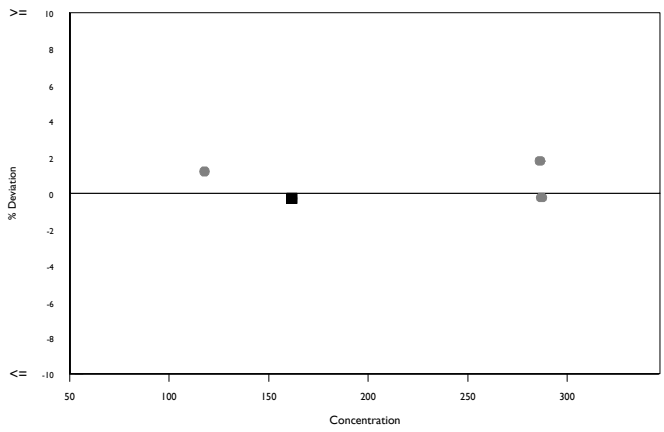


Method	N	Mean	CV%	U_m
Cholesterol Oxidase - Abell Kendall	4682	163.766	4.1	0.12
Cholesterol Oxidase - IDMS	895	165.153	3.3	0.23
Ortho Vitros MicroSlide Systems	237	161.051	3.4	0.45
Siemens Dimension	228	148.666	4.0	0.50
Cholesterol Dehydrogenase	144	164.901	4.3	0.74
Agappe - CHOD-PAP	79	158.261	4.4	0.98
Abbott Alinity Cholesterol 2	61	161.324	1.5	0.39
Other Dry Chemistry	51	161.942	4.5	1.27
Abbott Architect Cholesterol 2	46	161.339	2.2	0.64
Dimension - non Siemens reagents	2	161.923	2.3	3.36







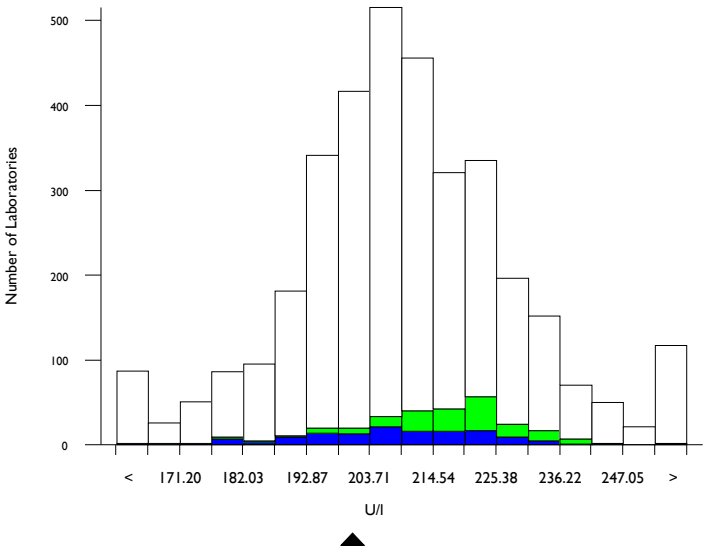


CK, Total, U/l @ 37°C

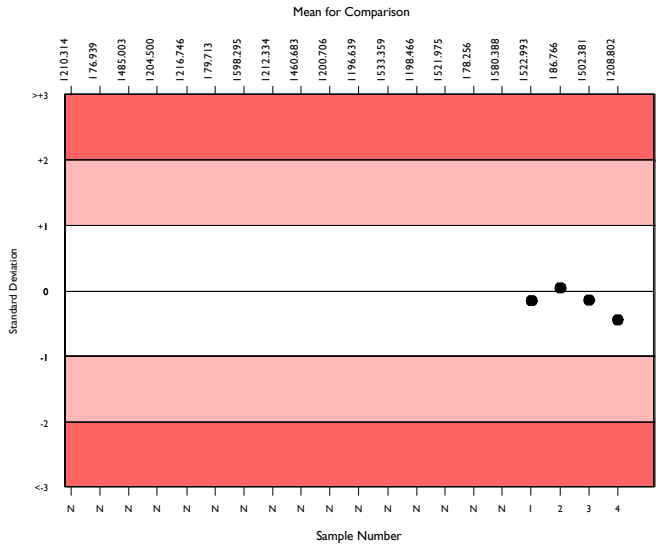
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3232	209.130	6.9	0.32	15.26	284
Abbott CK-NAC (IFCC)	274	214.593	5.6	0.91	15.66	21
Abbott Architect c systems	130	208.802	6.5	1.48	15.23	6

▲ Your Result	202.000	SDI	-0.45
		RMSDI	Too Few
Mean for Comparison	208.802	TS	107
		RMTS	Too Few
		%DEV	-3.3
		RM%DEV	Too Few

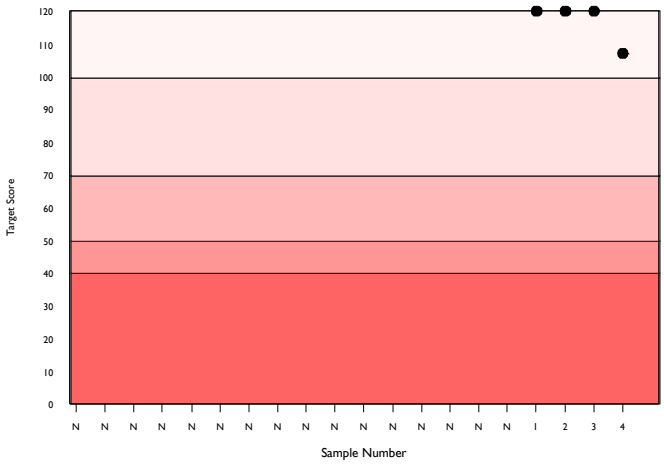
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.00%

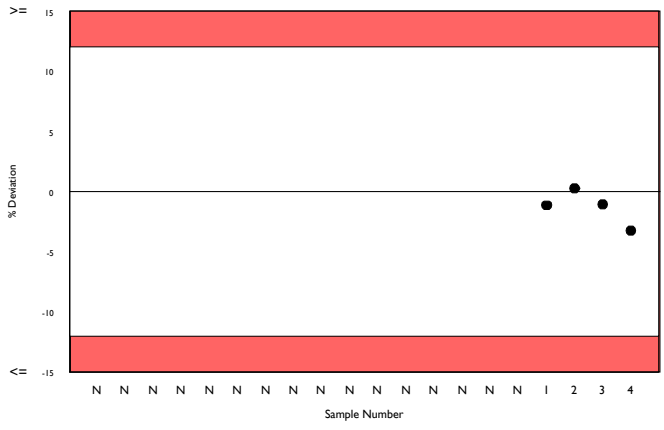


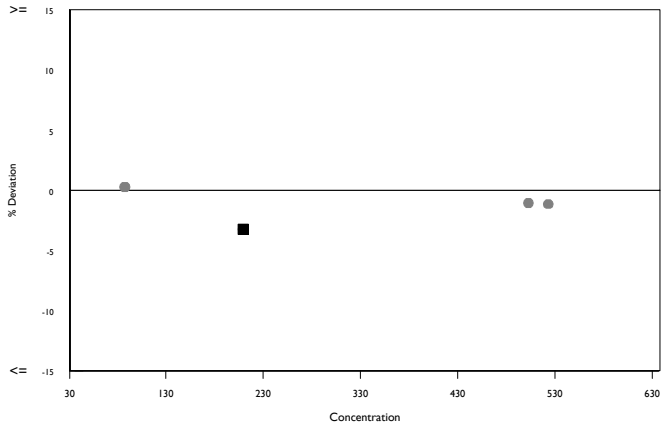
Method	N	Mean	CV%	U_m
CK-NAC (IFCC)	1870	206.271	6.3	0.38
Beckman CK-NAC (IFCC)	448	220.571	4.8	0.63
Abbott CK-NAC (IFCC)	274	214.593	5.6	0.91
Ortho Vitros MicroSlide Systems	158	196.571	9.2	1.80
CK-NAC substrate start (DGKC)	155	206.511	8.1	1.67
Creatine phosphate substrate start	93	203.746	6.2	1.63
CK-NAC serum start (DGKC)	95	203.222	7.9	2.05
Monothioglycerol	53	223.917	5.8	2.25
Agappe - IFCC/KINETIC	32	205.109	3.4	1.55
Other Dry Chemistry	24	303.792	6.1	4.76
Beckman CK-NAC (Extinction Coeff)	15	221.093	5.6	4.00
Dithioerythritol (DTE), IFCC correlated	9	192.856	15.1	12.12



TDPA = 12%





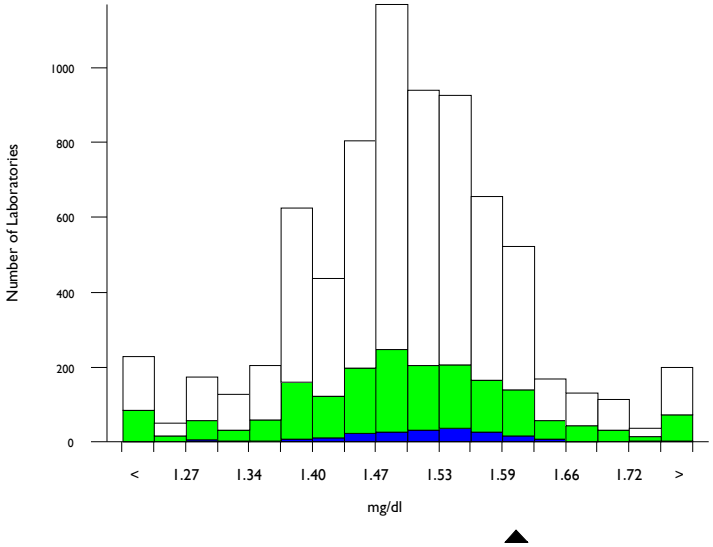


Creatinine, mg/dl

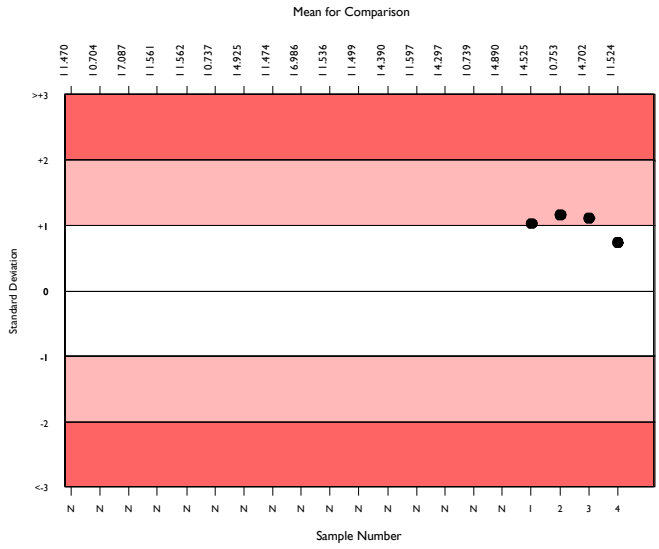
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6950	1.503	5.7	0.00	0.12	551
Alkaline picrate no deproteinisation	1735	1.502	6.3	0.00	0.12	168
Abbott Architect c systems	181	1.524	4.0	0.01	0.12	15

Your Result	1.610	SDI	0.73
		RMSDI	Too Few
Mean for Comparison	1.524	TS	85
		RMTS	Too Few
Reference Value	1.566	%DEV	5.6
		RM%DEV	Too Few

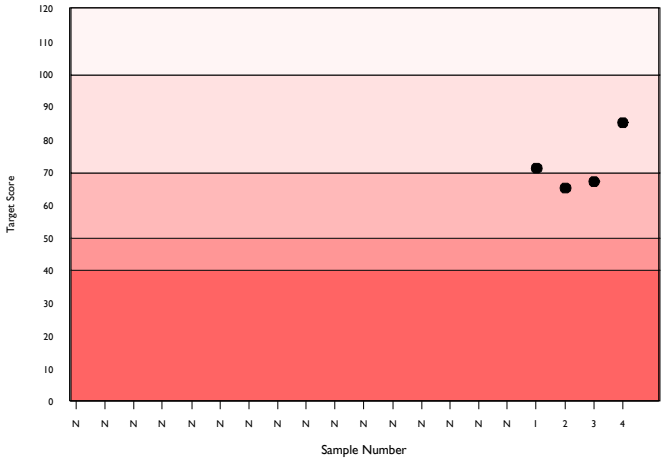
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%

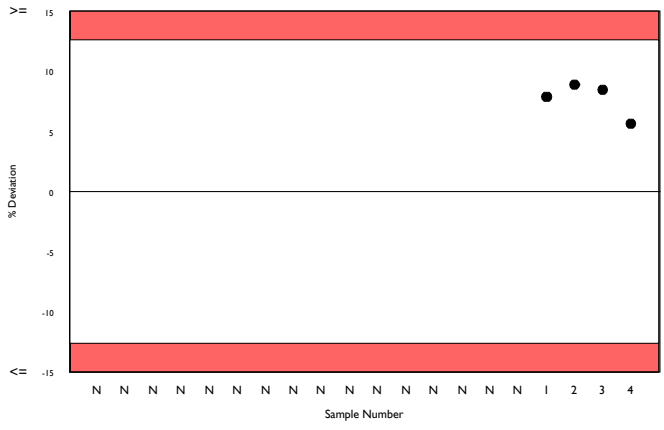


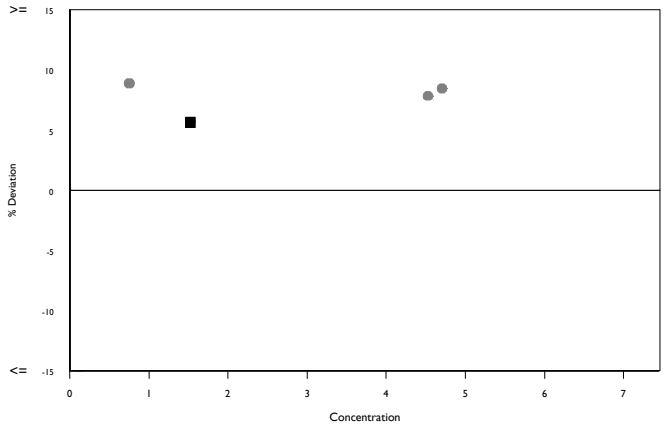
Method	N	Mean	CV%	U_m
Alkaline picrate no deproteinisation	1735	1.502	6.3	0.00
Jaffe rate blanked	1628	1.494	6.1	0.00
Jaffe rate blanked comp. (-26umol/l)	827	1.512	4.6	0.00
Enzymatic UV method (340nm)	364	1.520	4.4	0.00
Jaffe rate comp. (-18umol/l)	369	1.475	5.2	0.01
Roche Creatinine Plus	342	1.549	3.2	0.00
IDMS traceable	340	1.489	5.8	0.01
Other enzymatic methods	321	1.508	4.3	0.00
Creatinine PAP method	306	1.515	4.5	0.00
Vitros, IDMS traceable	178	1.490	3.8	0.01
Alkaline picrate with deproteinisation	154	1.517	5.1	0.01
Other Dry Chemistry	74	1.434	5.4	0.01
Agappe - JAFFE'S KINETIC	60	1.517	6.7	0.02
Jaffe rate blanked comp. (-33umol/l)	44	1.468	7.3	0.02
Abbott Architect Creatinine 2	37	1.507	4.2	0.01
Vitros DT60/DT60 II/DTSC II	34	1.471	2.7	0.01
Abbott Alinity Creatinine 2	32	1.533	4.0	0.01
Agappe - ENZYMATIC	25	1.503	8.0	0.03



TDPA = 12.6%





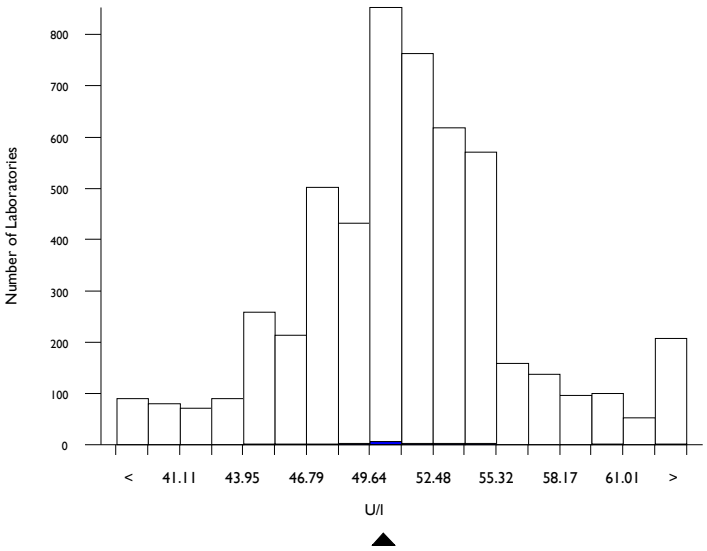


GGT, U/l @ 37°C

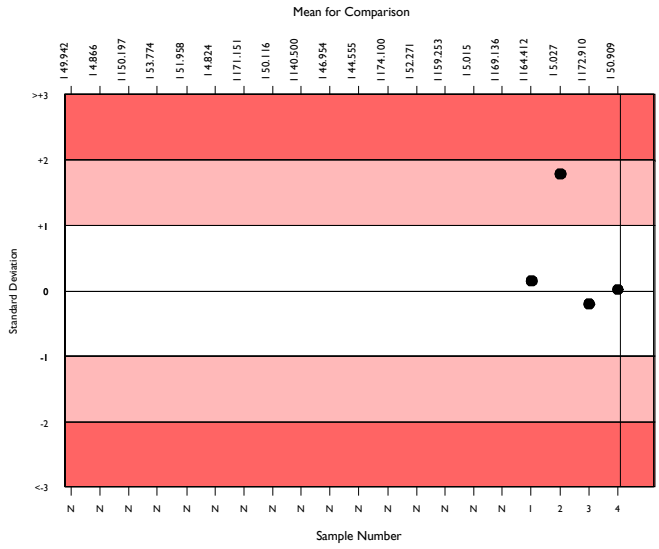
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4851	51.063	7.4	0.07	5.56	438
Abbott Architect GGT 2	22	50.909	4.4	0.60	5.54	4
Abbott Architect c systems	22	50.909	4.4	0.60	5.54	4

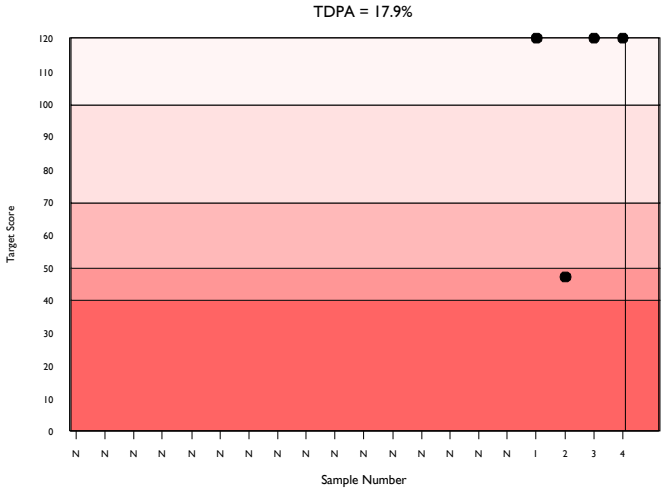
Your Result	51.000	SDI	0.02
		RMSDI	Too Few
Mean for Comparison	50.909	TS	120
		RMTS	Too Few
		%DEV	0.2
		RM%DEV	Too Few

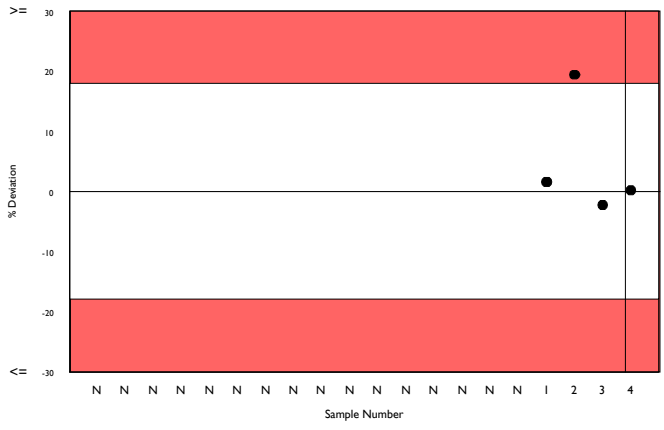
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.90%

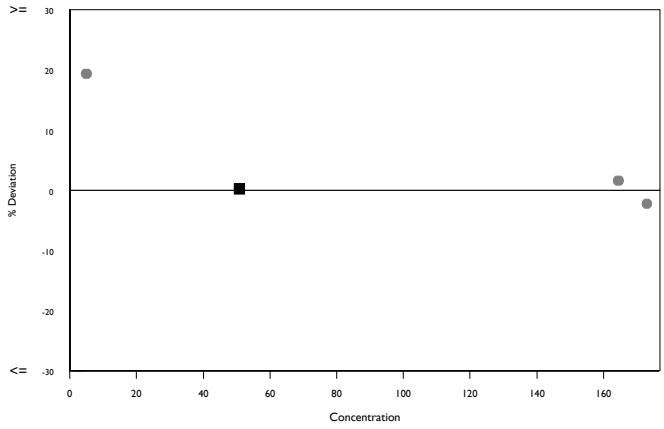


Method	N	Mean	CV%	U_m
Gamma glut'3-carb'4-nitro(IFCC)	3210	51.217	5.8	0.07
Gamma glut.-3-carb.-4-nitro.	829	49.103	7.5	0.16
Ortho Vitros MicroSlide Systems	166	59.410	4.0	0.23
Siemens Dimension	170	62.745	8.0	0.48
Gamma glutamyl-4-nitroanilide	105	48.525	9.8	0.58
DCL, gamma glut.-3-carb.-4-nitro.	100	50.238	5.9	0.37
Abbott Alinity GGT 2	77	49.888	3.9	0.27
Beckman Szasz (Extinction Coeff.)	68	50.740	6.6	0.51
Agappe - SZASZ KINETIC	54	54.817	5.3	0.50
Other Dry Chemistry	47	44.306	7.5	0.61
Abbott Architect GGT 2	22	50.909	4.4	0.60
Randox Colorimetric	5	48.258	7.4	2.00
Vitros, DT60/DT60 II/DTSC II	3	55.923	16.1	6.51







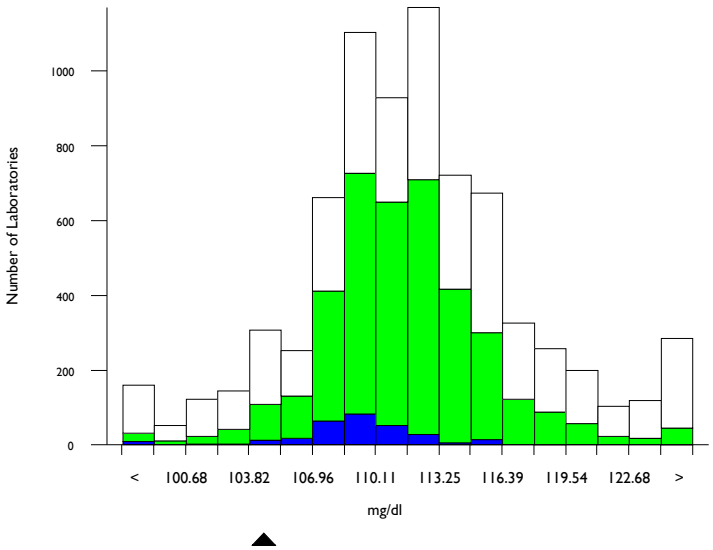


Glucose, mg/dl

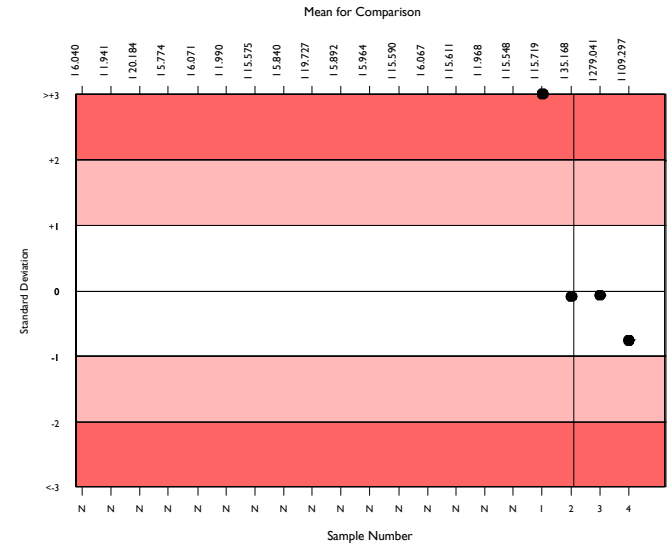
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6915	111.683	3.8	0.06	5.77	661
Hexokinase	3624	111.241	2.7	0.06	5.75	285
Abbott Architect c systems	260	109.297	1.9	0.16	5.65	34

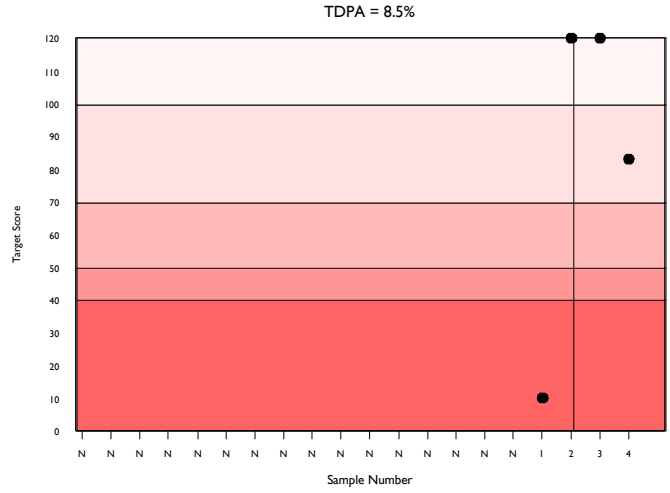
Your Result	105.000	SDI	-0.76
		RMSDI	Too Few
Mean for Comparison	109.297	TS	83
		RMTS	Too Few
Reference Value	110.714	%DEV	-3.9
		RM%DEV	Too Few

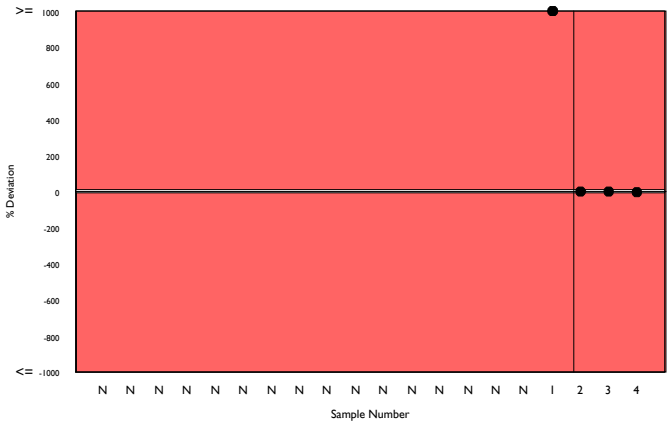
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%

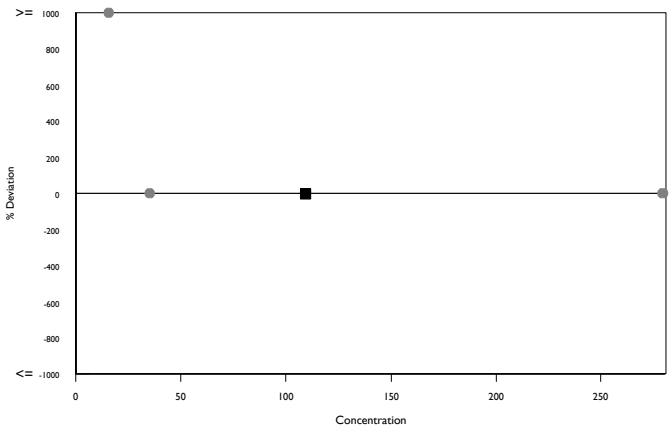


Method	N	Mean	CV%	U_m
Hexokinase	3624	111.241	2.7	0.06
Glucose oxidase	2915	112.352	5.4	0.14
Ortho Vitros MicroSlide Systems	234	112.116	2.8	0.26
Agappe - GOD-PAP	79	116.300	3.8	0.62
Glucose dehydrogenase	67	112.821	3.7	0.63
Other Dry Chemistry	46	113.326	3.3	0.69
GOD/02-Beckman method	33	112.624	3.3	0.80
Oxygen electrode	10	109.418	3.2	1.40
Pyranose Oxidase / Peroxidase	3	114.120	8.3	6.80







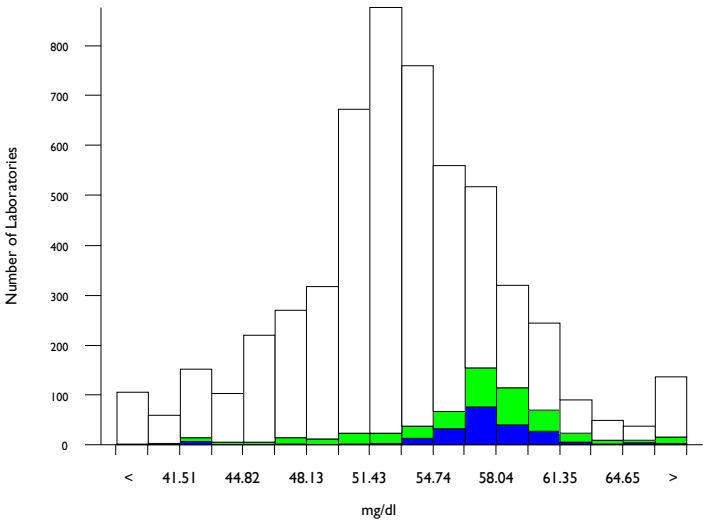


HDL-Cholesterol, mg/dl

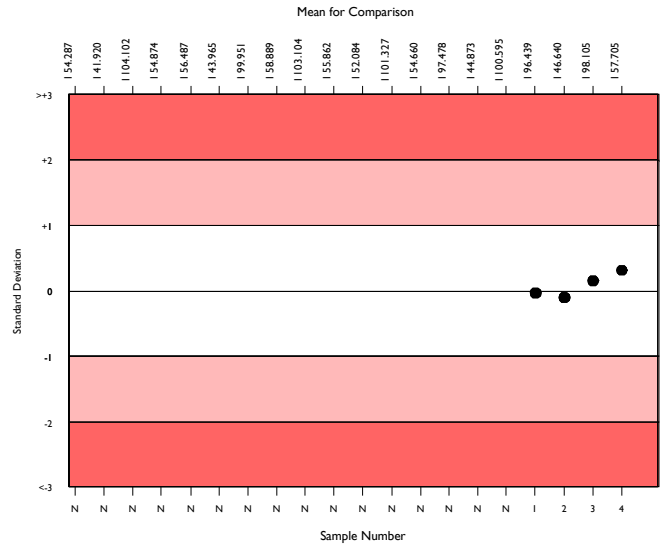
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5075	53.090	8.3	0.08	6.81	409
HDL Ultra/Accel Selective Detergent	558	57.212	6.2	0.18	7.34	47
Abbott Architect c systems	194	57.705	3.4	0.17	7.40	22

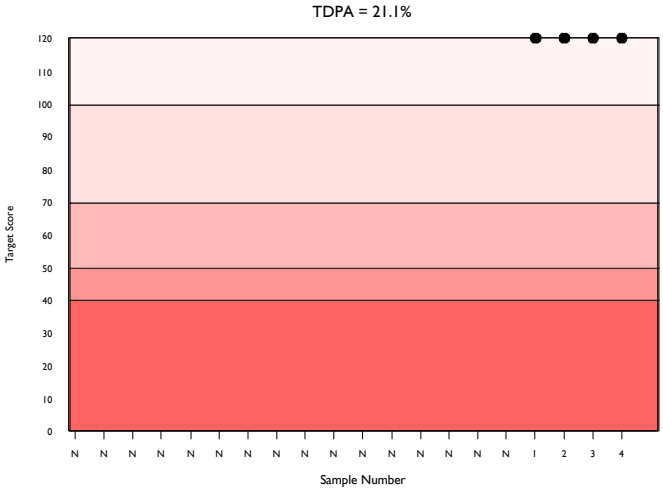
▲ Your Result	60.000	SDI	0.31
		RMSDI	Too Few
Mean for Comparison	57.705	TS	120
		RMTS	Too Few
		%DEV	4.0
		RM%DEV	Too Few

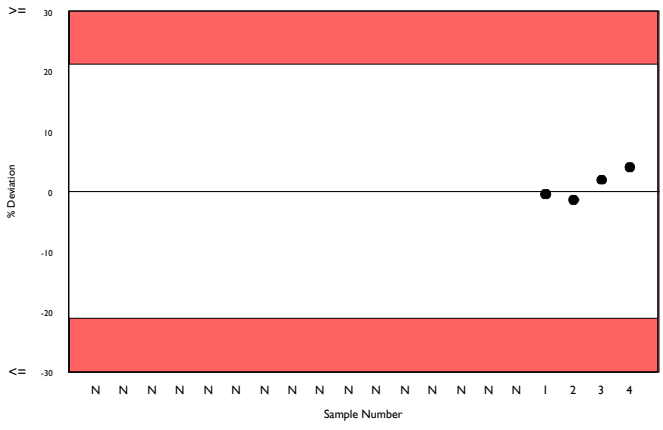
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.10%

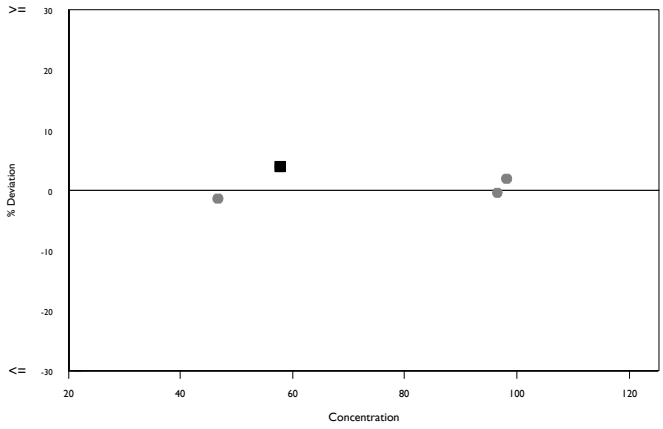


Method	N	Mean	CV%	U_m
Direct HDL, Roche 4th gen.	1318	53.139	3.5	0.06
Direct HDL, Clearance method	1044	50.625	11.3	0.22
Direct HDL, Immunoseparation	925	51.181	7.4	0.15
HDL Ultra/Accel Selective Detergent	558	57.212	6.2	0.18
Direct HDL, PEGME	501	52.788	11.2	0.33
Direct HDL, PPD	351	54.481	8.2	0.30
Vitros dHDL, PTA/MgCl2 direct precip.	177	56.013	4.8	0.25
Agappe - SELECTIVE INHIBITION	62	54.933	4.4	0.38
Other Dry Chemistry	60	57.089	6.2	0.57
Vitros, Magnetic HDL	22	56.038	7.4	1.11
Vitros 5.1 FS Microtip assay	11	56.436	2.9	0.62







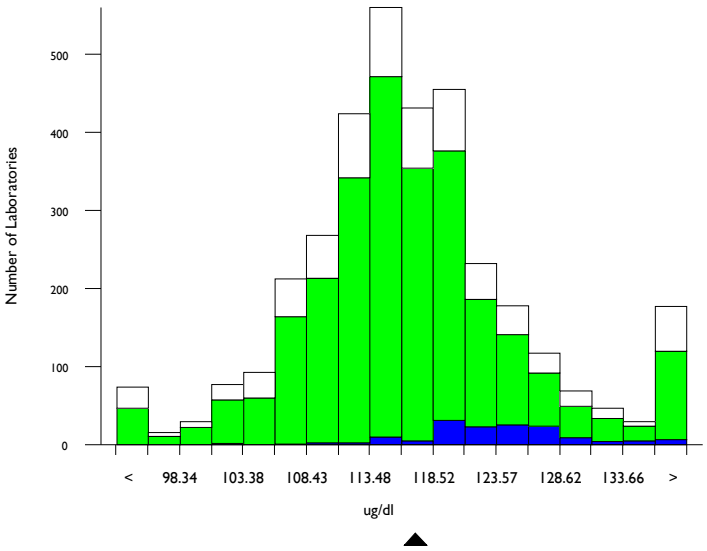


Iron, ug/dl

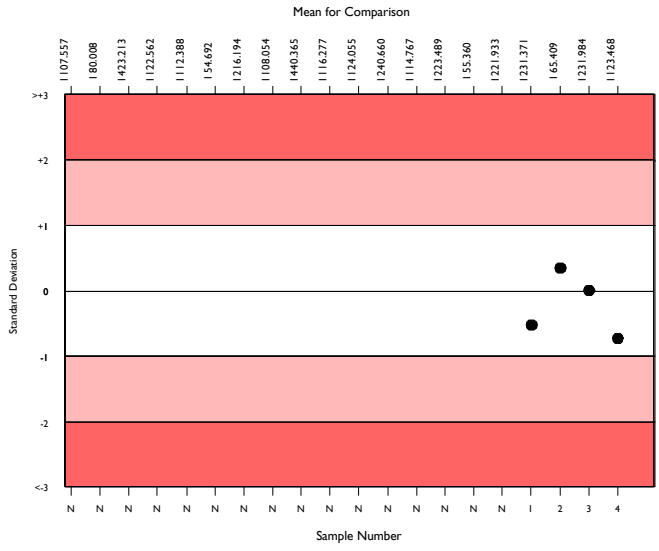
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3203	116.005	5.8	0.15	7.05	287
Colorimetric without ppt.	2547	116.067	5.5	0.16	7.06	217
Abbott Architect c systems	138	123.468	3.9	0.52	7.51	15

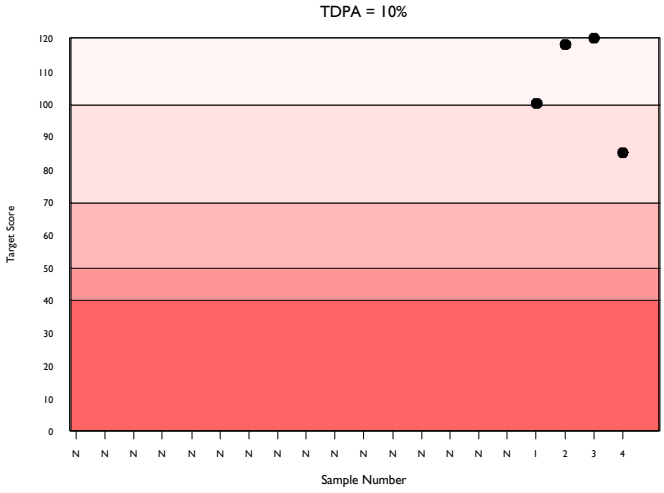
Your Result	118.000	SDI	-0.73
		RMSDI	Too Few
Mean for Comparison	123.468	TS	85
		RMTS	Too Few
		%DEV	-4.4
		RM%DEV	Too Few

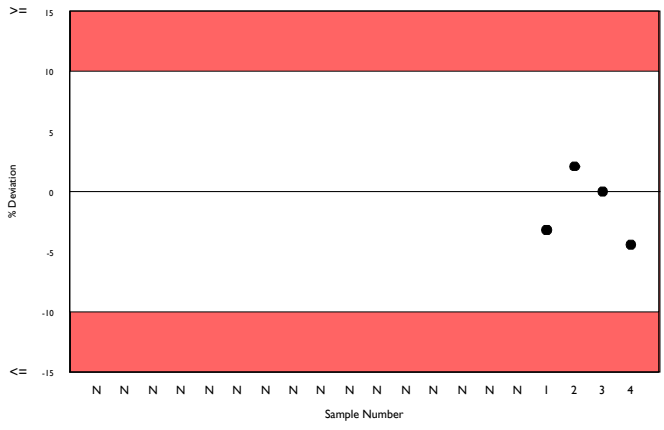
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.00%

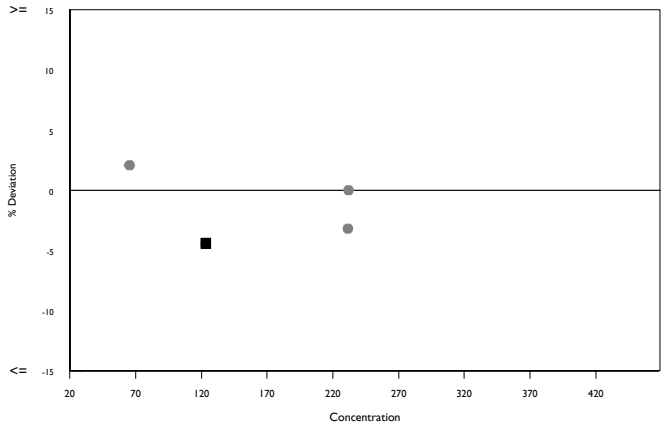


Method	N	Mean	CV%	U_m
Colorimetric without ppt.	2547	116.067	5.5	0.16
Colorimetric with ppt.	383	115.518	6.1	0.45
Ortho Vitros MicroSlide Systems	159	113.129	7.6	0.85
Other method with blank	28	115.078	6.9	1.87
Abbott Alinity Iron 2	24	122.651	3.4	1.06
Agappe - CHROMAZUROL	21	150.773	2.2	0.89
Abbott Architect Iron 2	13	123.121	3.1	1.34
Other Dry Chemistry	10	111.672	5.4	2.37
Other method without blank	11	118.544	4.8	2.13
Optical Emission Spectroscopy	8	111.604	12.4	6.13







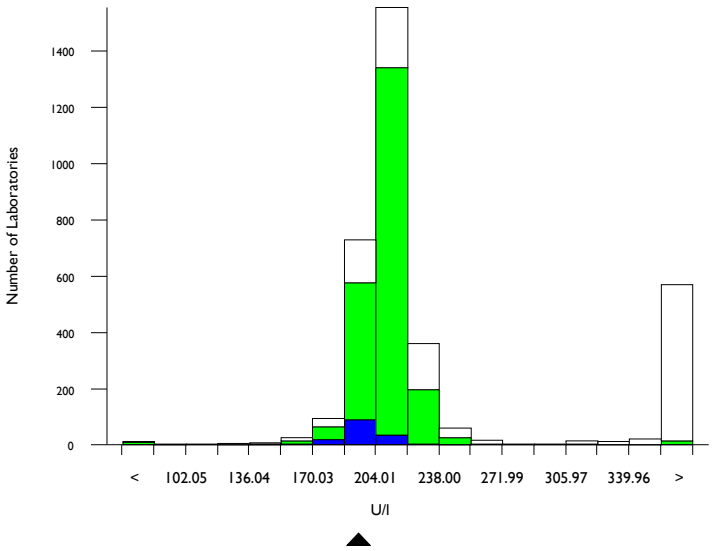


LD (LDH), U/l @ 37°C

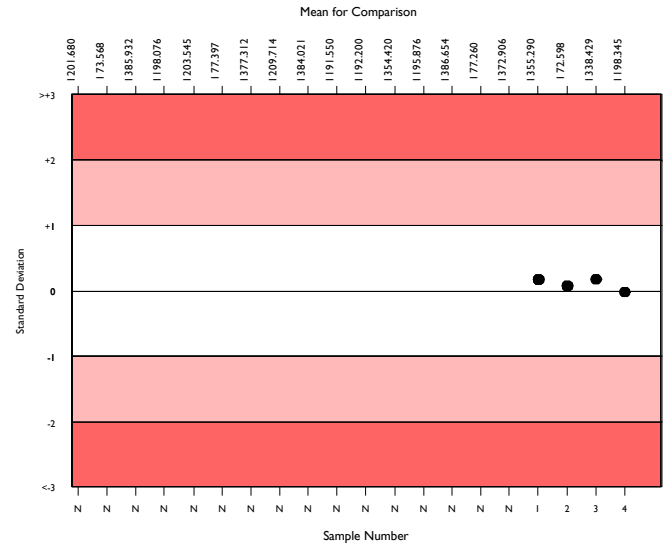
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3071	221.011	20.5	1.02	17.20	424
L to P, IFCC	2076	209.036	4.2	0.24	16.27	183
Abbott Architect c systems	136	198.345	4.3	0.91	15.43	14

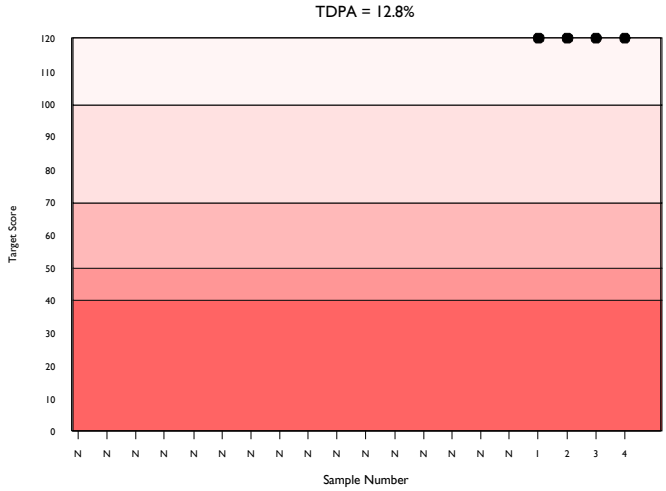
▲ Your Result	198.000	SDI	-0.02
		RMSDI	Too Few
Mean for Comparison	198.345	TS	120
		RMTS	Too Few
		%DEV	-0.2
		RM%DEV	Too Few

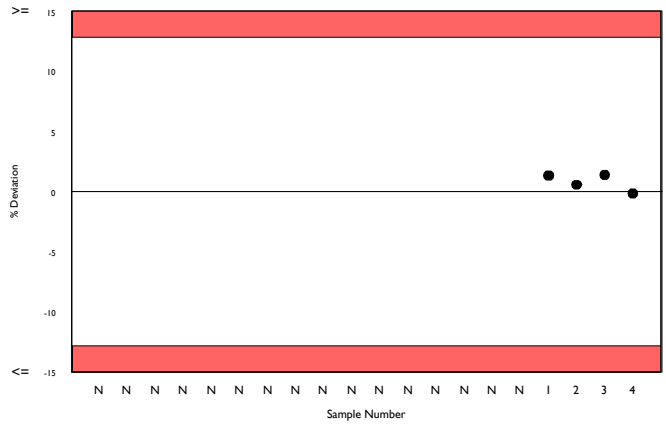
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.80%

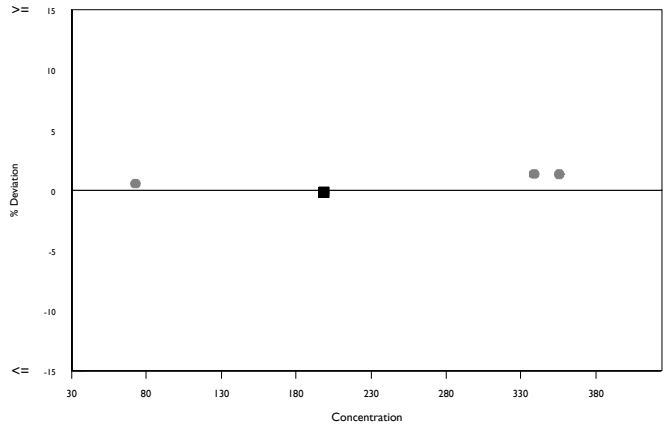


Method	N	Mean	CV%	U_m
L to P, IFCC	2076	209.036	4.2	0.24
P to L, German methods	304	409.245	9.1	2.68
Lactate to Pyruvate methods	204	206.520	6.1	1.10
Ortho Vitros IFCC Traceable	116	232.082	2.7	0.73
P to L, Scandinavian & Dutch	101	428.969	5.7	3.03
P to L, SFBC / SEQC	90	415.281	7.5	4.11
L to P Siemens/Dade, Non-IFCC	64	206.280	4.0	1.30
L to P Beckman (Extinction Coeff)	60	206.095	5.5	1.83
Ortho Vitros MicroSlide Systems	42	233.258	3.3	1.50
Agappe - SCE	35	451.224	4.1	3.95
Other Dry Chemistry	26	195.385	3.3	1.60
Abbott Alinity LD 2	22	200.959	4.7	2.52
Abbott Architect LD 2	11	198.738	3.6	2.71
Pyruvate 1.4 mM - Beckman LD-P	6	197.800	13.5	13.67







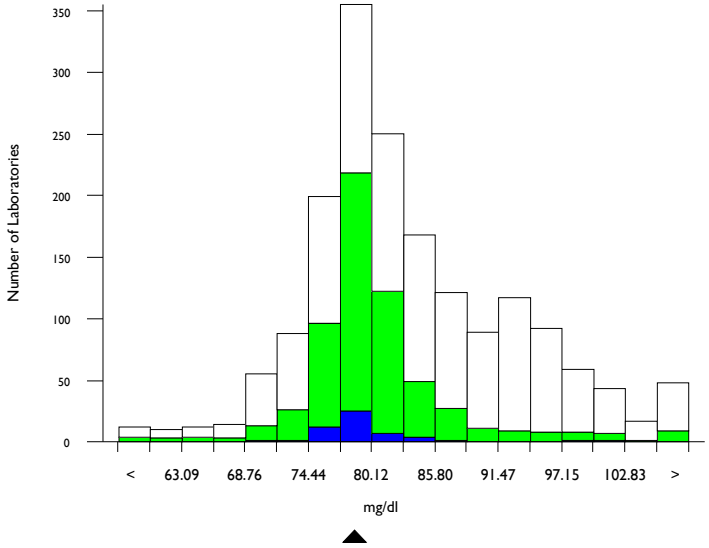


LDL-Cholesterol (Pilot), mg/dl

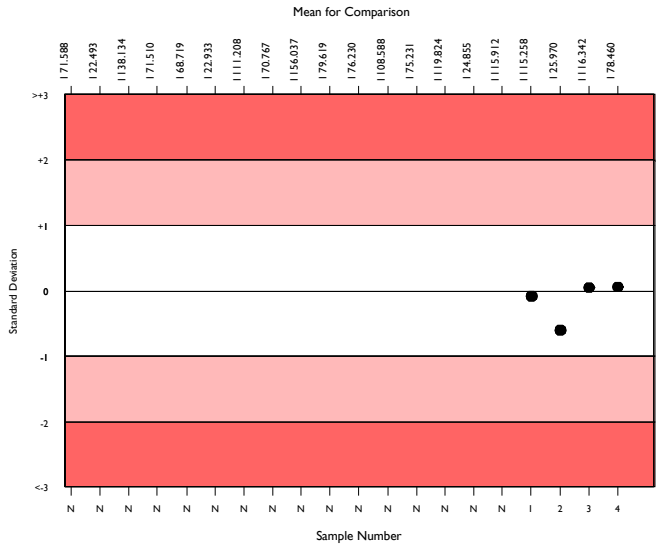
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1634	82.962	9.1	0.23	10.39	115
Selective detergent methods	561	79.547	4.6	0.19	9.96	57
Abbott Architect c systems	47	78.460	2.8	0.40	9.82	6

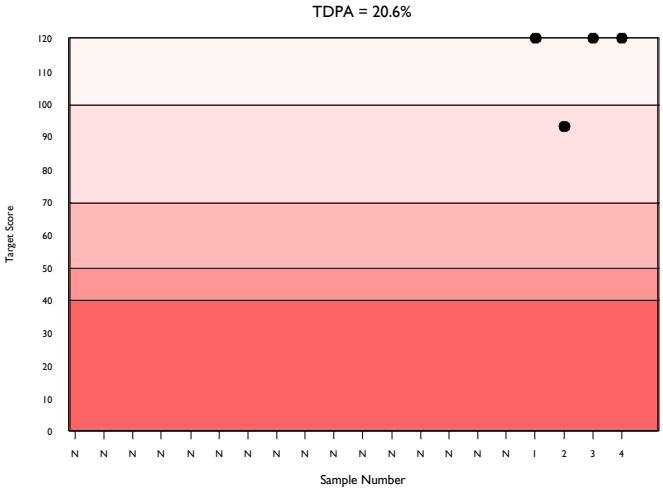
Your Result	79.000	SDI	0.05
		RMSDI	Too Few
Mean for Comparison	78.460	TS	120
		RMTS	Too Few
		%DEV	0.7
		RM%DEV	Too Few

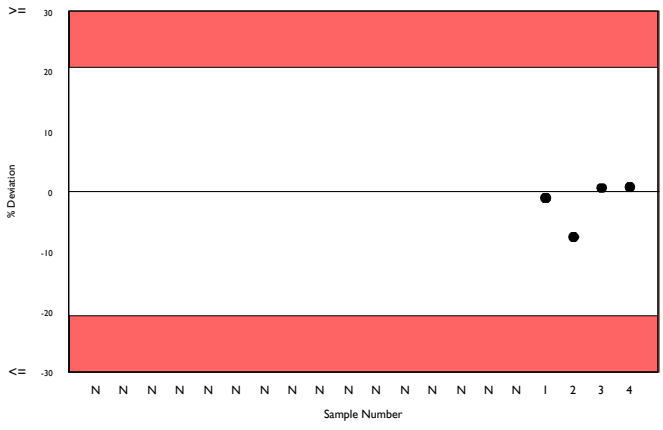
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%

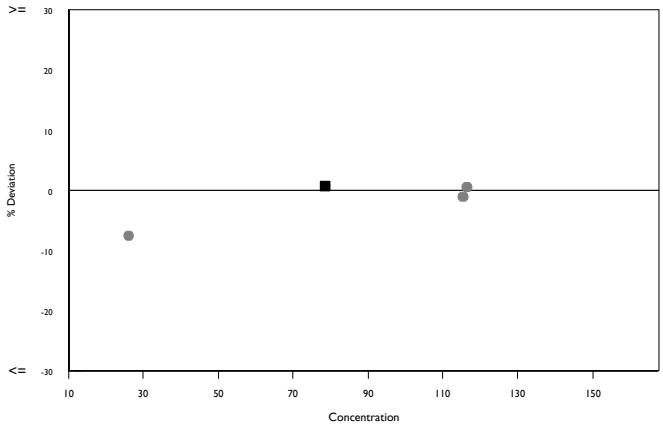


Method	N	Mean	CV%	U_m
Selective detergent methods	561	79.547	4.6	0.19
Other direct methods	565	81.923	8.0	0.34
Sel.detergent Beckman OSR6x83	187	94.245	5.1	0.44
Calculated	142	88.383	7.6	0.70
Sel.detergent Beckman OSR6x96	34	77.273	12.7	2.11
Agappe - SELECTIVE SOLUBILISATION	27	85.855	10.6	2.18
Ortho Vitros MicroSlide Systems	24	73.099	4.7	0.87
Other Precipitation methods	17	85.030	9.6	2.47
Polyvinyl Sulphate Precipitation	12	84.731	10.7	3.27
Heparin precipitation	11	73.009	10.3	2.83
Other Dry Chemistry	10	81.667	12.9	4.17
Zwitterionic Detergent	3	91.026	30.7	20.18
Siemens Atellica LDLC	3	79.667	8.1	4.63







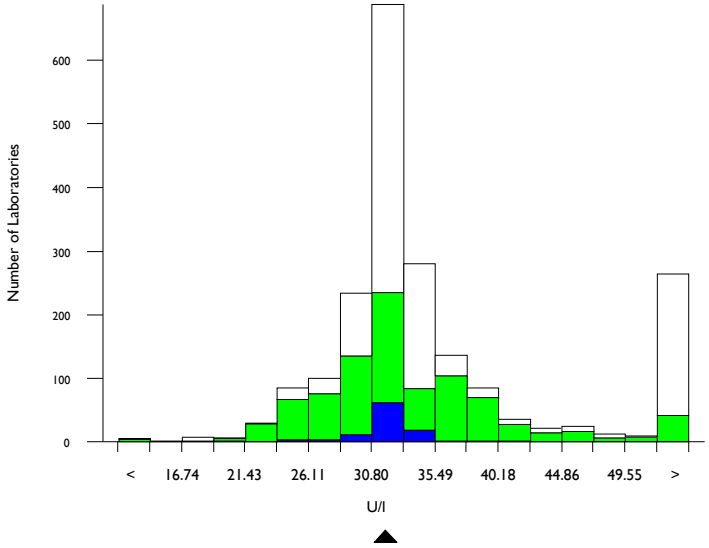


Lipase, U/l @ 37°C

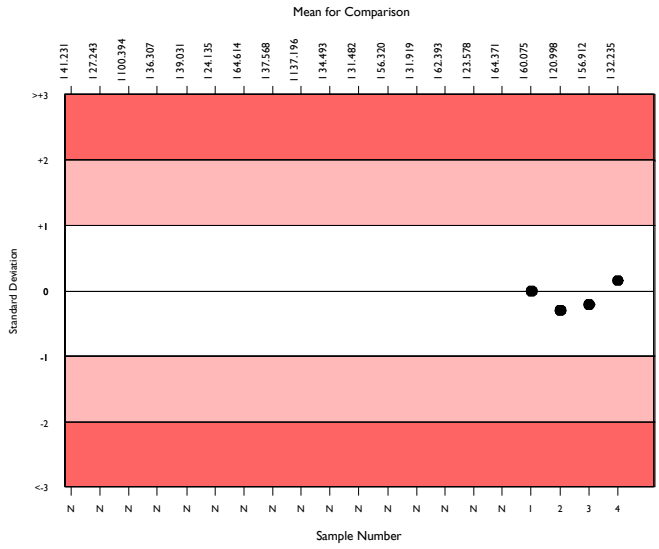
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1791	33.150	18.9	0.18	5.18	228
Other Colorimetric	849	32.228	15.1	0.21	5.04	72
Abbott Architect c systems	91	32.235	4.6	0.20	5.04	10

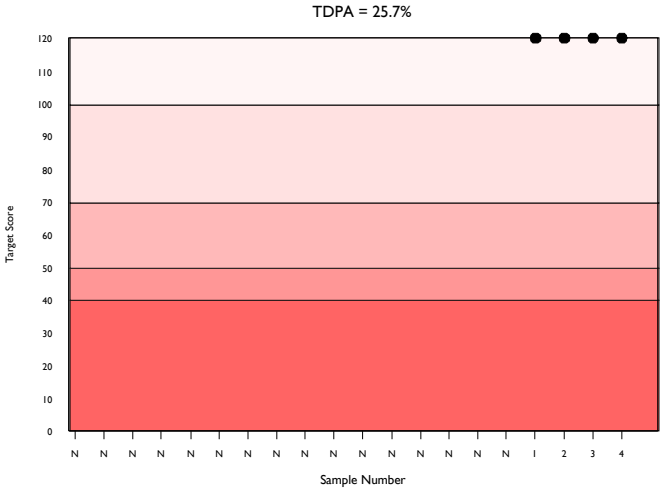
▲ Your Result	33.000	SDI	0.15
		RMSDI	Too Few
Mean for Comparison	32.235	TS	120
		RMTS	Too Few
		%DEV	2.4
		RM%DEV	Too Few

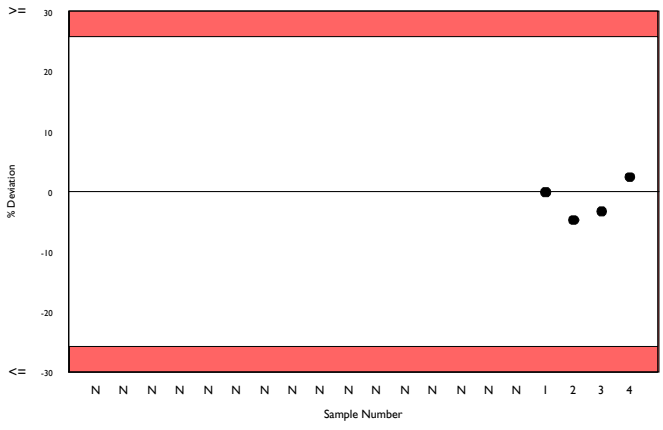
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.70%

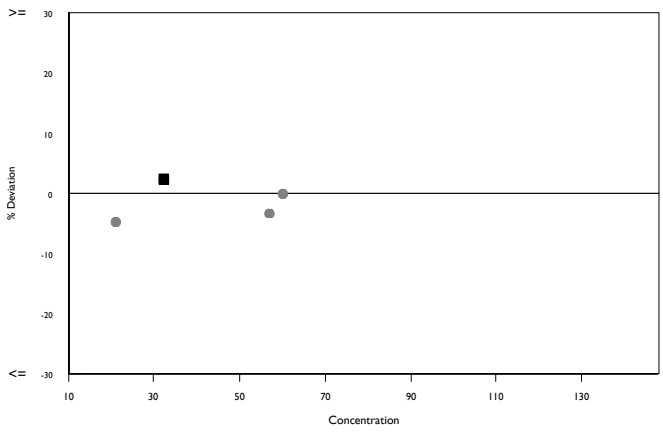


Method	N	Mean	CV%	U_m
Other Colorimetric	849	32.228	15.1	0.21
Colorimetric Roche ACN(8)731/ID 0-100	371	32.282	3.9	0.08
Colorimetric Roche ACN(8)789/ID 0-052	239	32.473	3.6	0.09
Ortho Vitros MicroSlide Systems	130	196.126	4.3	0.93
Colorimetric Dimension (LIPL Kit)	56	126.519	12.6	2.66
Roche Turbidimetric with colipase	52	31.903	6.2	0.34
Agappe - METHYL RESORUFIN	34	35.107	10.4	0.79
Colorimetric Randox	33	37.407	15.8	1.29
Other Turbidimetric with colipase	23	30.936	6.9	0.56
Colorimetric Dimension (LIP Kit)	17	34.088	6.1	0.63
Other Dry Chemistry	14	29.857	14.0	1.39
Turbidimetric without colipase	8	27.728	11.1	1.36
Randox Turbidimetric with colipase	5	49.560	29.8	8.26







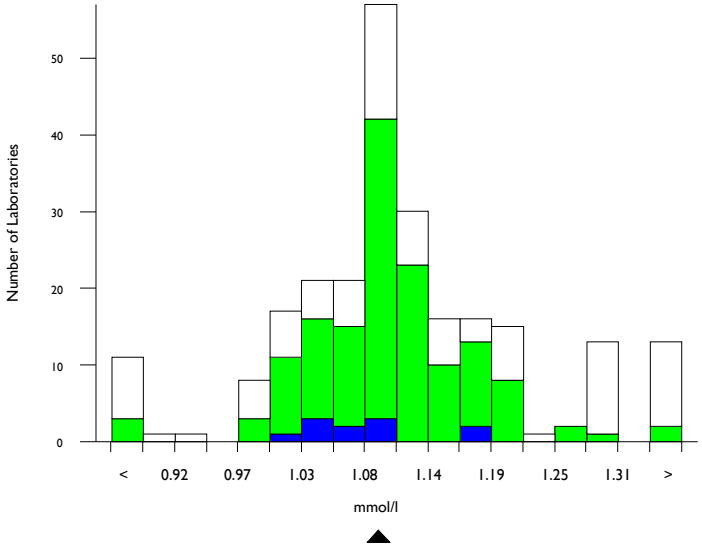


Lithium, mmol/l

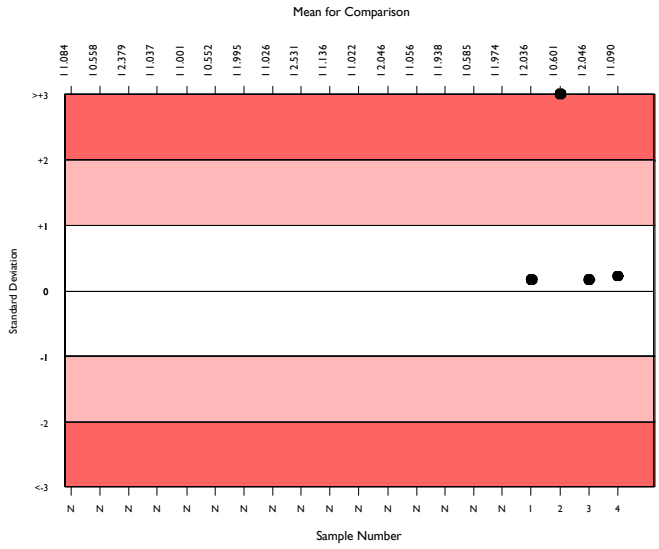
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	219	1.117	6.6	0.01	0.08	24
Spectrophotometric	141	1.106	4.7	0.01	0.08	8
Abbott Architect c systems	11	1.090	4.9	0.02	0.08	0

Your Result	1.107	SDI	0.22
		RMSDI	Too Few
Mean for Comparison	1.090	TS	120
		RMTS	Too Few
Reference Value	1.151	%DEV	1.6
		RM%DEV	Too Few

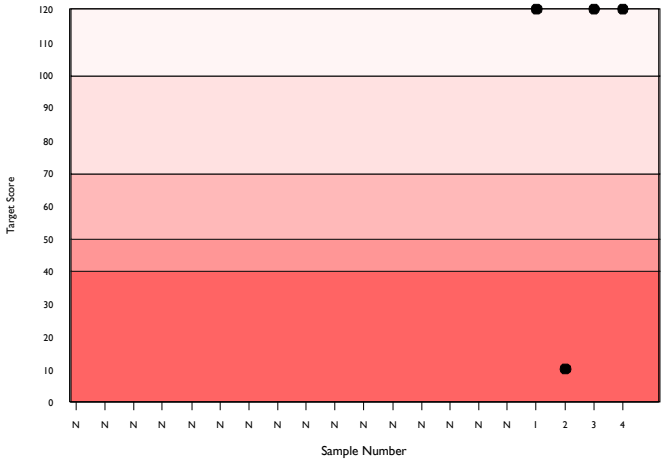
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.70%

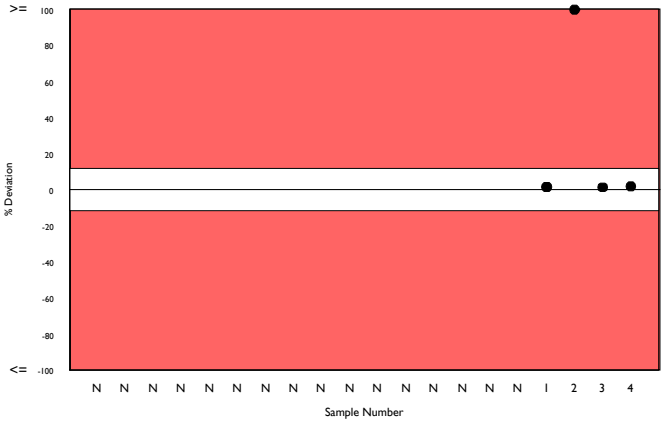


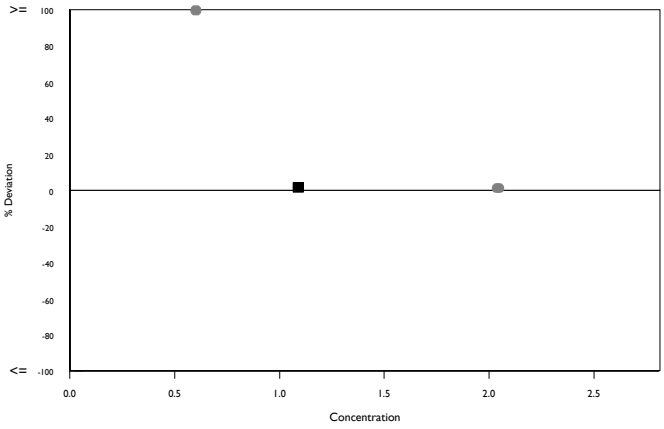
Method	N	Mean	CV%	U_m
Spectrophotometric	141	1.106	4.7	0.01
Ion selective electrode	44	1.054	9.0	0.02
Ortho Vitros MicroSlide Systems	25	1.320	7.3	0.02
Flame photometry	10	1.080	6.0	0.03
Atomic absorption	6	1.139	3.5	0.02



TDPA = 11.7%





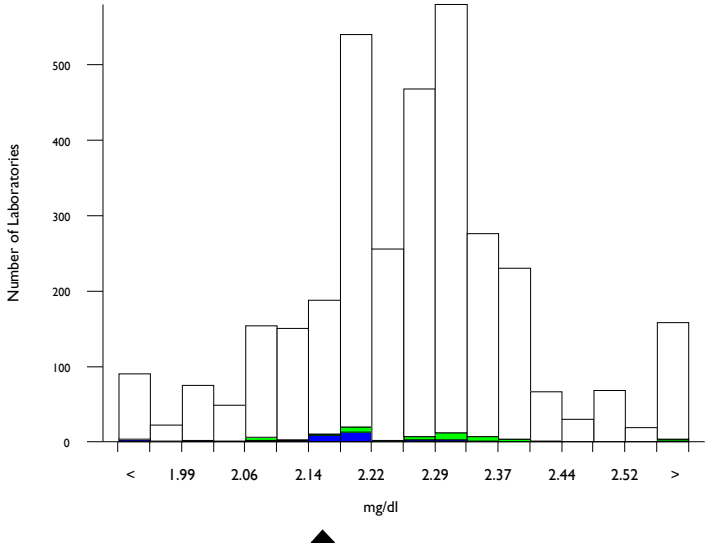


Magnesium, mg/dl

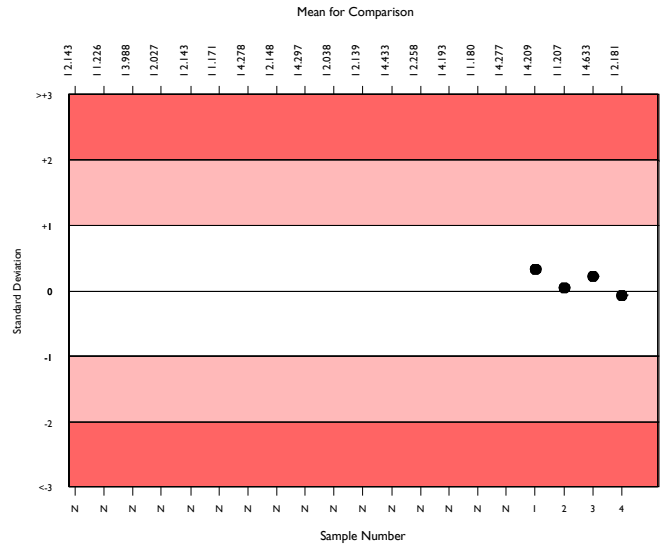
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3125	2.259	4.5	0.00	0.15	296
Arsenazo	76	2.228	4.5	0.01	0.15	8
Abbott Architect c systems	35	2.181	3.3	0.02	0.15	5

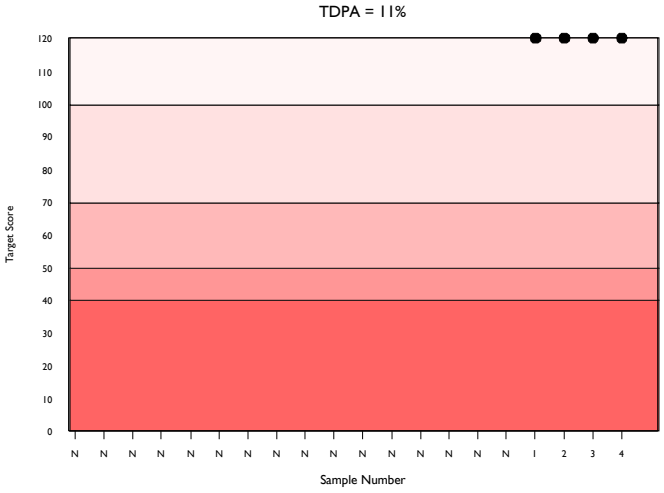
▲ Your Result	2.170	SDI	-0.08
		RMSDI	Too Few
Mean for Comparison	2.181	TS	120
		RMTS	Too Few
Reference Value	2.341	%DEV	-0.5
		RM%DEV	Too Few

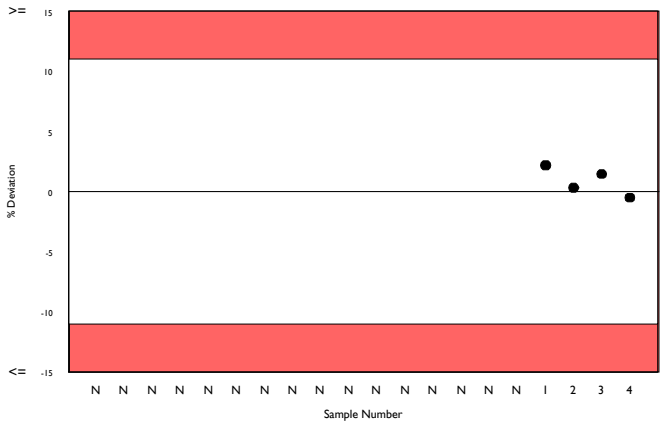
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%

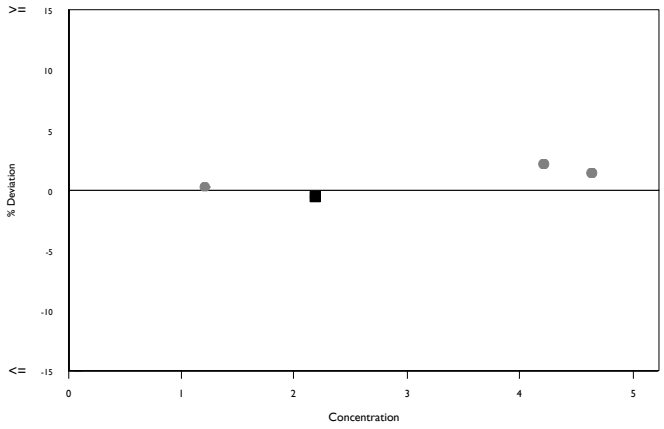


Method	N	Mean	CV%	U_m
Xylidyl Blue	1696	2.277	4.2	0.00
Enzymatic	354	2.217	3.3	0.00
Chlorphosphonazo III	303	2.291	2.8	0.00
Methylthymol blue	211	2.208	4.3	0.01
Ortho Vitros MicroSlide Systems	179	2.232	3.9	0.01
Calmagite	133	2.223	6.9	0.02
Arsenazo	76	2.228	4.5	0.01
Atomic absorption	59	2.266	4.5	0.02
Agappe - XYLIDYL BLUE	29	2.327	4.3	0.02
Other Dry Chemistry	23	2.382	5.5	0.03
Other magnesium dyes	10	2.135	8.0	0.07
Vitros, DT60/DT60 II/DTSC II	2	2.433	14.1	0.30







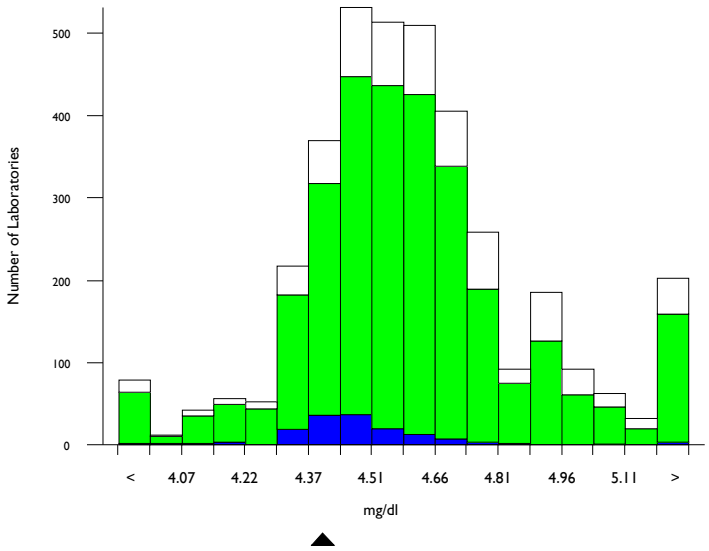


Phosphate, Inorganic, mg/dl

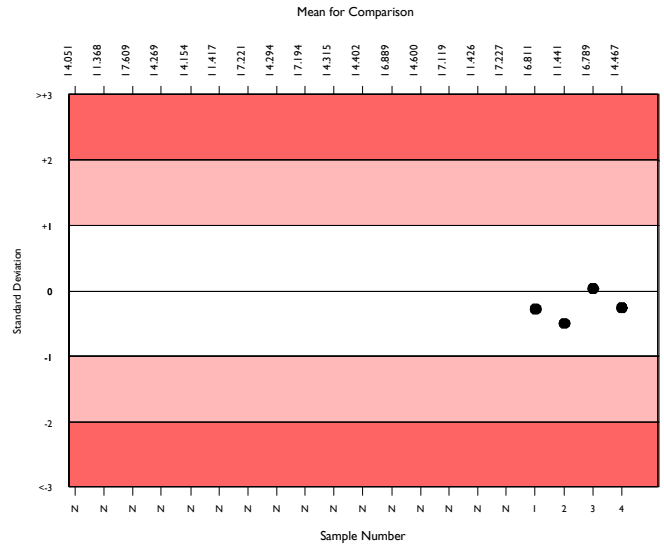
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3389	4.593	4.3	0.00	0.26	321
Phosphomolybdate UV	2749	4.579	4.1	0.00	0.26	276
Abbott Architect c systems	135	4.467	2.4	0.01	0.26	15

▲ Your Result	4.400	SDI	-0.26
		RMSDI	Too Few
Mean for Comparison	4.467	TS	120
		RMTS	Too Few
		%DEV	-1.5
		RM%DEV	Too Few

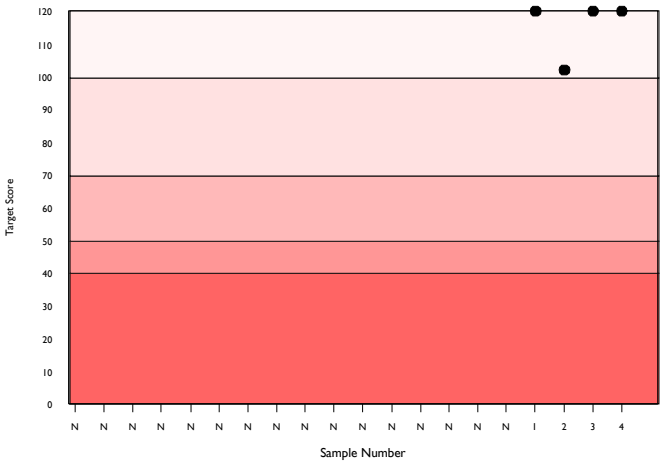
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.40%

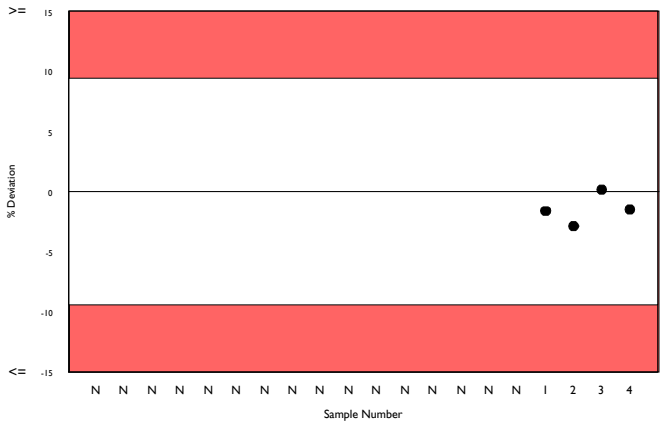


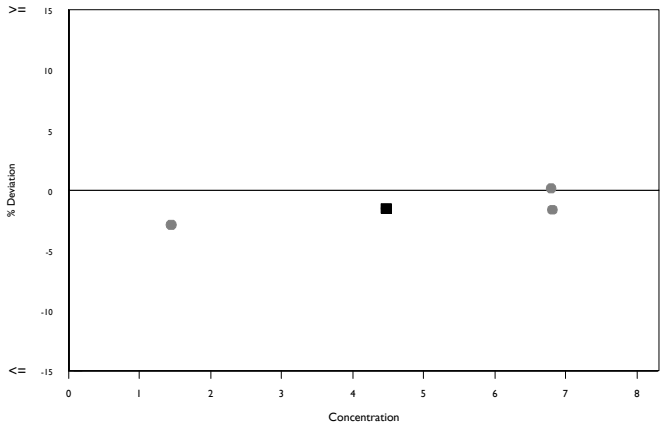
Method	N	Mean	CV%	U_m
Phosphomolybdate UV	2749	4.579	4.1	0.00
Phosphomolybdate enzymatic	303	4.536	3.3	0.01
Ortho Vitros MicroSlide Systems	189	4.793	3.4	0.01
Beckman PHOSm kit (365nm)	50	4.503	3.2	0.03
Agappe - PHOSPOHMOLYBDATE	40	5.045	3.6	0.04
Other Dry Chemistry	19	4.860	3.5	0.05
Other methods, no protein ppt	8	4.809	7.9	0.17
Other methods, with protein ppt	5	4.614	6.7	0.17



TDPA = 9.4%





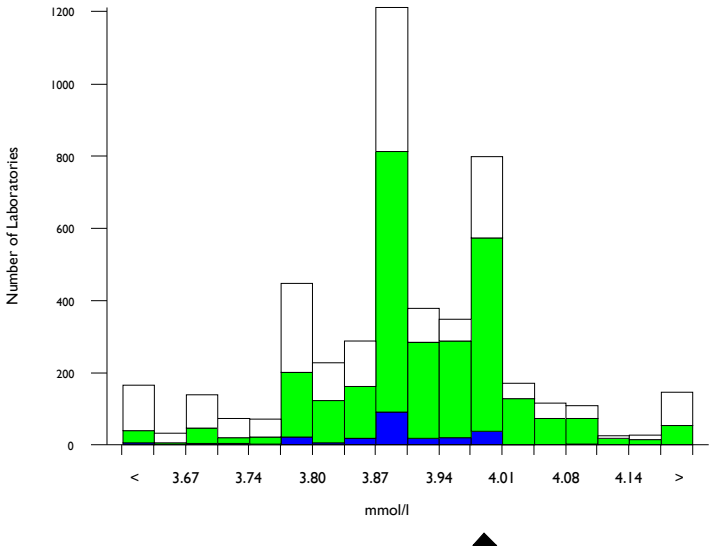


Potassium, mmol/l

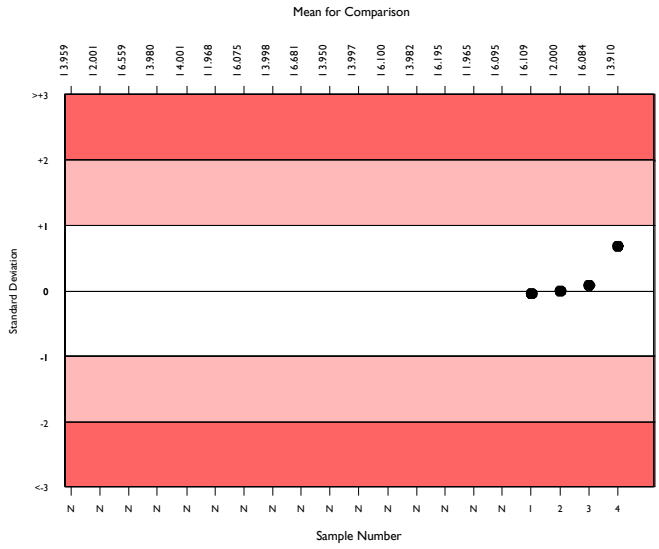
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4394	3.911	2.3	0.00	0.13	379
ISE method - indirect	2723	3.930	1.8	0.00	0.13	214
Abbott Architect c systems	215	3.910	1.5	0.01	0.13	17

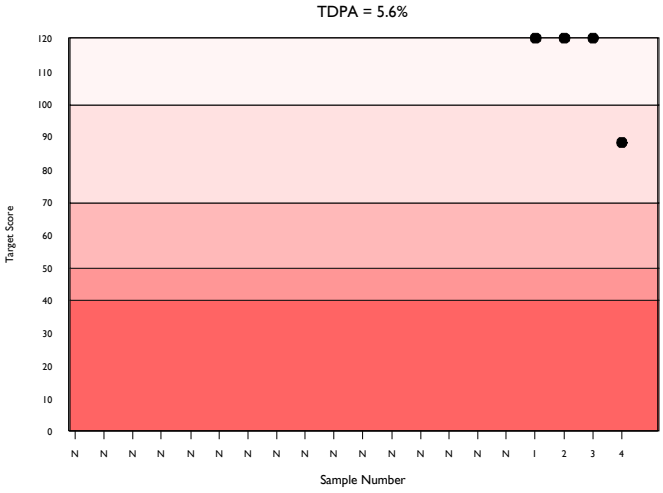
Your Result	4.000	SDI	0.68
		RMSDI	Too Few
Mean for Comparison	3.910	TS	88
		RMTS	Too Few
Reference Value	4.090	%DEV	2.3
		RM%DEV	Too Few

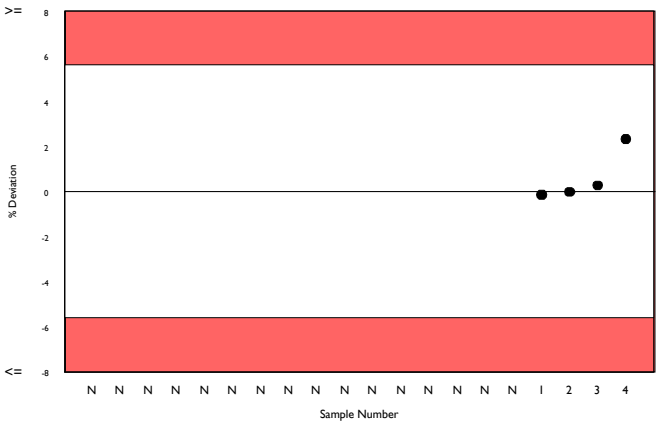
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.60%

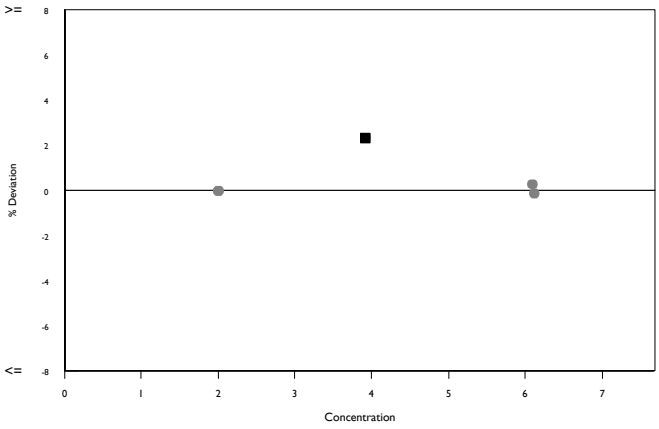


Method	N	Mean	CV%	U_m
ISE method - indirect	2723	3.930	1.8	0.00
ISE method - direct	1343	3.864	2.9	0.00
Ortho Vitros MicroSlide Systems	181	3.936	2.0	0.01
Colorimetric	49	3.862	2.6	0.02
Other Dry Chemistry	38	3.800	2.9	0.02
Agappe - ISE DIRECT	23	4.050	3.1	0.03
Flame photometry	11	3.929	3.8	0.06
Enzymatic	9	4.437	6.5	0.12
Turbidimetric	7	3.834	6.3	0.11
Optical Fluorescence	5	3.768	4.8	0.10
Vitros, DT60/DT60 II/DTE II	3	3.967	1.5	0.04







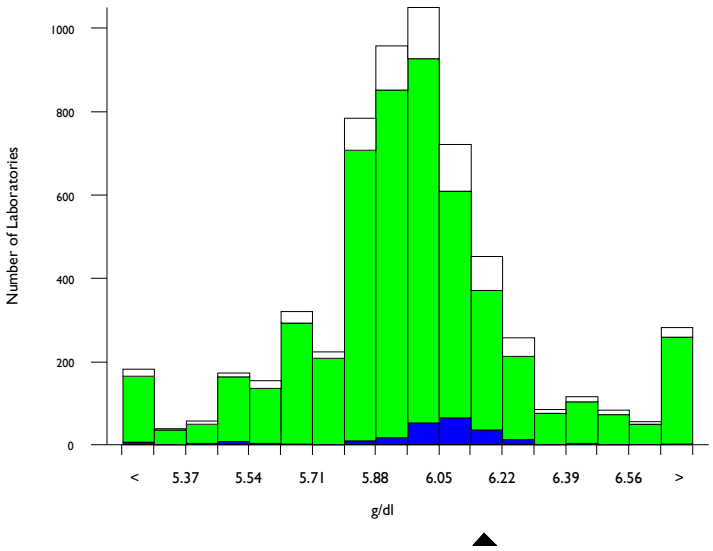


Protein, Total, g/dl

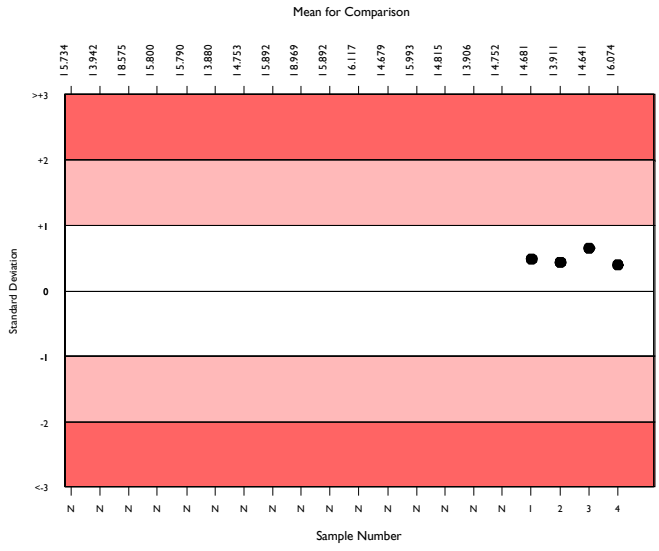
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5499	5.967	3.8	0.00	0.32	488
Biuret reaction, end point	4841	5.962	3.8	0.00	0.32	440
Abbott Architect c systems	196	6.074	2.0	0.01	0.32	27

▲ Your Result	6.200	SDI	0.39
		RMSDI	Too Few
Mean for Comparison	6.074	TS	112
		RMTS	Too Few
		%DEV	2.1
		RM%DEV	Too Few

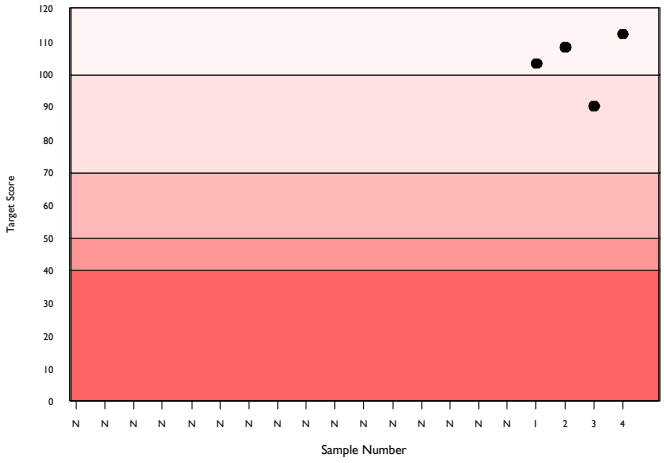
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.70%

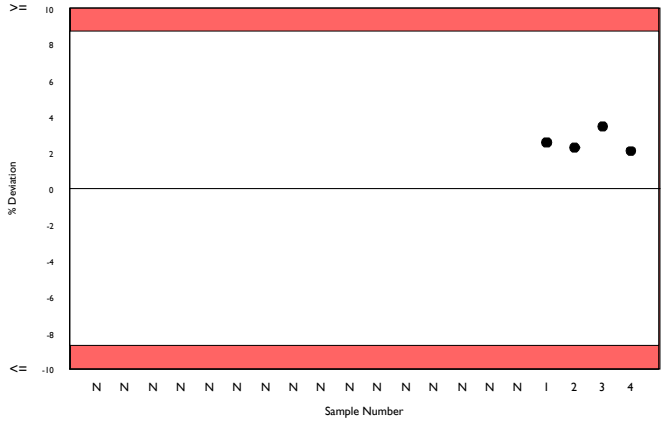


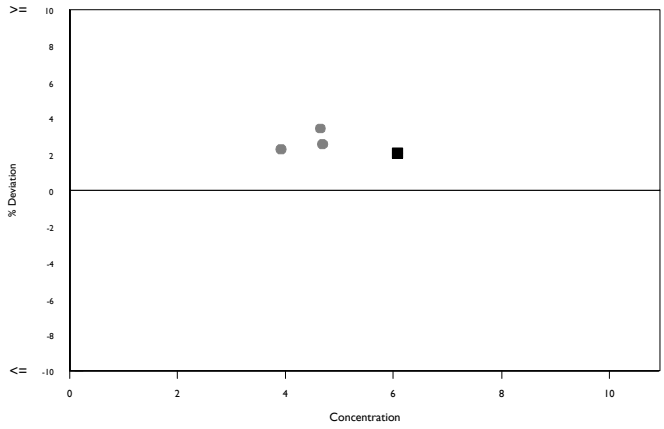
Method	N	Mean	CV%	U_m
Biuret reaction, end point	4841	5.962	3.8	0.00
Ortho Vitros MicroSlide Systems	207	6.022	2.8	0.01
Biuret reaction, kinetic	174	5.926	2.9	0.02
Agappe - BIURET	63	6.146	3.3	0.03
Abbott Alinity Total Protein 2	57	6.088	1.5	0.02
Other Dry Chemistry	50	6.074	3.9	0.04
Biuret reaction, CX4/5/7	46	5.819	3.7	0.04
Abbott Architect total Protein 2	30	6.136	1.6	0.02
Refractometry	3	5.770	1.1	0.05



TDPA = 8.7%





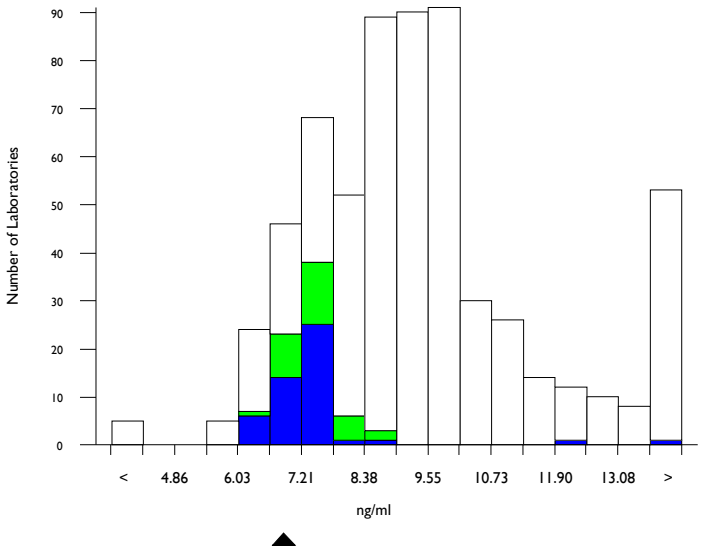


PSA, Total, ng/ml

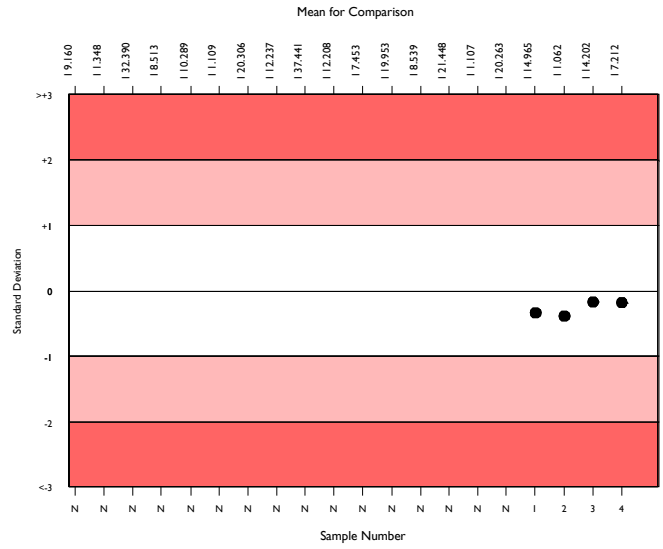
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	565	8.972	17.5	0.08	1.35	58
Abbott Architect/ Alinity	71	7.263	5.9	0.06	1.10	8
Abbott Architect i Systems	44	7.212	5.7	0.08	1.09	5

Your Result	7.010	SDI	-0.19
		RMSDI	Too Few
Mean for Comparison	7.212	TS	120
		RMTS	Too Few
		%DEV	-2.8
		RM%DEV	Too Few

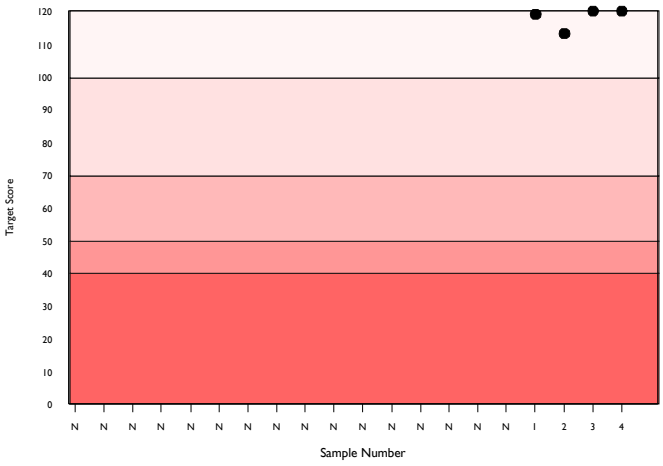
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.80%

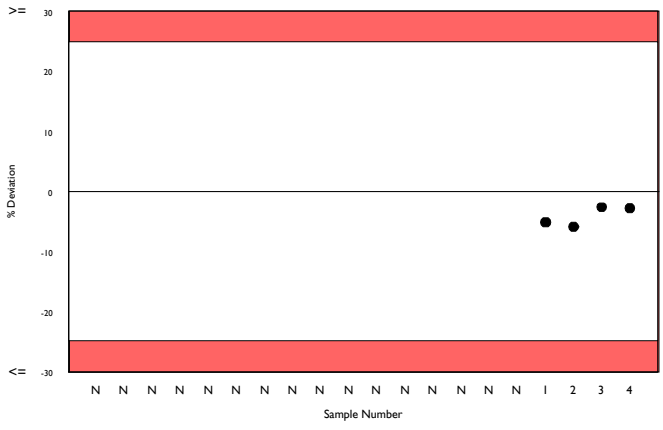


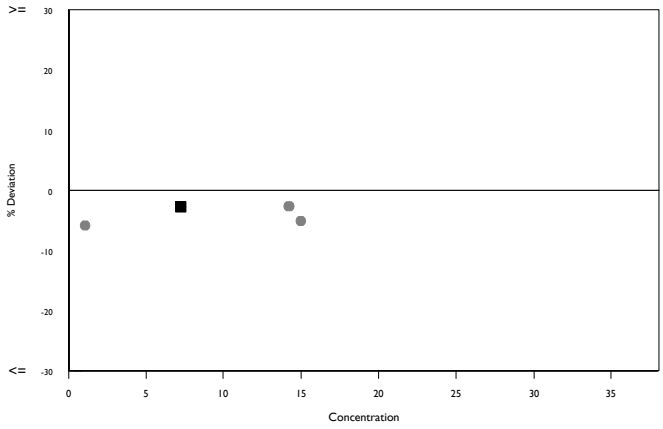
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	86	9.350	8.1	0.10
Abbott Architect/ Alinity	71	7.263	5.9	0.06
SNIBE Maglumi analysers	49	7.732	9.0	0.12
Monobind Inc ELISA / CLIA	47	12.589	16.4	0.38
Roche Cobas e601/602	45	9.518	4.6	0.08
bioMerieux, VIDAS TPSA	40	9.206	5.9	0.11
ELISA	39	14.066	18.3	0.51
Beckman Access standardised to Hybritech	31	9.934	8.0	0.18
Tosoh AIA Series	18	6.435	7.1	0.13
Roche Cobas e402/e801	17	9.164	7.0	0.19
Siemens Dimension	14	8.682	4.5	0.13
Ortho Vitros 3600/5600/ECi	13	8.998	7.6	0.24
Beckman DXI standardised to Hybritech	10	10.379	7.7	0.32
Siemens Centaur XP/XPT	9	8.829	13.5	0.50
Ortho Vitros 3600/5600/ECi PSA II	7	9.003	3.3	0.14
Siemens Immulite 2000/2500, Total PSA	8	7.935	12.9	0.45
Siemens Centaur CP	7	8.153	9.6	0.37
Mindray CL-Series	7	10.951	10.0	0.52
Siemens Atellica IM	6	8.420	2.9	0.13
Roche Elecsys Modular E170	5	9.172	4.0	0.20
Siemens Immulite 1000, Total PSA	5	8.278	11.4	0.53



TDPA = 24.8%





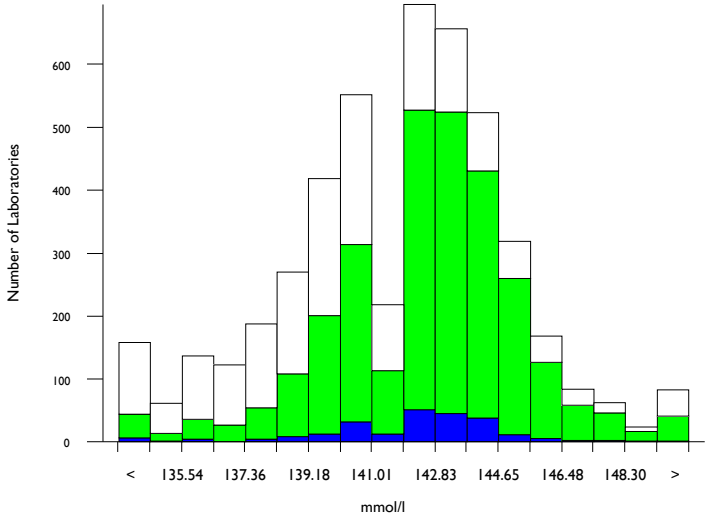


Sodium, mmol/l

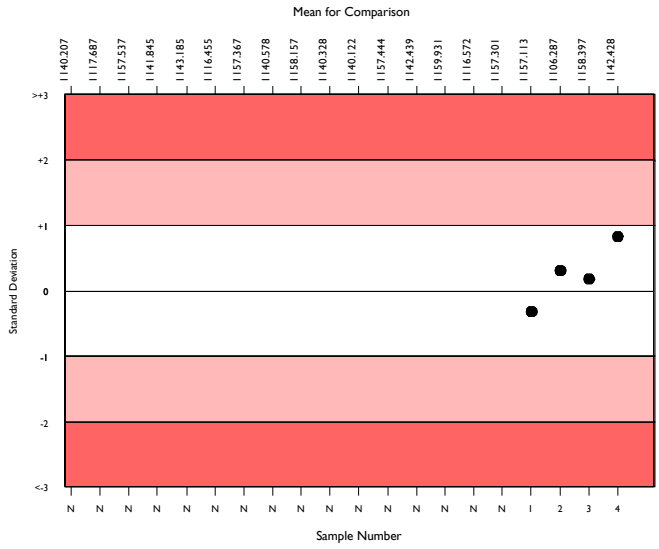
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4300	141.924	1.7	0.05	3.11	434
ISE method - indirect	2708	142.649	1.4	0.05	3.12	231
Abbott Architect c systems	215	142.428	1.1	0.13	3.12	21

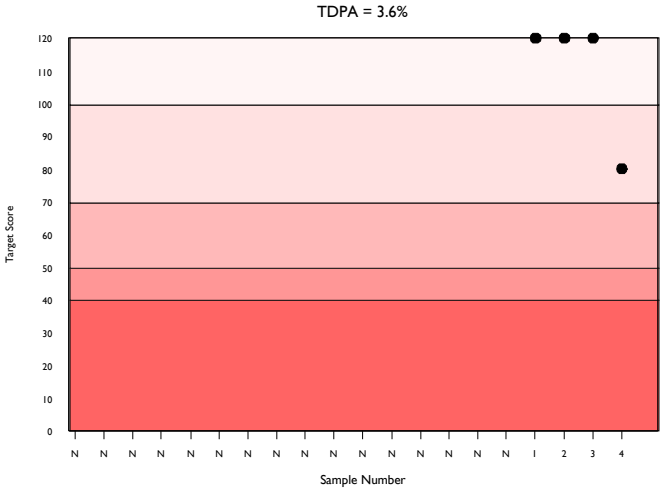
▲ Your Result	145.000	SDI	0.83
		RMSDI	Too Few
Mean for Comparison	142.428	TS	80
		RMTS	Too Few
Reference Value	144.600	%DEV	1.8
		RM%DEV	Too Few

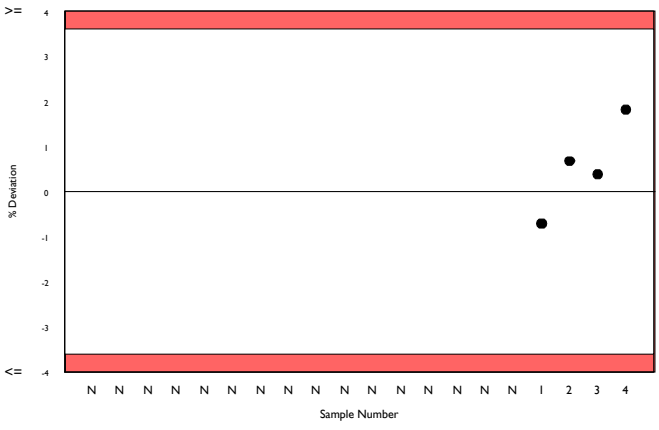
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.60%

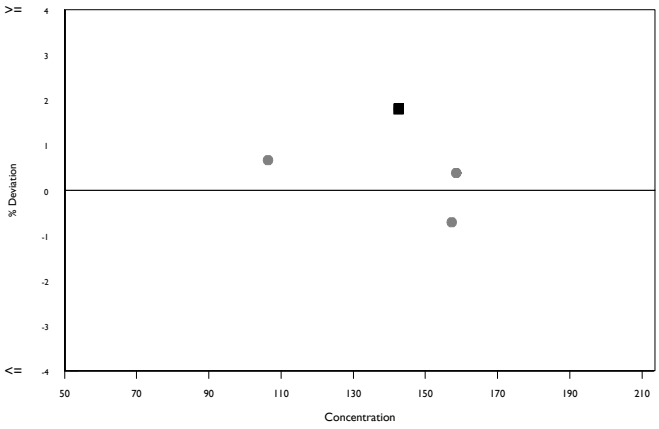


Method	N	Mean	CV%	U_m
ISE method - indirect	2708	142.649	1.4	0.05
ISE method - direct	1349	140.095	2.1	0.10
Ortho Vitros MicroSlide Systems	169	141.508	1.4	0.19
Colorimetric	39	140.532	1.7	0.47
Other Dry Chemistry	39	140.269	2.4	0.67
Agappe - ISE DIRECT	21	144.613	1.2	0.48
Flame photometry	11	139.756	1.3	0.66
Enzymatic	8	142.604	2.5	1.60
Vitros, DT60/DT60 II/DTE II	5	141.320	0.6	0.47
Optical Fluorescence	5	139.580	2.5	1.94







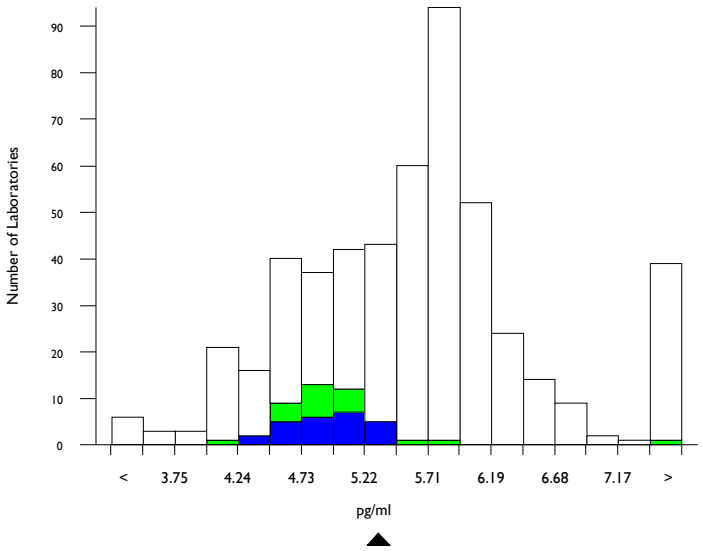


Free T3, pg/ml

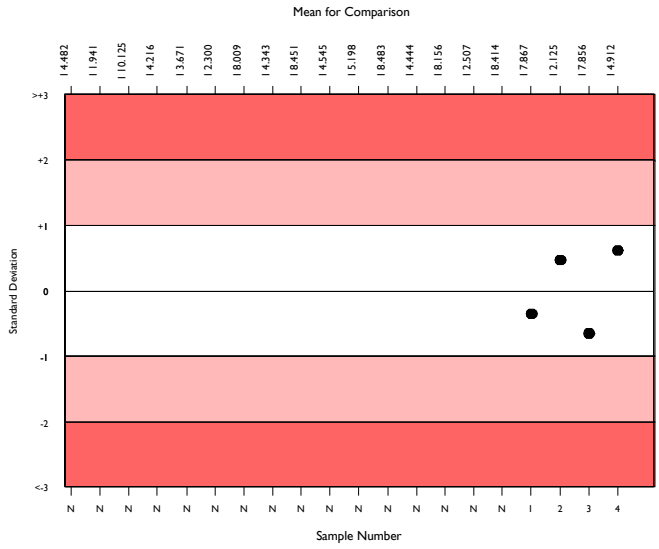
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	454	5.466	11.9	0.04	0.58	53
Abbott Architect/ Alinity, 6 point cal	41	4.896	5.4	0.05	0.52	4
Abbott Architect i Systems	25	4.912	6.4	0.08	0.52	0

▲ Your Result	5.230	SDI	0.61
		RMSDI	Too Few
Mean for Comparison	4.912	TS	93
		RMTS	Too Few
		%DEV	6.5
		RM%DEV	Too Few

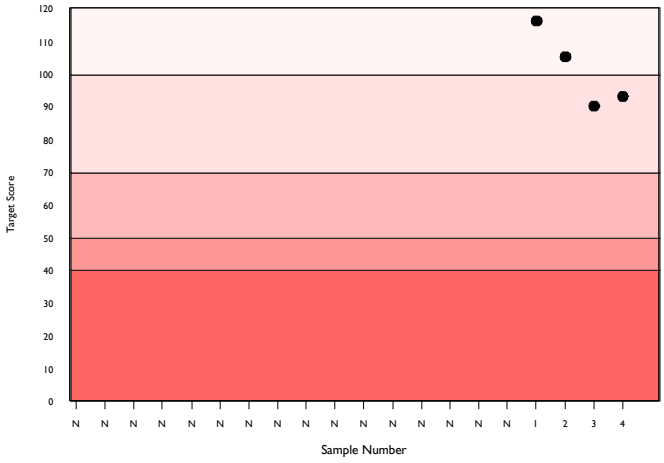
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.40%

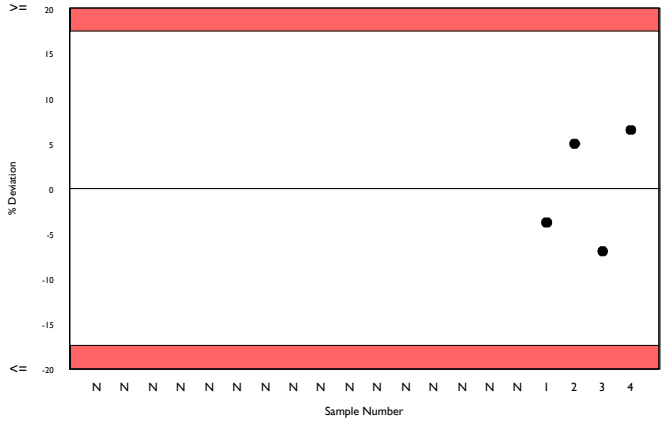


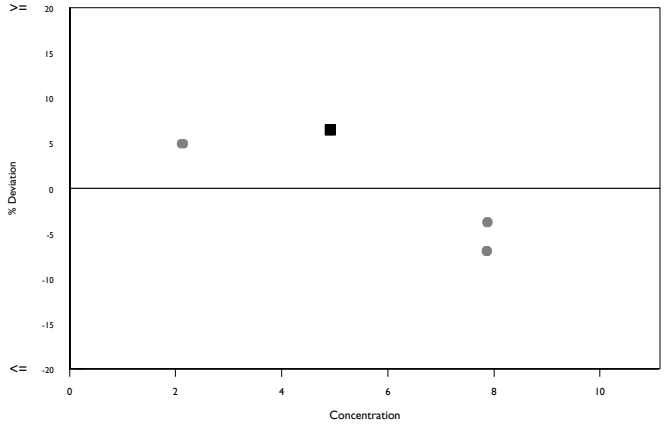
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	80	5.898	6.1	0.05
Roche Cobas e601/602	55	5.945	4.0	0.04
BioMerieux VIDAS	39	5.284	6.1	0.06
Abbott Architect/ Alinity, 6 point cal	41	4.896	5.4	0.05
Abbott Architect/ Alinity, 2 point cal	36	4.828	6.5	0.07
Beckman Access/LXi725	35	4.783	9.4	0.09
Roche Cobas e402/e801	20	5.879	3.4	0.06
SNIBE Maglumi analysers	17	5.414	8.3	0.14
Ortho Vitros 3600/5600/ECi/XT 7600	17	9.521	5.4	0.16
Siemens Dimension Exl LOCI	13	5.824	2.3	0.05
Tosoh AIA Series	12	6.026	13.6	0.30
Siemens Centaur XP/XPT	12	5.850	3.2	0.07
Beckman Dxl 600/800	10	4.304	4.1	0.07
Siemens Centaur CP	9	5.753	4.2	0.10
Mindray CL-Series	10	5.370	5.8	0.12
ELISA	7	4.516	25.4	0.54
Siemens Atellica IM	7	6.167	5.1	0.15
Siemens/DPC Immulite 2000/2500	6	4.532	16.5	0.38
Fujirebio Lumipulse G Series	5	5.932	2.8	0.09
Roche Elecsys	4	6.104	10.5	0.40
Autobio CLIA	2	5.120	10.5	0.48



TDPA = 17.4%





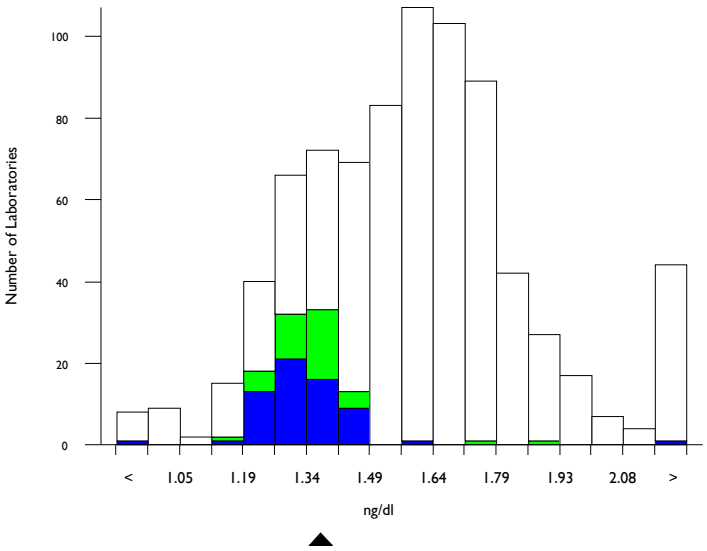


Free T4, ng/dl

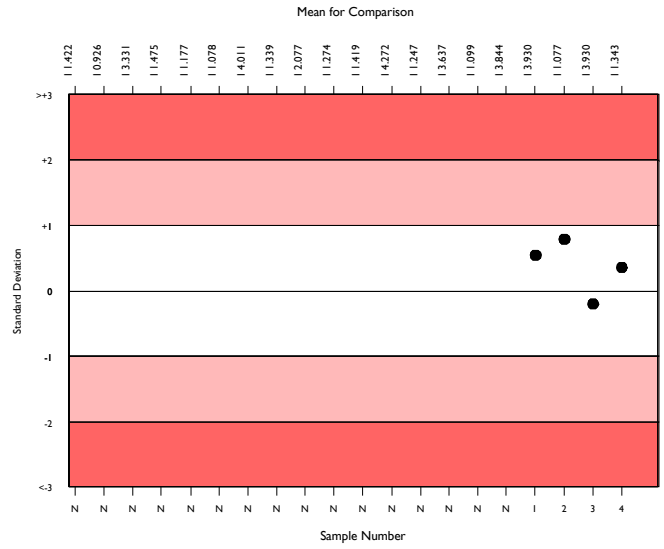
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	735	1.569	12.6	0.01	0.19	69
Abbott Architect/ Alinity	96	1.343	4.9	0.01	0.16	7
Abbott Architect i Systems	59	1.343	5.3	0.01	0.16	4

▲ Your Result	1.400	SDI	0.35
		RMSDI	Too Few
Mean for Comparison	1.343	TS	117
		RMTS	Too Few
		%DEV	4.3
		RM%DEV	Too Few

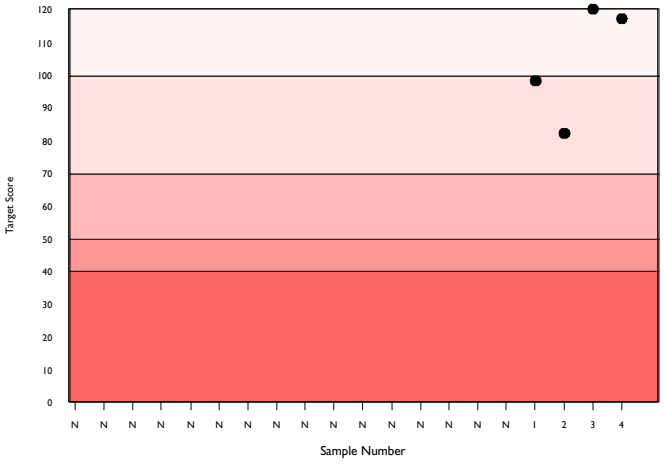
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.10%

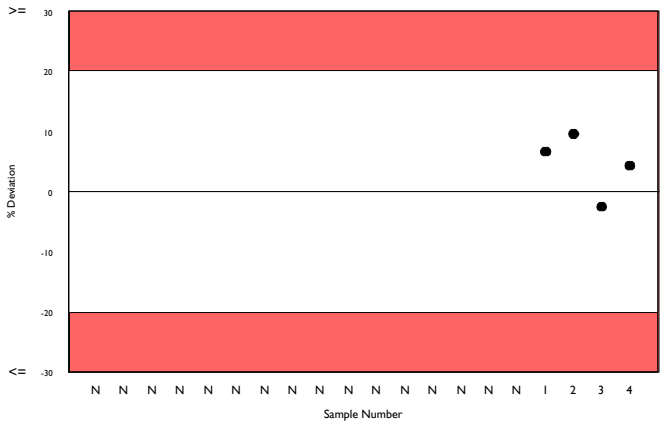


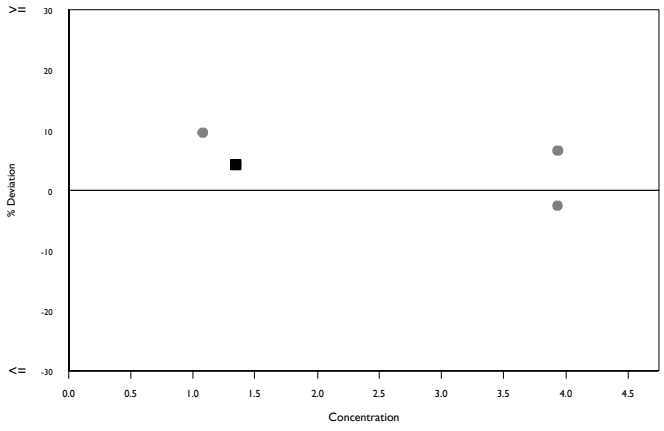
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	118	1.705	5.2	0.01
Abbott Architect/ Alinity	96	1.343	4.9	0.01
Roche Cobas e601/ 602	69	1.673	4.5	0.01
SNIBE Maglumi analysers	56	1.785	7.8	0.02
bioMerieux, VIDAS-FT4N Kit	45	1.609	6.5	0.02
Monobind Inc ELISA / CLIA	50	1.322	14.6	0.03
Beckman Access/LXi725	48	1.472	8.9	0.02
Roche Cobas e402/e801	31	1.741	3.5	0.01
ELISA	24	1.371	8.4	0.03
Ortho Vitros 3600/5600/ECi/XT/7600	25	2.786	4.9	0.03
Tosoh AIA Series	23	1.857	12.3	0.06
Beckman DxI 600/800	20	1.365	9.7	0.04
Siemens Centaur XP/XPT	15	1.475	4.6	0.02
Siemens Dimension Exl LOCI	14	1.539	3.2	0.02
Mindray CL-Series	15	1.454	10.1	0.05
Siemens Centaur CP	12	1.527	5.0	0.03
Siemens/DPC Immulite 2000/2500	13	1.525	4.9	0.03
Siemens/DPC Immulite 1000	8	1.612	7.4	0.05
Roche Elecsys	7	1.719	5.4	0.04
Siemens Atellica IM	8	1.488	1.9	0.01
Fujirebio Lumipulse G Series	6	1.322	7.6	0.05



TDPA = 20.1%





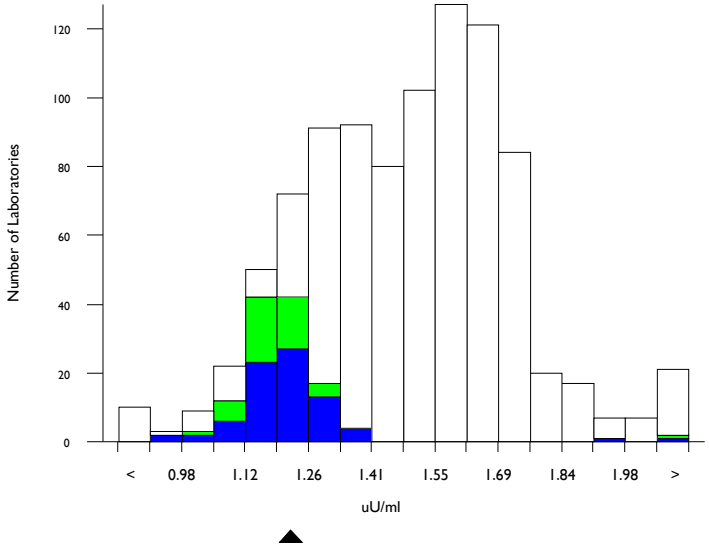


TSH, uU/ml

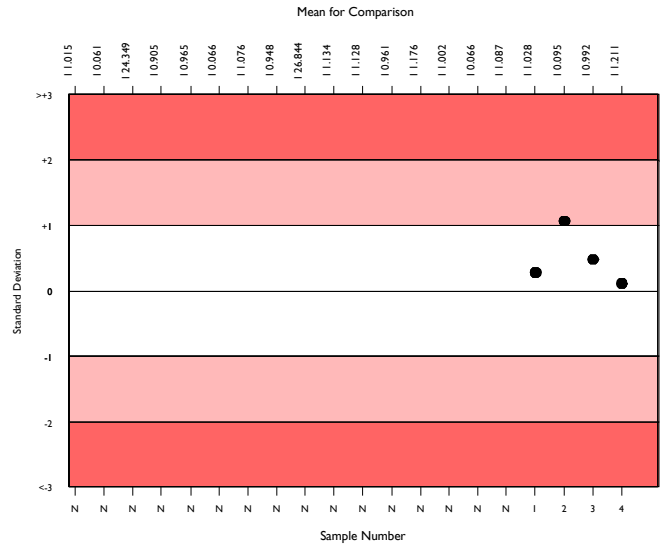
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	878	1.484	12.9	0.01	0.22	57
Abbott Architect/ Alinity	113	1.200	5.3	0.01	0.17	12
Abbott Architect i Systems	71	1.211	5.7	0.01	0.18	8

▲ Your Result	1.230	SDI	0.11
		RMSDI	Too Few
Mean for Comparison	1.211	TS	120
		RMTS	Too Few
		%DEV	1.5
		RM%DEV	Too Few

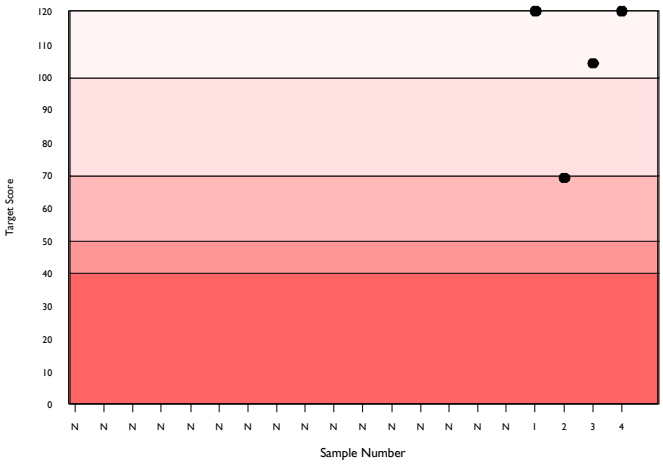
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.90%

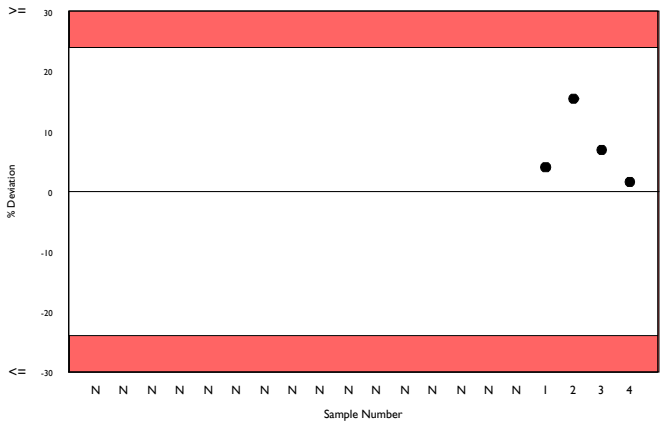


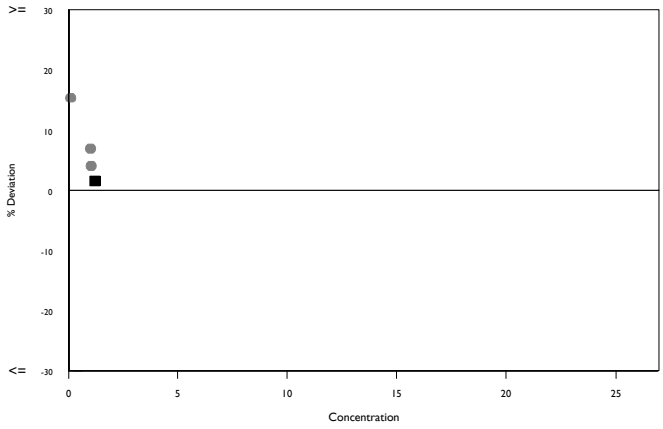
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	129	1.667	3.8	0.01
Abbott Architect/ Alinity	113	1.200	5.3	0.01
Roche Cobas e601/ 602	76	1.643	2.8	0.01
SNIBE Maglumi analysers	64	1.503	5.0	0.01
Monobind Inc ELISA / CLIA	57	1.476	13.2	0.03
Biomerieux VIDAS TSH	53	1.631	6.0	0.02
ELISA	35	1.367	16.1	0.05
Beckman DXI600/800/ Access 2 (3rd IS)	35	1.373	3.8	0.01
Roche Cobas e402/e801	31	1.565	3.4	0.01
Beckman Access/LXi725 hyper TSH 3rd gen.	28	1.382	6.5	0.02
Tosoh AIA Series	29	1.460	7.2	0.02
Ortho Vitros 3600/5600/ECi/XT 7600	25	1.387	6.5	0.02
Mindray CL-Series	17	1.903	6.0	0.03
Siemens Dimension Exl LOCI	16	1.338	3.1	0.01
Siemens Centaur CP	14	1.320	14.5	0.06
Roche Elecsys	12	1.591	3.7	0.02
Beckman Access/LXi725 Fast TSH 2nd gen.	12	1.436	7.0	0.04
Siemens/DPC Immulite 2000/2500	9	1.486	4.4	0.03
Siemens/DPC Immulite 1000	11	1.493	14.8	0.08
Siemens Centaur XP/XPT	9	1.428	12.1	0.07
Siemens Atellica IM	9	1.376	4.5	0.03



TDPA = 23.9%





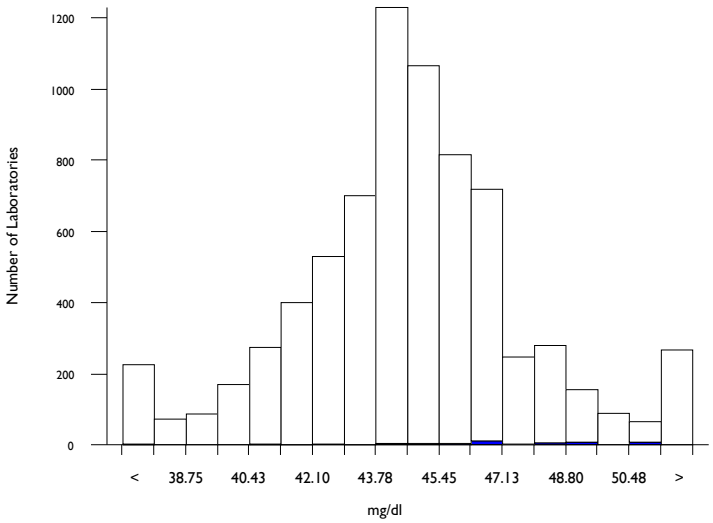


Urea, mg/dl

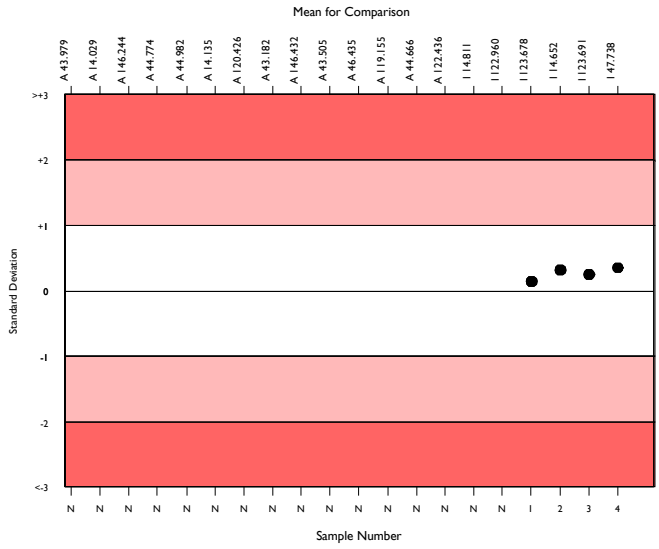
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6760	44.619	5.0	0.03	3.39	625
Abbott Architect Urea Nitrogen 2	51	47.333	4.7	0.39	3.60	5
Abbott Architect c systems	46	47.738	4.0	0.35	3.63	5

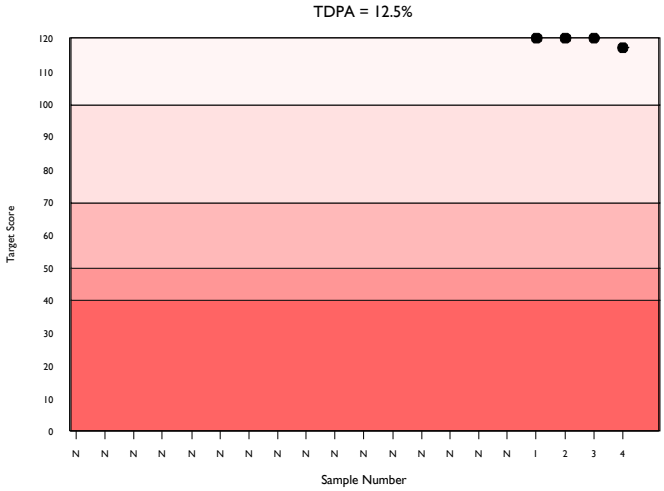
Your Result	49.000	SDI	0.35
		RMSDI	Too Few
Mean for Comparison	47.738	TS	117
		RMTS	Too Few
		%DEV	2.6
		RM%DEV	Too Few

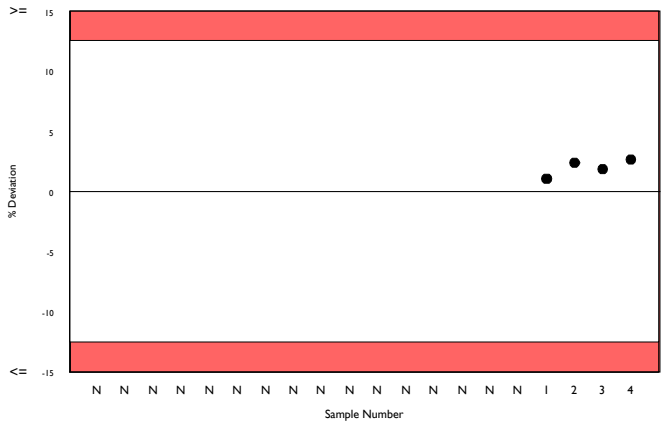
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.50%

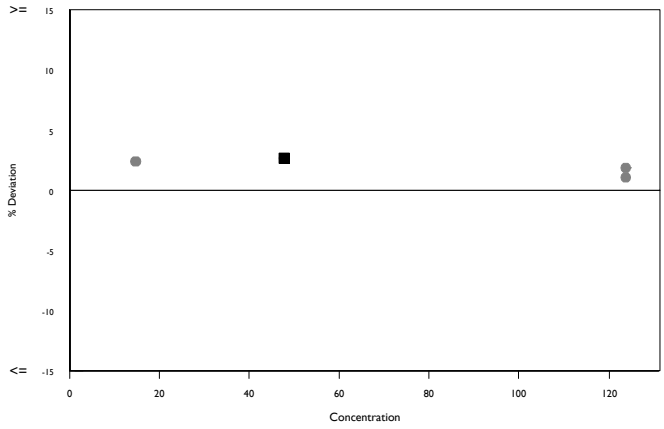


Method	N	Mean	CV%	U_m
Urease, kinetic	5761	44.734	4.7	0.03
Urease, end point	418	44.717	5.9	0.16
Ortho Vitros MicroSlide Systems	230	41.703	3.5	0.12
Urease, hypochlorite	97	44.016	4.9	0.27
Agappe - UREASE GLDH	67	44.887	5.4	0.37
Other Dry Chemistry	59	45.301	3.4	0.25
Abbott Architect Urea Nitrogen 2	51	47.333	4.7	0.39
Beckman - Conductivity	35	44.485	4.8	0.45
Agappe - BERTHELOT	6	45.112	8.2	1.90
O-Phthalaldehyde	5	49.308	15.2	4.18
Diacetyl monoxime	3	46.147	6.4	2.12
Vitros DT60/DT60 II	2	41.867	3.1	1.13







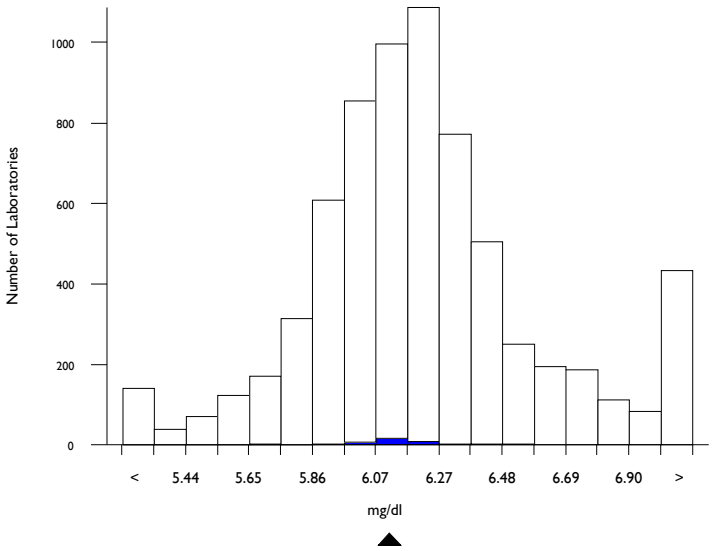


Uric Acid (Urate), mg/dl

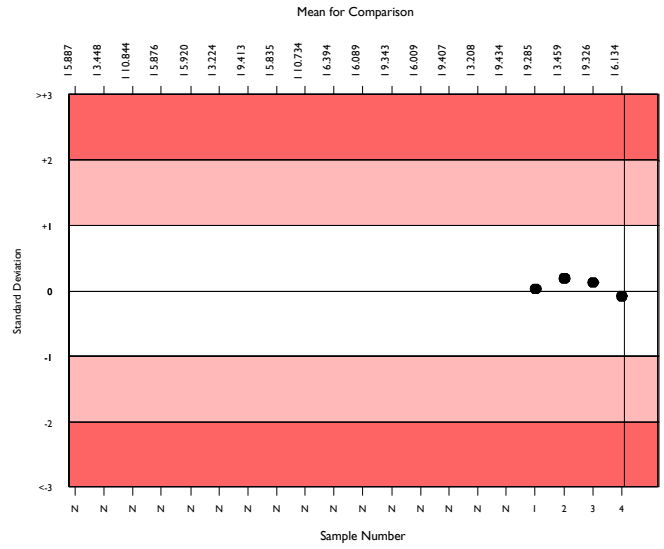
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6283	6.175	4.5	0.00	0.40	651
Abbott Architect Uric Acid 2	40	6.125	2.0	0.02	0.39	8
Abbott Architect c systems	39	6.134	1.9	0.02	0.39	7

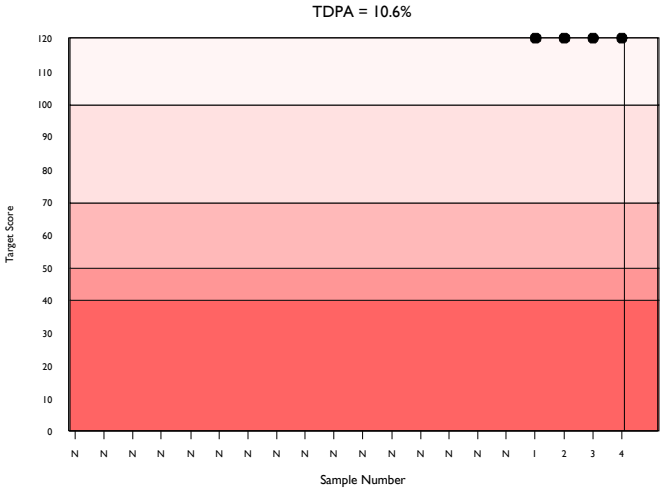
Your Result	6.100	SDI	-0.09
		RMSDI	Too Few
Mean for Comparison	6.134	TS	120
		RMTS	Too Few
Reference Value	6252.542	%DEV	-0.5
		RM%DEV	Too Few

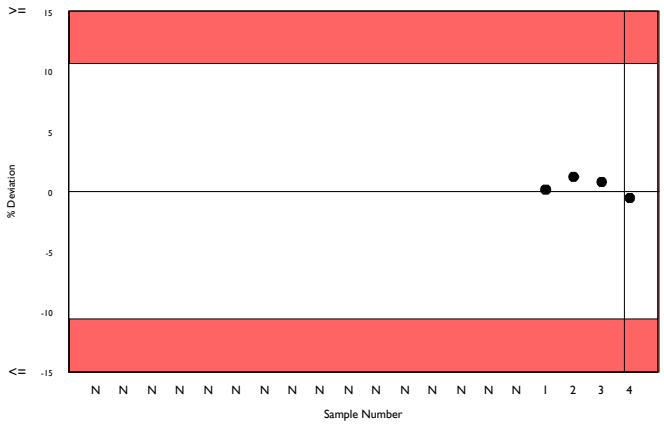
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.60%

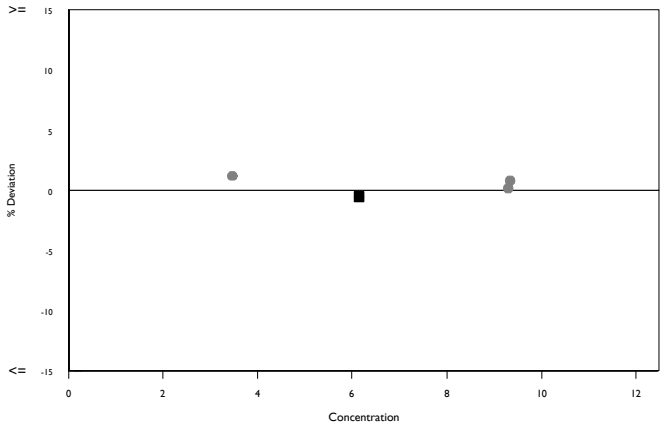


Method	N	Mean	CV%	U_m
Uricase perox. no ascorb. ox.	2505	6.155	5.0	0.01
Uricase Perox. with ascorb. ox	1753	6.238	4.0	0.01
Uricase Perox. with ascorb. ox @ 546nm	1235	6.141	3.6	0.01
Ortho Vitros MicroSlide Systems	217	5.912	2.2	0.01
Uricase @ 293 nm	193	6.143	2.2	0.01
Uricase, catalase 340nm.	102	6.160	2.7	0.02
Abbott Alinity Uric Acid 2	59	6.113	1.6	0.02
Agappe - URICASE - PAP	44	6.826	3.9	0.05
Abbott Architect Uric Acid 2	40	6.125	2.0	0.02
Other Dry Chemistry	39	6.563	5.1	0.07
Agappe - URICASE - TOPS	22	6.548	11.3	0.20
Reduction methods	14	6.469	5.7	0.12
Vitros DT60/DT60 II	3	5.832	1.5	0.06









Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	4.307	4.100	-0.88	Too Few	-4.8	Too Few	77	Too Few	
Alkaline Phosphatase	176.789	176.000	-0.04	Too Few	-0.4	Too Few	120	Too Few	
ALT (GPT)	35.874	36.000	0.04	Too Few	0.4	Too Few	120	Too Few	
Amylase, Pancreatic	56.609	56.000	-0.09	Too Few	-1.1	Too Few	120	Too Few	
Amylase, Total	83.949	85.000	0.12	Too Few	1.3	Too Few	120	Too Few	
AST (GOT)	39.903	43.000	0.86	Too Few	7.8	Too Few	78	Too Few	
Bile Acids	24.468	24.200	-0.07	Too Few	-1.1	Too Few	120	Too Few	
Bilirubin, Direct	1.090	1.100	0.06	Too Few	0.9	Too Few	120	Too Few	
Bilirubin, Total	1.451	1.500	0.35	Too Few	3.4	Too Few	118	Too Few	
Calcium	8.337	8.300	-0.09	Too Few	-0.4	Too Few	120	Too Few	
Chloride	96.830	99.000	0.80	Too Few	2.2	Too Few	81	Too Few	
Cholesterol	161.445	161.000	-0.05	Too Few	-0.3	Too Few	120	Too Few	
CK, Total	208.802	202.000	-0.45	Too Few	-3.3	Too Few	107	Too Few	
Creatinine	1.524	1.610	0.73	Too Few	5.6	Too Few	85	Too Few	
GGT	50.909	51.000	0.02	Too Few	0.2	Too Few	120	Too Few	
Glucose	109.297	105.000	-0.76	Too Few	-3.9	Too Few	83	Too Few	
HDL-Cholesterol	57.705	60.000	0.31	Too Few	4.0	Too Few	120	Too Few	
Iron	123.468	118.000	-0.73	Too Few	-4.4	Too Few	85	Too Few	
LD (LDH)	198.345	198.000	-0.02	Too Few	-0.2	Too Few	120	Too Few	
LDL-Cholesterol (Pilot)	78.460	79.000	0.05	Too Few	0.7	Too Few	120	Too Few	
Lipase	32.235	33.000	0.15	Too Few	2.4	Too Few	120	Too Few	
Lithium	1.090	1.107	0.22	Too Few	1.6	Too Few	120	Too Few	
Magnesium	2.181	2.170	-0.08	Too Few	-0.5	Too Few	120	Too Few	
Phosphate, Inorganic	4.467	4.400	-0.26	Too Few	-1.5	Too Few	120	Too Few	
Potassium	3.910	4.000	0.68	Too Few	2.3	Too Few	88	Too Few	
Protein, Total	6.074	6.200	0.39	Too Few	2.1	Too Few	112	Too Few	
PSA, Total	7.212	7.010	-0.19	Too Few	-2.8	Too Few	120	Too Few	
Sodium	142.428	145.000	0.83	Too Few	1.8	Too Few	80	Too Few	
Free T3	4.912	5.230	0.61	Too Few	6.5	Too Few	93	Too Few	
Free T4	1.343	1.400	0.35	Too Few	4.3	Too Few	117	Too Few	
TSH	1.211	1.230	0.11	Too Few	1.5	Too Few	120	Too Few	
Urea	47.738	49.000	0.35	Too Few	2.6	Too Few	117	Too Few	
Uric Acid (Urate)	6.134	6.100	-0.09	Too Few	-0.5	Too Few	120	Too Few	

ORMSDI N/A **ORM%DEV N/A** **ORMTS N/A**

END OF REPORT

RIQAS