Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 10

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

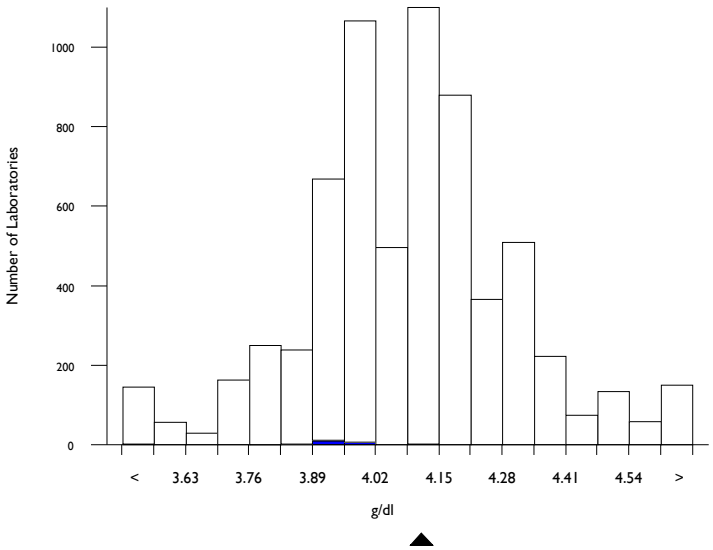
UKAS PROFICIENCY TESTING 0010

Albumin, g/dl

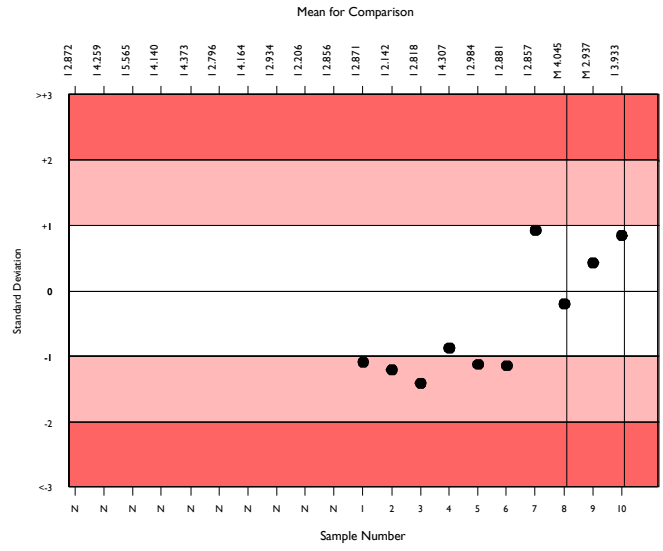
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6164	4.090	4.2	0.00	0.21	433
Abbott Architect Albumin BCP 2	21	3.933	1.4	0.02	0.20	4
Abbott Architect c systems	20	3.933	1.5	0.02	0.20	4

Your Result	4.100	SDI	0.84
		RMSDI	-0.49
Mean for Comparison	3.933	TS	79
		RMTS	78
		%DEV	4.2
		RM%DEV	-2.7

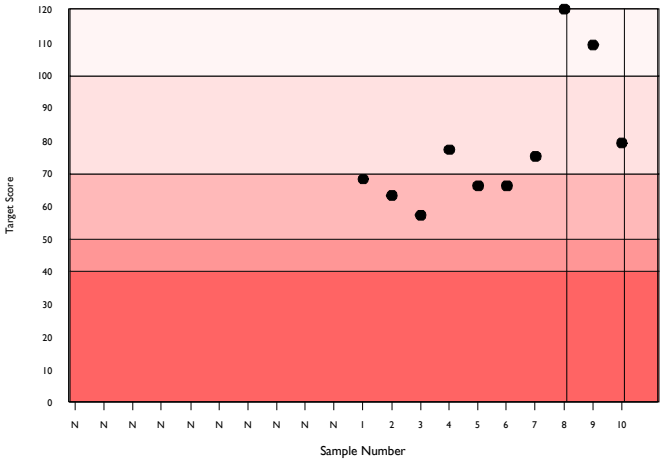
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%

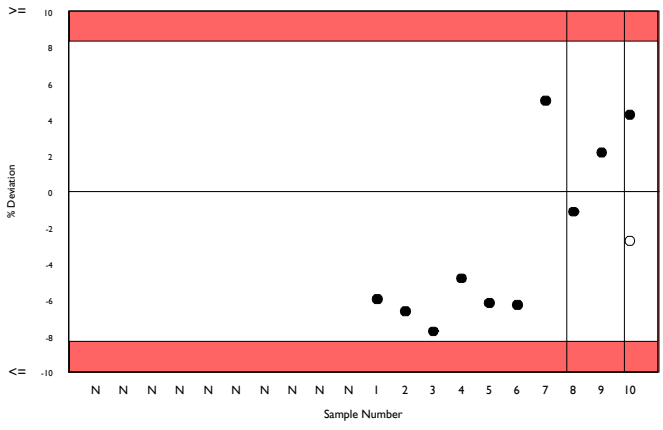


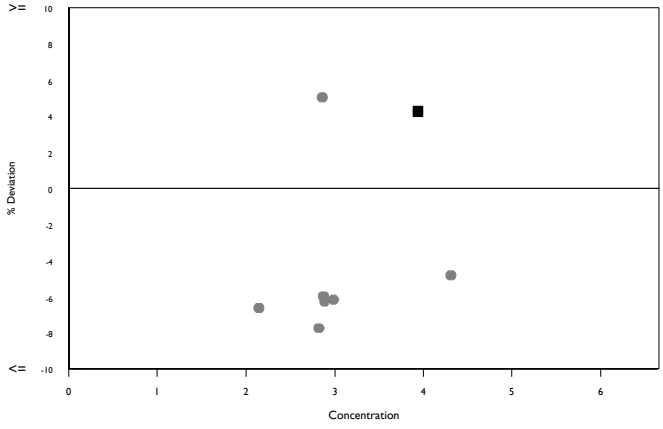
Method	N	Mean	CV%	U_m
Bromocresol Green	5054	4.080	4.3	0.00
Bromocresol Purple	489	4.159	3.4	0.01
Ortho Vitros MicroSlide Systems	231	4.129	3.6	0.01
Abbott Alinity Albumin BCG 2	135	4.093	1.4	0.01
Agappe - Bromocresol Green	59	4.087	3.6	0.02
Other Dry Chemistry	55	4.700	5.4	0.04
Abbott Architect Albumin BCG 2	42	4.106	1.9	0.01
Turbidimetric Assays	42	4.138	4.2	0.03
Abbott Architect Albumin BCP 2	21	3.933	1.4	0.02
Abbott Alinity Albumin BCP 2	13	3.958	2.3	0.03
Nephelometric Assays	8	3.935	4.0	0.07
Electrophoresis	3	3.633	19.9	0.52



TDPA = 8.3%







RIQAS

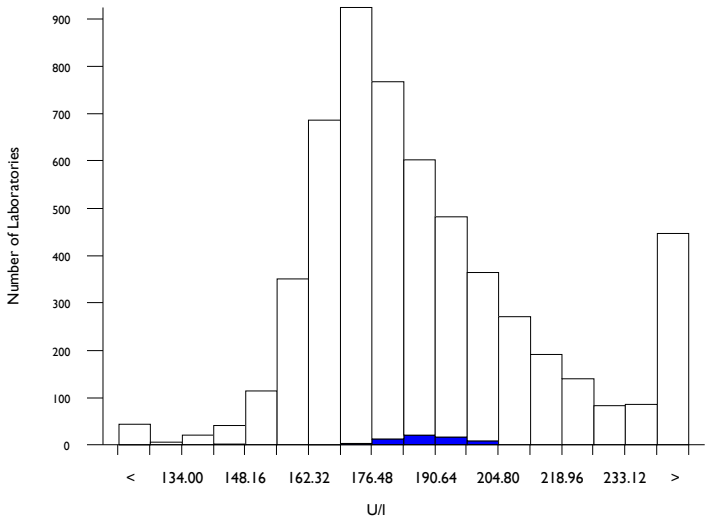
UKAS PROFICIENCY TESTING 0010

Alkaline Phosphatase, U/l @ 37°C

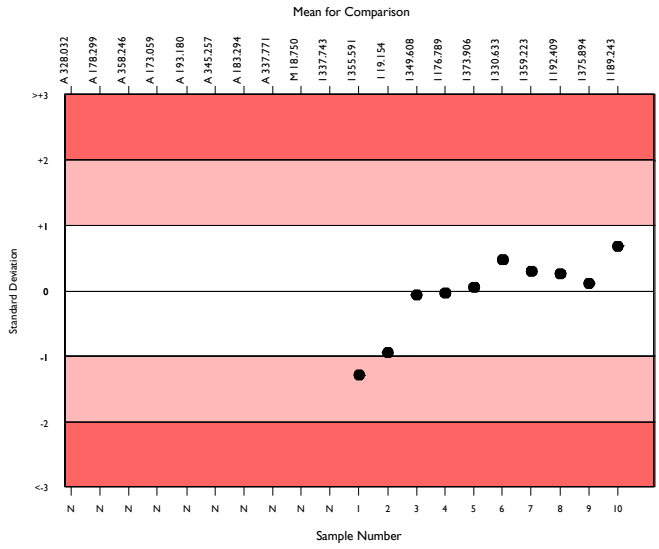
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5088	183.565	10.3	0.33	18.30	531
Abbott Architect Alkaline Phosphatase 2	62	188.981	4.1	1.24	18.84	4
Abbott Architect c systems	61	189.243	4.0	1.22	18.87	4

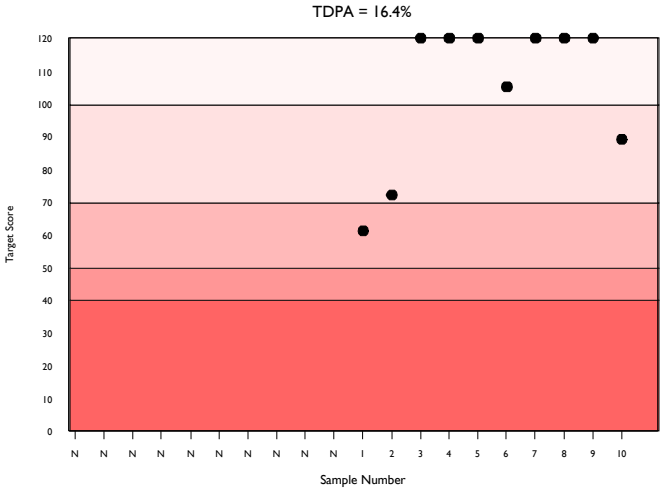
Your Result	202.000	SDI	0.68
		RMSDI	-0.05
Mean for Comparison	189.243	TS	89
		RMTS	104
		%DEV	6.7
		RM%DEV	-0.7

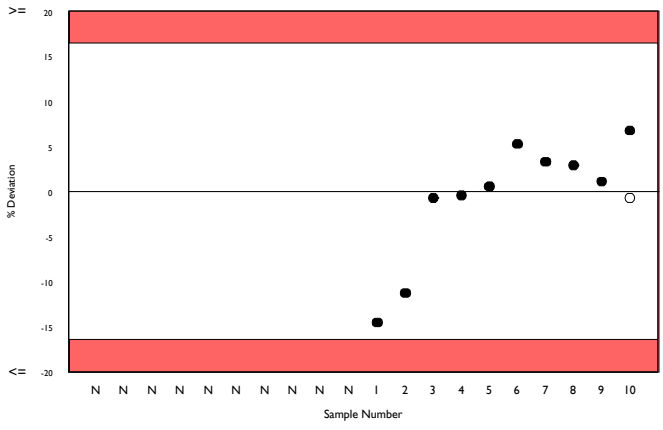
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.40%

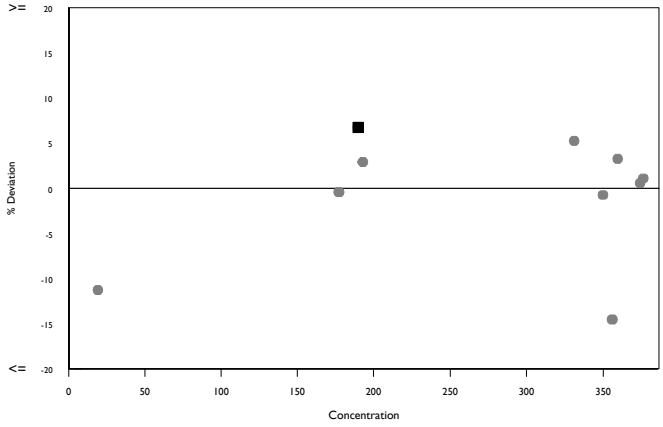


Method	N	Mean	CV%	U_m
AMP optimised to IFCC	2153	187.419	9.5	0.48
Roche AMP buffer IFCC	1230	172.519	4.0	0.24
Diethanolamine buffer, DEA	492	245.597	14.1	1.96
Ortho Vitros MicroSlide Systems	245	170.080	5.6	0.76
Siemens/Dade Dimension AMP buffer	214	170.203	4.0	0.58
AMP non-optimised	201	189.859	6.8	1.15
Beckman AMP (Calibrator)	143	200.605	6.7	1.41
Colorimetric	115	179.411	8.2	1.71
Abbott Alinity Alkaline Phosphatase 2	117	191.673	2.8	0.61
Abbott Architect Alkaline Phosphatase 2	62	188.981	4.1	1.24
Agappe - DGKC-SCE	50	244.825	8.6	3.71
Other Dry Chemistry	48	191.697	10.6	3.66
Other AMP kits	43	180.672	8.4	2.91
Beckman AMP (Extinction Coeff)	31	195.810	7.9	3.47
Fuji Dri-Chem JSCC	15	195.767	11.4	7.23
AMP optimised to NVKC/SFBC	10	212.399	16.8	14.08
AMPD optimised to JSCC	4	227.225	29.3	41.63
Tris/carbonate buffer	3	176.300	11.0	13.95
AMP reduced interference	1	192.000	0.0	0.00









RIQAS

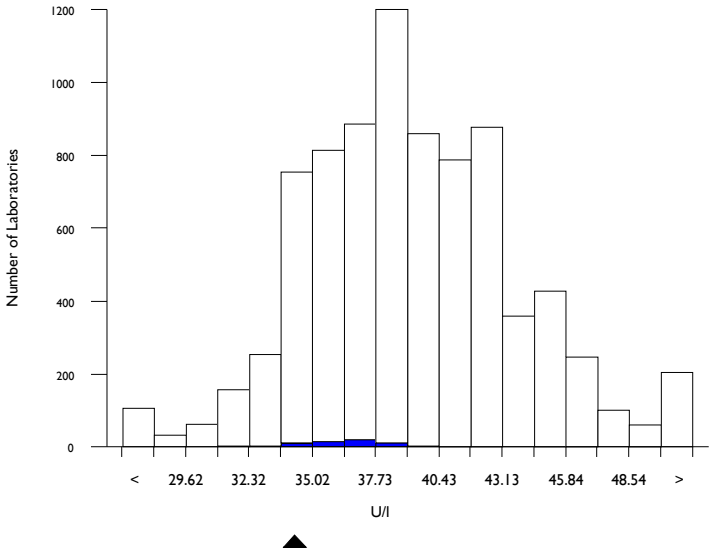
UKAS PROFICIENCY TESTING 0010

ALT (GPT), U/l @ 37°C

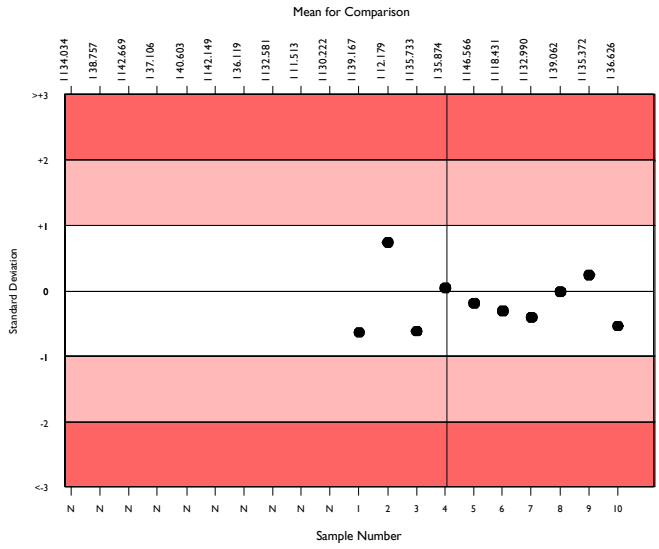
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7641	39.083	9.2	0.05	3.21	541
Abbott Architect ALT 2	60	36.582	4.4	0.26	3.00	7
Abbott Architect c systems	59	36.626	4.4	0.26	3.01	7

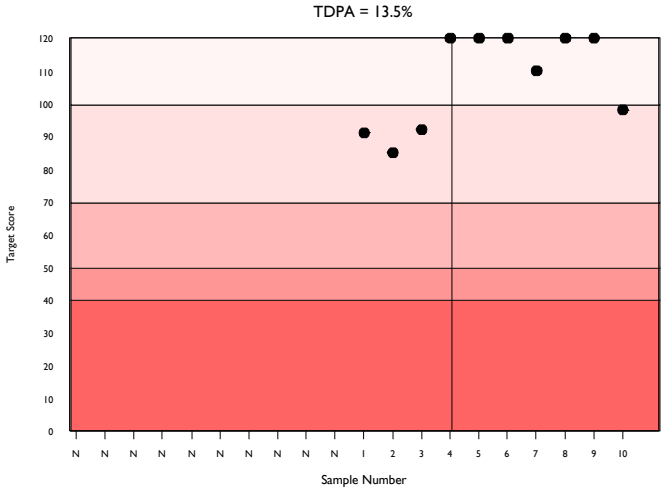
Your Result	35.000	SDI	-0.54
		RMSDI	-0.17
Mean for Comparison	36.626	TS	98
		RMTS	107
		%DEV	-4.4
		RM%DEV	-1.6

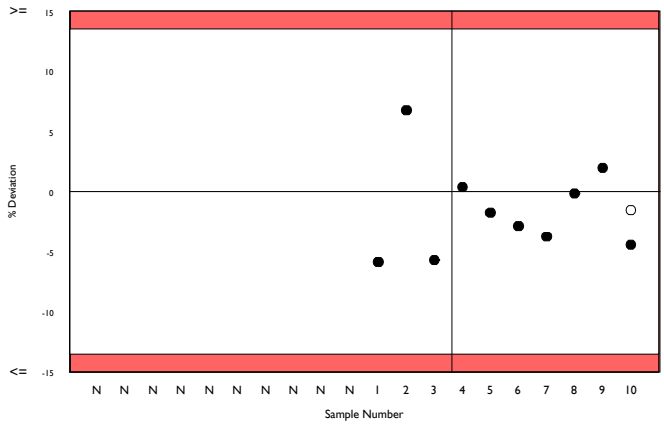
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	13.50%

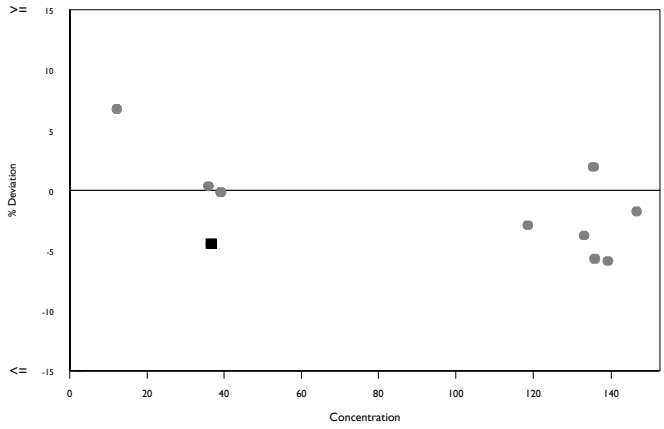


Method	N	Mean	CV%	U_m
Tris buffer without P5P	4811	38.174	9.2	0.06
Beckman Mod. IFCC Ref. without P5P	1025	40.648	5.2	0.08
Tris buffer with P5P	730	40.594	10.2	0.19
Ortho Vitros MicroSlide Systems	185	43.680	3.8	0.15
Siemens/Dade standard nonIFCC correlated	166	45.014	7.6	0.33
Abbott Alinity ALT 2	128	36.216	4.1	0.16
Beckman IFCC Ref. with P5P	123	40.263	7.0	0.32
Agappe - IFCC	92	40.463	6.2	0.32
Ortho Vitros MicroSlide visible	74	43.249	4.6	0.29
Colorimetric	72	39.158	8.6	0.50
Other Dry Chemistry	72	38.576	6.3	0.36
Abbott Architect ALT 2	60	36.582	4.4	0.26
Tris buffer with P5P, NVKC	27	40.419	6.4	0.63
Phosphate buffer, DGKC	23	40.283	7.9	0.83
Tris buffer, SCE	18	37.988	6.5	0.72
Beckman (Extinction Coefficient)	8	40.274	2.3	0.41
LDH - JSCC	7	31.514	24.5	3.65









RIQAS

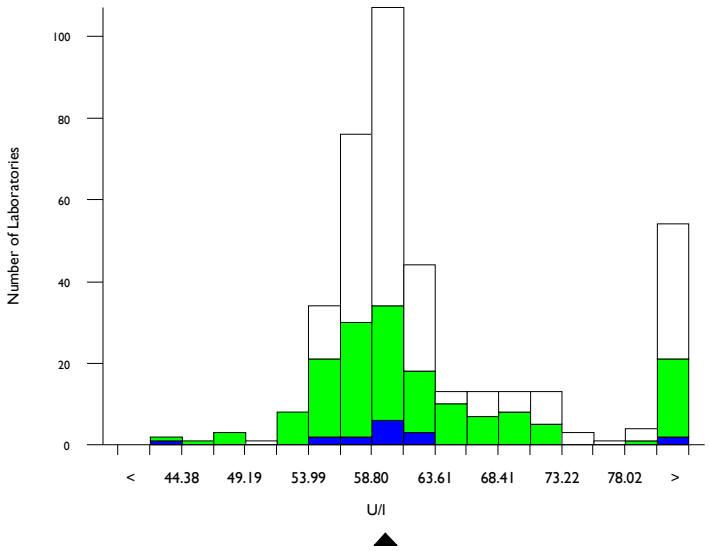
UKAS PROFICIENCY TESTING 0010

Amylase, Pancreatic, U/l @ 37°C

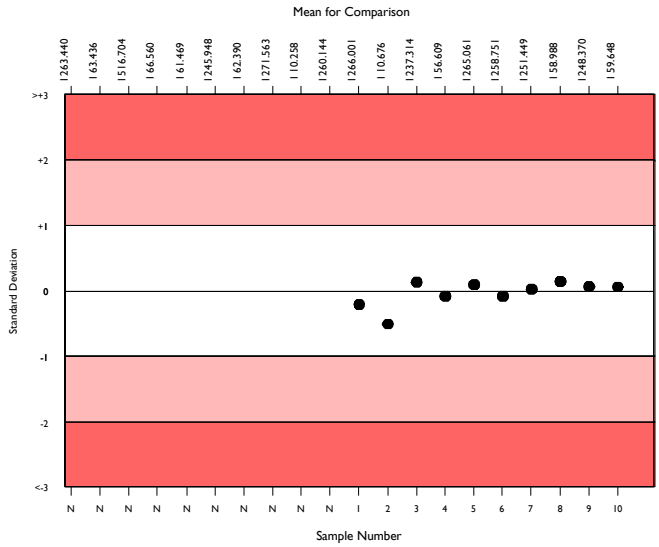
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	345	61.207	10.5	0.43	6.70	45
Immunoinhibition, EPS substrate	149	60.273	10.2	0.63	6.60	20
Abbott Architect c systems	13	59.648	4.0	0.82	6.53	3

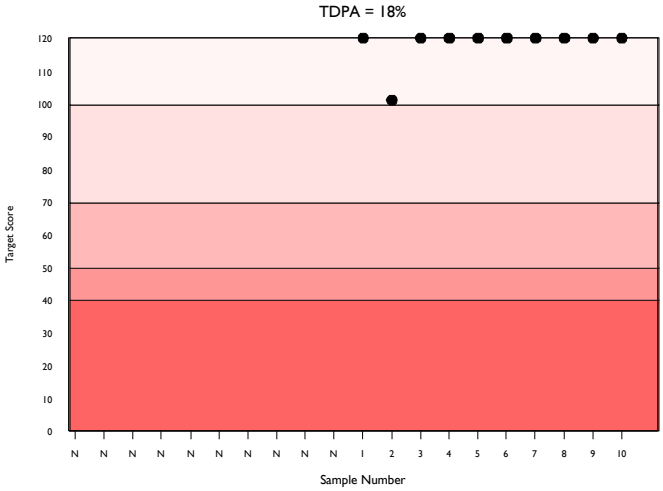
Your Result	60.000	SDI	0.05
		RMSDI	-0.04
Mean for Comparison	59.648	TS	120
		RMTS	118
		%DEV	0.6
		RM%DEV	-0.5

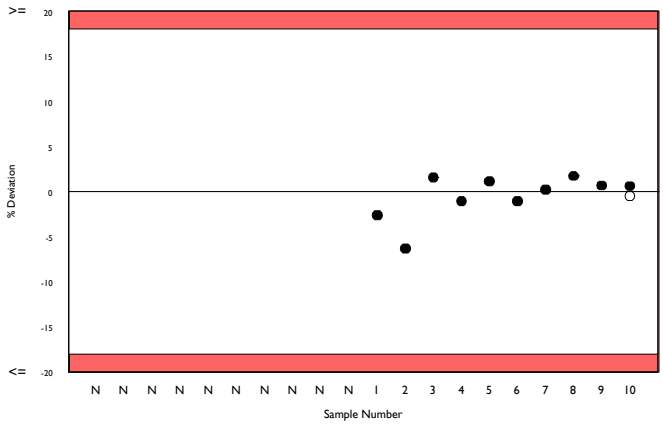
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.00%

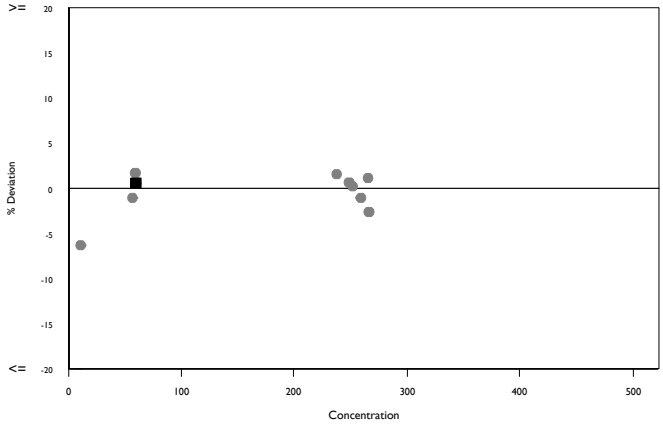


Method	N	Mean	CV%	U_m
Immunoinhibition, EPS substrate	149	60.273	10.2	0.63
Roche Liquid Stable pNPG7	138	59.549	3.5	0.22
Amyloclastic Methods	23	75.576	20.3	3.99
Beckman Synchron/CX/LXi/DxC	14	63.891	17.1	3.65
Randox Liquid Stable pNPG7	12	64.888	10.6	2.48
Other Dry Chemistry	10	73.840	14.1	4.11









RIQAS

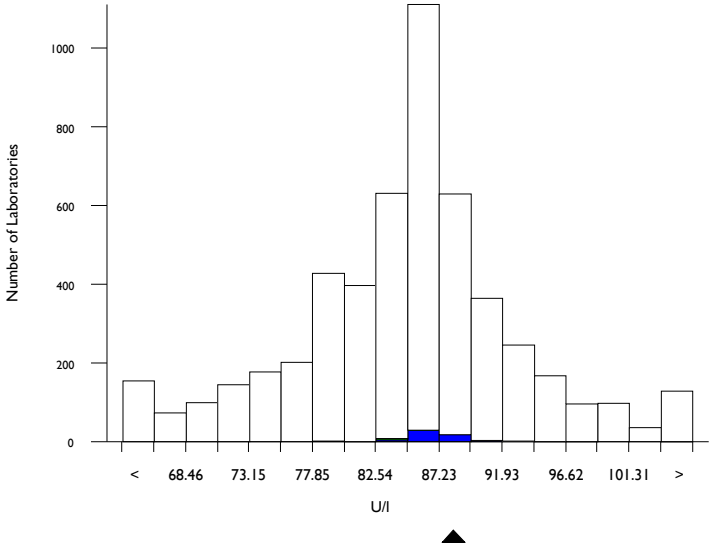
UKAS PROFICIENCY TESTING 0010

Amylase, Total, U/l @ 37°C

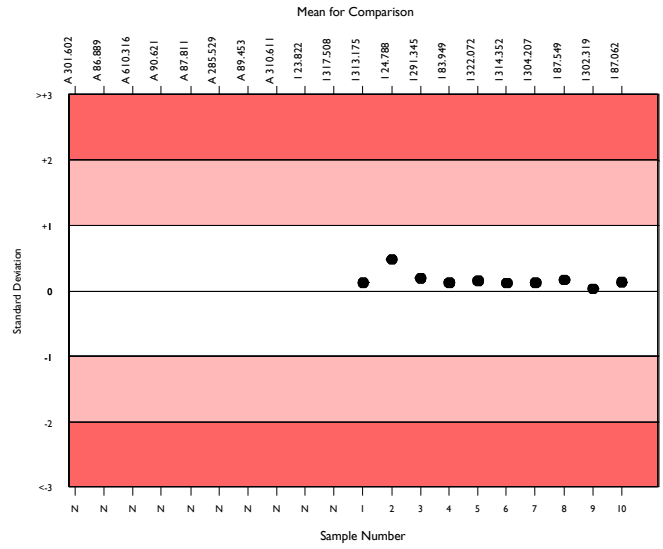
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4755	84.891	7.4	0.11	7.28	430
Abbott Architect Amylase 2	61	86.955	2.0	0.28	7.45	8
Abbott Architect c systems	58	87.062	1.9	0.28	7.46	8

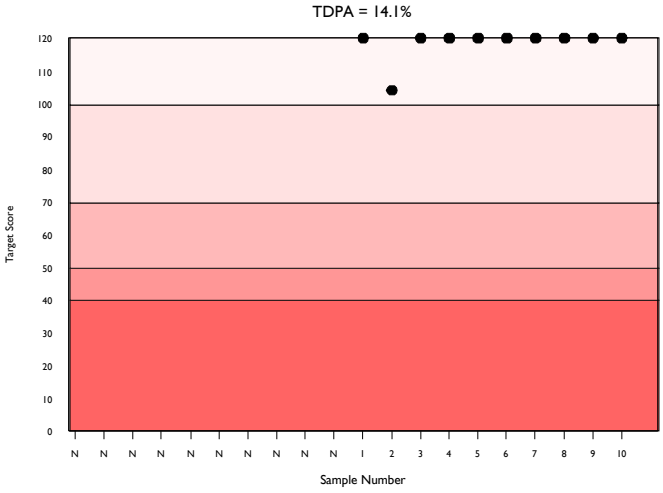
Your Result	88.000	SDI	0.13
		RMSDI	0.16
Mean for Comparison	87.062	TS	120
		RMTS	118
		%DEV	1.1
		RM%DEV	1.6

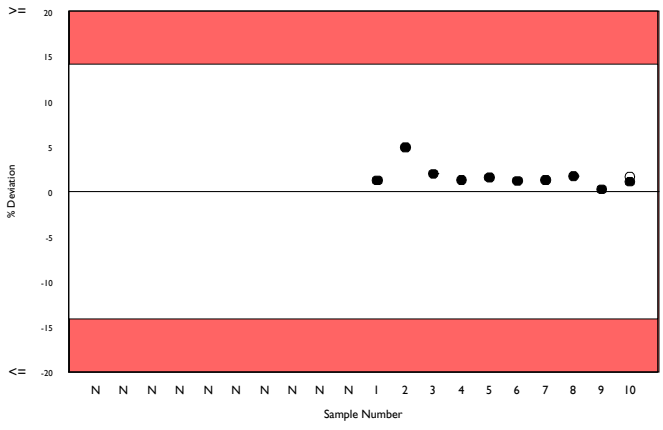
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.10%

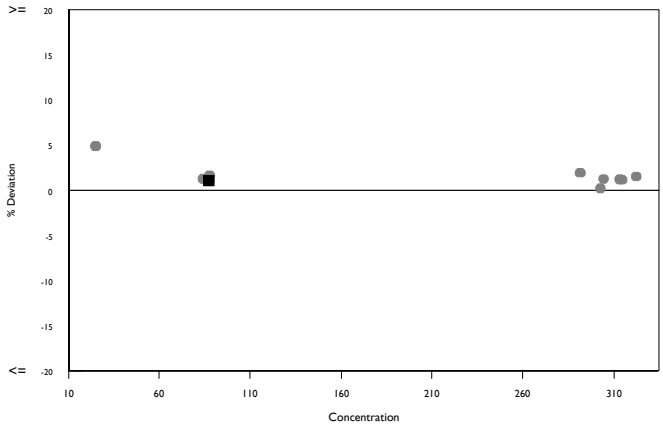


Method	N	Mean	CV%	U_m
Other 2-chloro-pNPG3	1052	83.106	10.0	0.32
Roche liquid stable pNPG7	958	85.126	2.4	0.08
Beckman Olympus blocked pNPG7	248	87.408	5.3	0.37
Beckman CNPG3 (Master Cal)	237	79.399	6.2	0.40
Siemens/Dade Behring 2-chloro-pNPG3	224	88.726	3.0	0.22
Siemens - blocked pNPG7	174	93.920	5.2	0.46
Other - blocked pNPG7	167	86.022	7.2	0.60
Ortho Vitros MicroSlide Systems	160	70.147	5.7	0.40
Beckman CNPG3 (Extinction Coeff)	136	77.998	4.1	0.34
Abbott Alinity Amylase 2	124	87.074	1.5	0.15
Other non blocked pNPG7	116	85.595	7.0	0.69
Randox Liquid Ethylidene pNPG7	112	92.578	6.9	0.76
Abbott Architect/Alinity cal factor 3431	103	87.765	2.2	0.24
Roche Integra 2-chloro-pNPG7	78	85.647	2.3	0.28
Human CNPG3 (IFCC)	68	81.684	9.5	1.17
pNP Maltotrioside substrates	67	85.839	7.9	1.03
Other 2-chloro-pNP-linked sub.	64	86.920	8.1	1.10
Agappe - CNPG3	64	78.225	4.6	0.56
Beckman Synchron AMY7	62	89.528	3.9	0.55
Abbott Architect Amylase 2	61	86.955	2.0	0.28
BM/Roche Colorimetric pNPG7	54	84.980	2.2	0.31









RIQAS

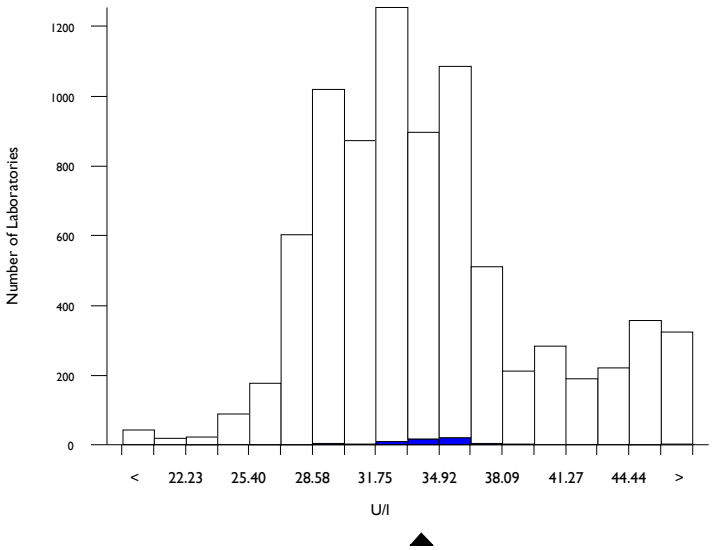
UKAS PROFICIENCY TESTING 0010

AST (GOT), U/l @ 37°C

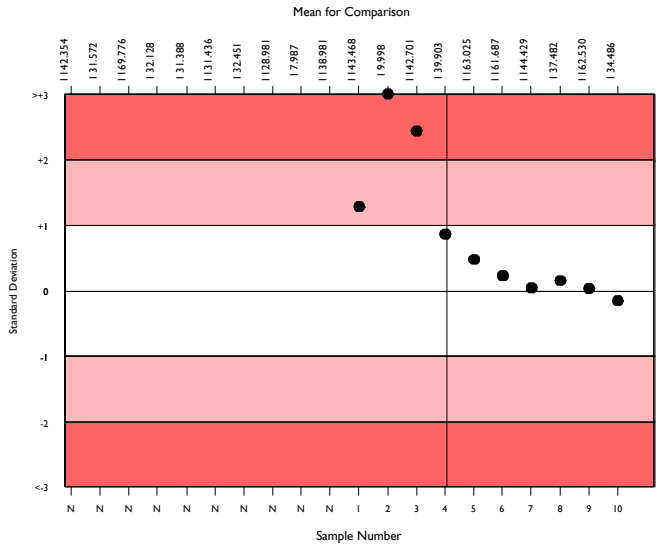
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7441	33.340	12.7	0.06	2.98	734
Abbott Architect AST 2	59	34.486	5.3	0.30	3.08	9
Abbott Architect c systems	59	34.486	5.3	0.30	3.08	8

Your Result	34.000	SDI	-0.16
		RMSDI	0.87
Mean for Comparison	34.486	TS	120
		RMTS	89
		%DEV	-1.4
		RM%DEV	7.8

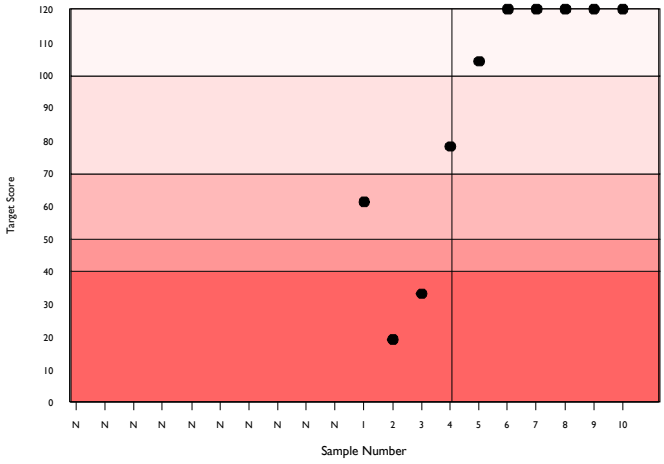
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.70%

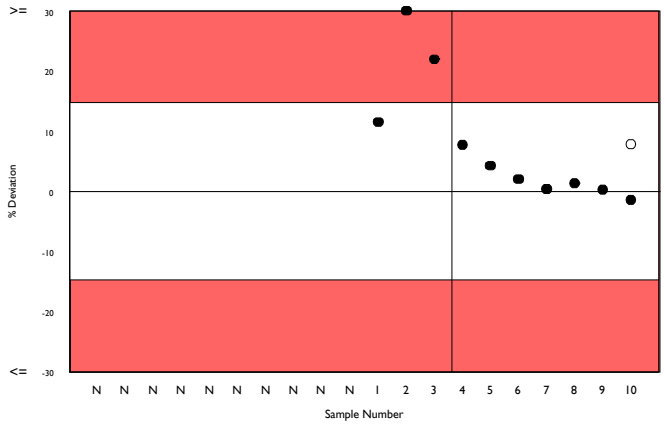


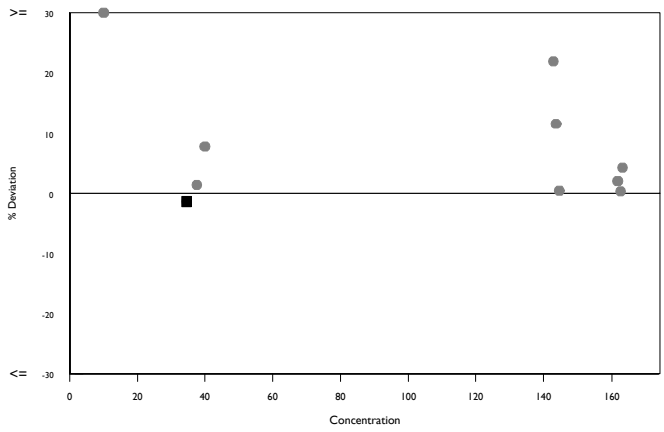
Method	N	Mean	CV%	U_m
Tris buffer without P5P	4838	32.281	11.4	0.07
Beckman Mod. IFCC Ref. without P5P	1038	33.742	6.0	0.08
Tris buffer with P5P	683	39.966	14.2	0.27
Ortho Vitros MicroSlide visible	256	45.560	4.8	0.17
Siemens/Dade standard non IFCC corr.	179	40.427	11.9	0.45
Abbott Alinity AST 2	128	34.673	4.7	0.18
Beckman IFCC Ref. with P5P	104	33.457	6.7	0.27
Agappe - IFCC	87	31.262	9.6	0.40
Other Dry Chemistry	69	31.751	4.2	0.20
Colorimetric	64	32.120	9.5	0.48
Abbott Architect AST 2	59	34.486	5.3	0.30
Tris buffer with P5P, NVKC	28	31.711	11.8	0.88
Phosphate buffer, DGKC	31	32.993	14.2	1.05
Tris buffer, SCE	17	35.037	10.7	1.14
Beckman (Extinction Coefficient)	9	33.260	5.2	0.72
MDH - JSCC	5	30.220	13.7	2.31
Vitros DT60/DT60 II/DTSC II	2	34.500	6.1	1.87



TDPA = 14.7%







RIQAS

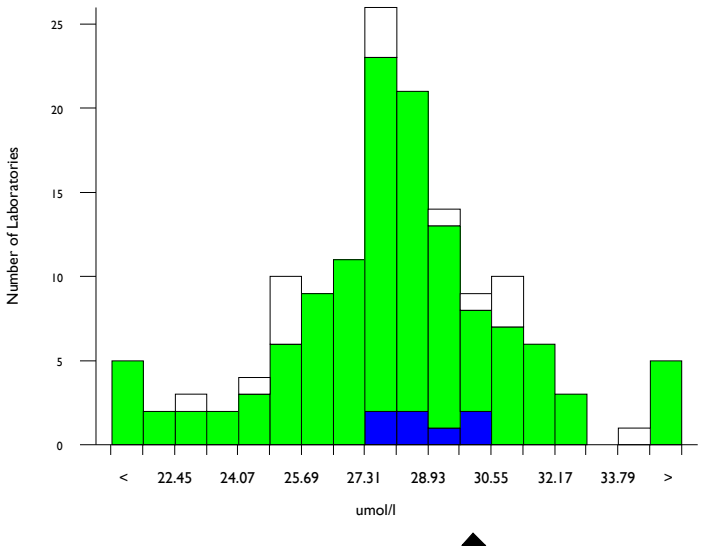
UKAS PROFICIENCY TESTING 0010

Bile Acids, umol/l

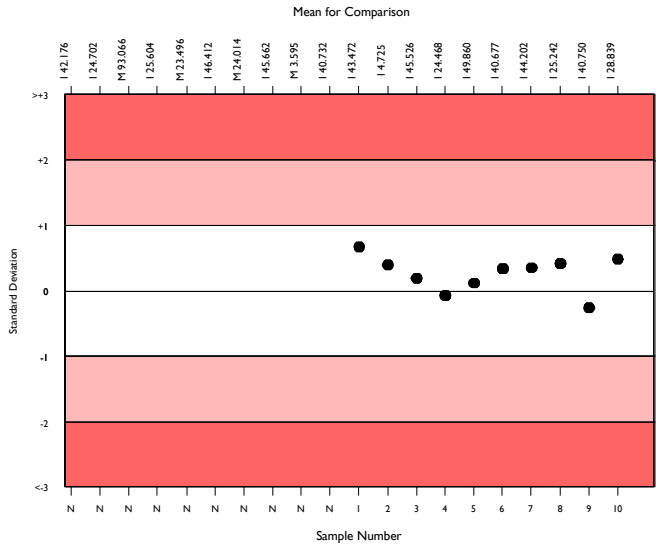
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	128	28.125	7.7	0.24	2.99	13
Enzymatic Colorimetric	114	28.221	7.3	0.24	3.00	12
Abbott Architect c systems	7	28.839	3.7	0.50	3.07	0

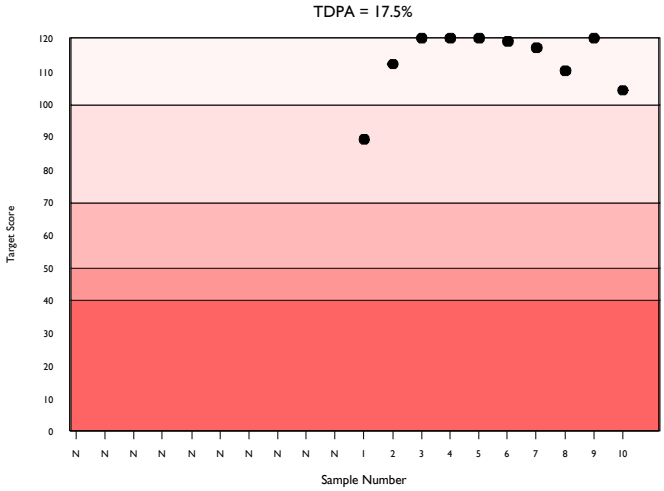
▲ Your Result	30.300	SDI	0.48
		RMSDI	0.26
Mean for Comparison	28.839	TS	104
		RMTS	113
		%DEV	5.1
		RM%DEV	3.8

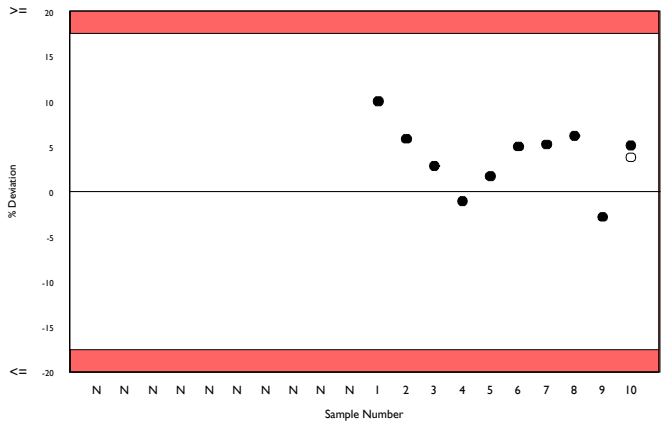
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.50%

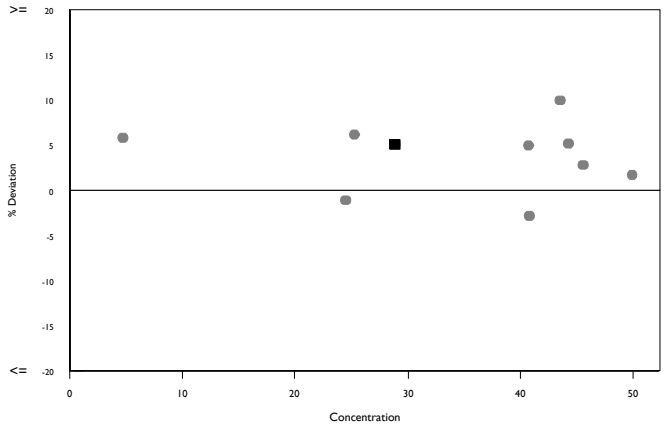


Method	N	Mean	CV%	U_m
Enzymatic Colorimetric	114	28.221	7.3	0.24
Enzymatic Colorimetric - Sentinel	15	27.769	11.3	1.01









RIQAS

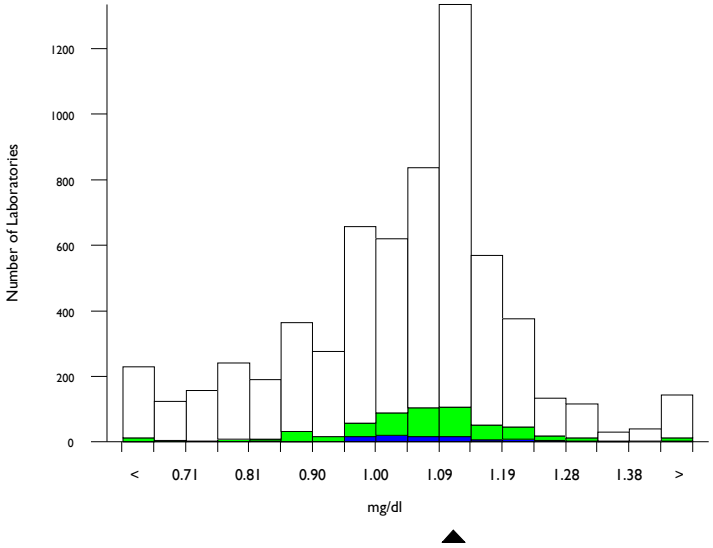
UKAS PROFICIENCY TESTING 0010

Bilirubin, Direct, mg/dl

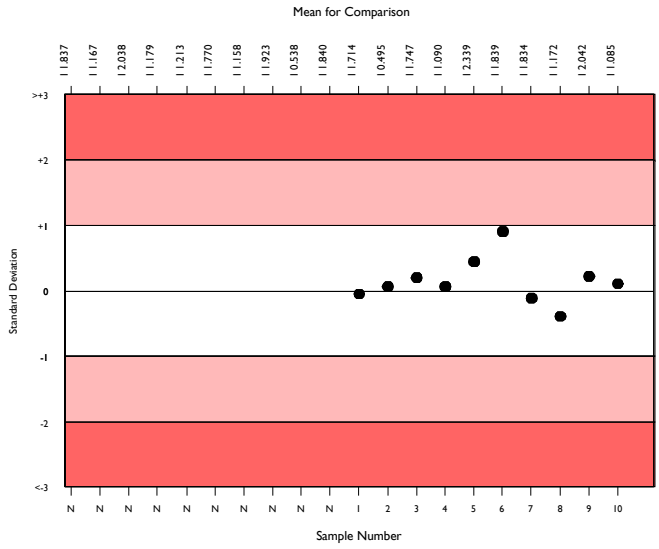
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5886	1.051	12.1	0.00	0.14	548
Diazo with Dichloroanaline	533	1.080	9.0	0.01	0.14	53
Abbott Architect c systems	89	1.085	7.2	0.01	0.14	13

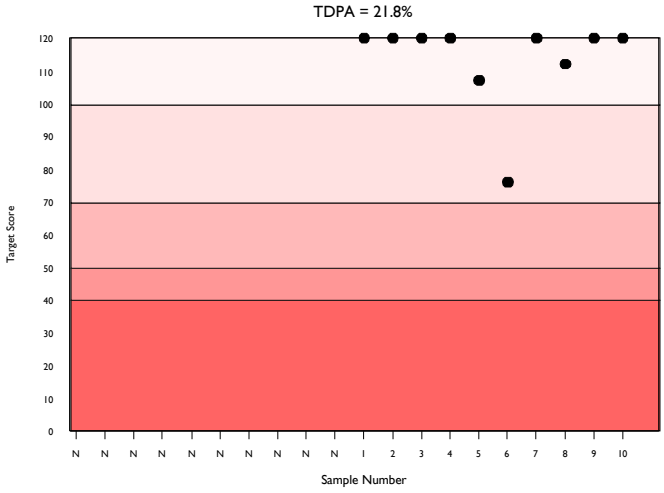
▲ Your Result	1.100	SDI	0.10
		RMSDI	0.14
Mean for Comparison	1.085	TS	120
		RMTS	113
		%DEV	1.4
		RM%DEV	2.1

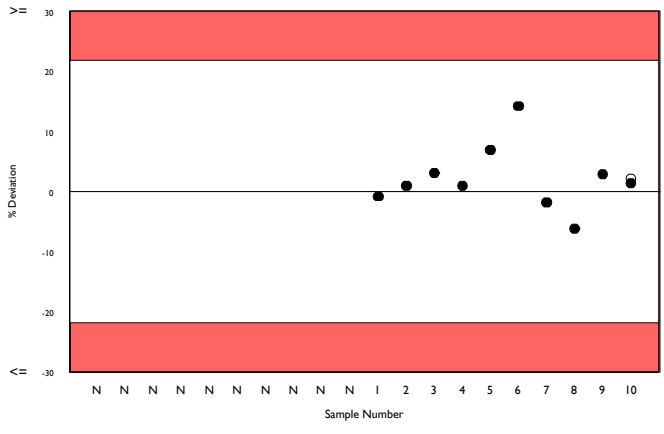
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.80%

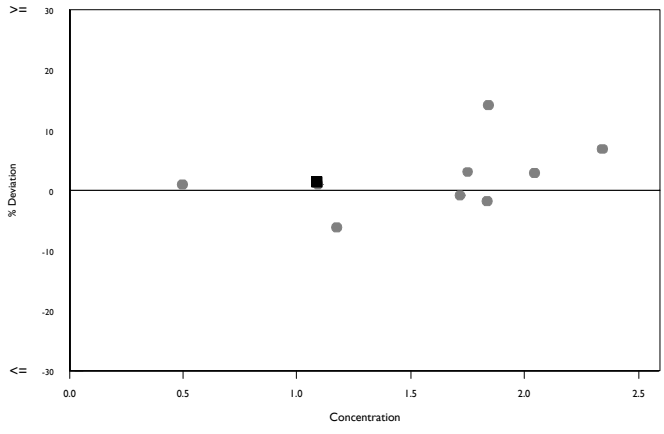


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2110	1.034	14.2	0.00
Dichlorophenyl Diazonium	1732	1.100	6.9	0.00
Diazo with Dichloroanaline	533	1.080	9.0	0.01
Oxidation to Biliverdin/Vanadate	389	1.005	7.4	0.00
Roche DPD JG standardised	375	1.117	5.4	0.00
Diazo/ Sulphanilic Siemens Dimension	234	0.756	4.9	0.00
Roche DPD Doumas standardised	221	1.021	11.6	0.01
Diazo/Sulphanilic Beckman DxC	109	1.113	7.3	0.01
Agappe - DIAZO	63	0.573	12.0	0.01
Other Dry Chemistry	56	0.942	7.8	0.01
Direct Spectrophotometry	12	1.073	22.1	0.09
Roche (US calibrator only)	3	1.145	1.5	0.01









RIQAS

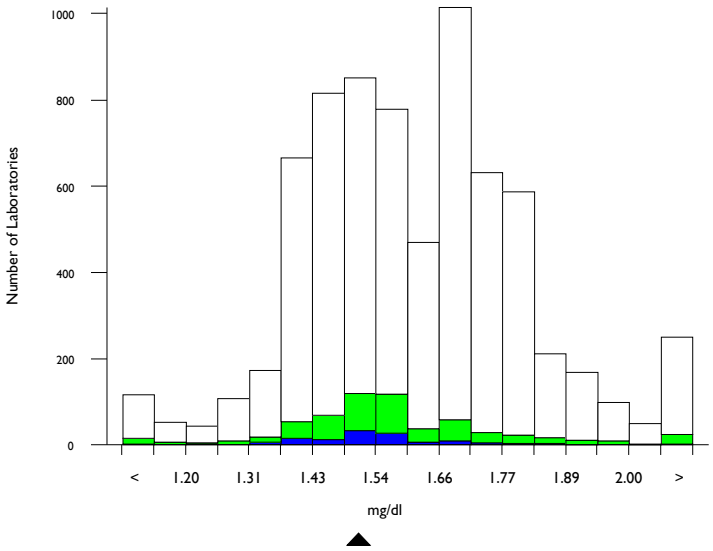
UKAS PROFICIENCY TESTING 0010

Bilirubin, Total, mg/dl

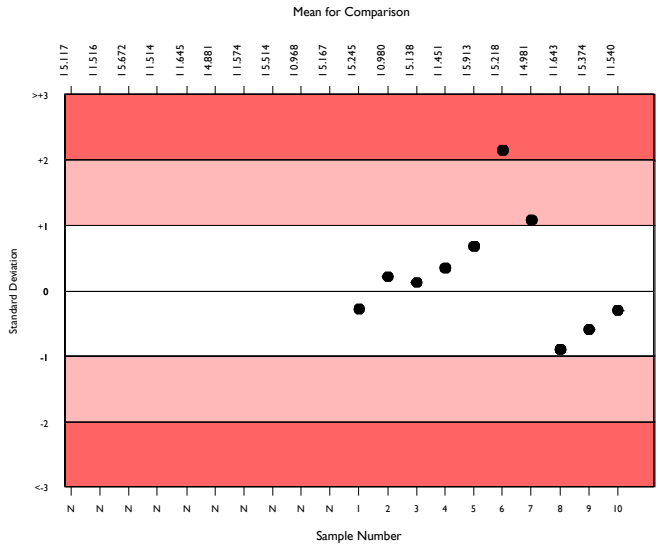
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6523	1.606	9.6	0.00	0.14	552
Diazo with Dichloroaniline	562	1.568	8.6	0.01	0.13	60
Abbott Architect c systems	121	1.540	7.2	0.01	0.13	12

▲ Your Result	1.500	SDI	-0.30
		RMSDI	0.25
Mean for Comparison	1.540	TS	120
		RMTS	96
		%DEV	-2.6
		RM%DEV	2.5

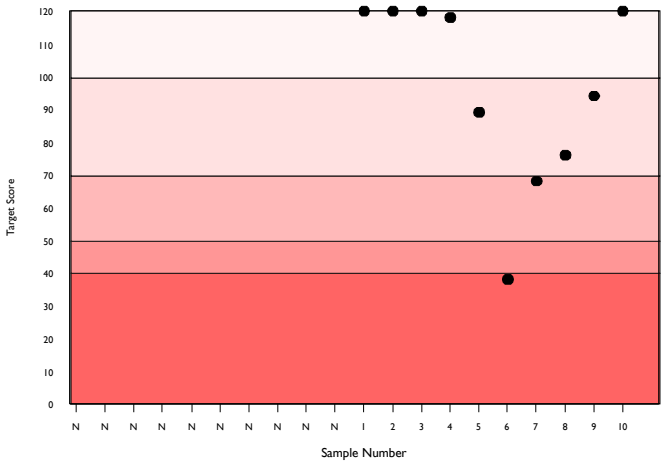
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.10%

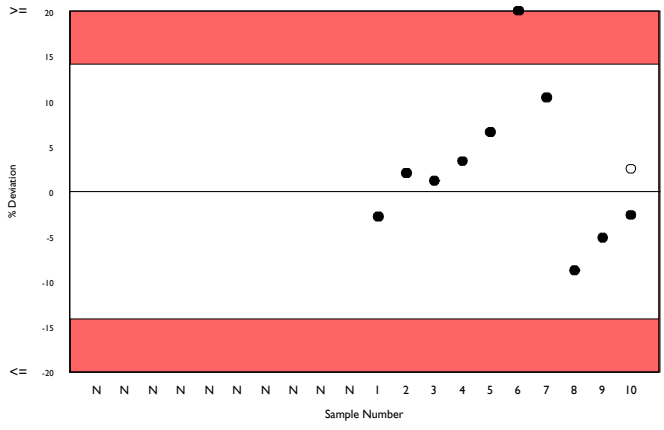


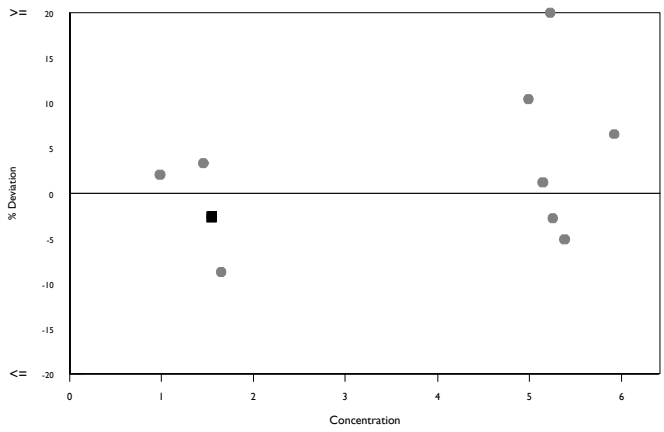
Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2318	1.654	9.5	0.00
Dichlorophenyl Diazonium	1476	1.535	8.2	0.00
DPD (Beckman AU)	688	1.726	3.3	0.00
Diazo with Dichloroaniline	562	1.568	8.6	0.01
Diazonium ion	558	1.488	5.6	0.00
Oxidation to Biliverdin/Vanadate	426	1.759	7.2	0.01
Ortho Vitros MicroSlide System Total Bil	222	1.463	7.6	0.01
Other Dry Chemistry	62	1.522	9.0	0.02
Agappe - TAB	49	1.465	6.0	0.02
Abbott Alinity Total Bilirubin 2	32	1.564	6.7	0.02
Nitrobenzenediazonium Salt	27	1.400	6.3	0.02
Agappe - DMSO	14	1.410	7.1	0.03
Abbott Architect Total Bilirubin 2	14	1.594	7.4	0.04
Direct Spectrophotometry	10	1.558	10.7	0.07
Vitros DT60/DT60 II Total Bil	5	1.687	14.6	0.14
Assel - DMSO	2	1.800	22.0	0.35



TDPA = 14.1%







RIQAS

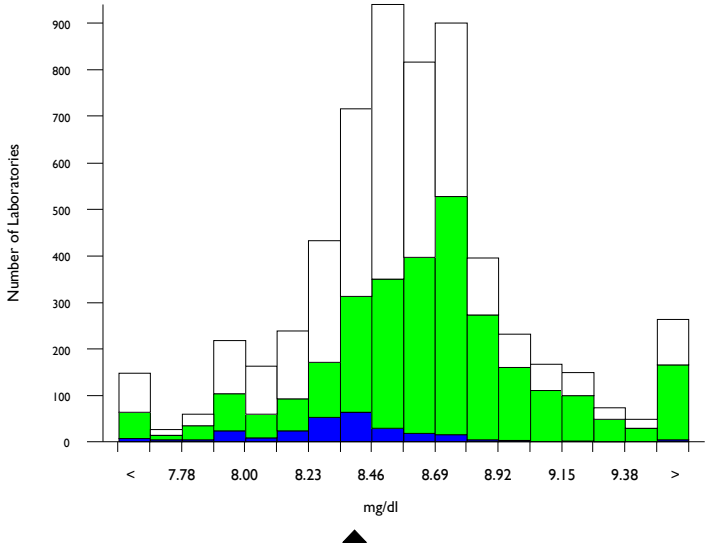
UKAS PROFICIENCY TESTING 0010

Calcium, mg/dl

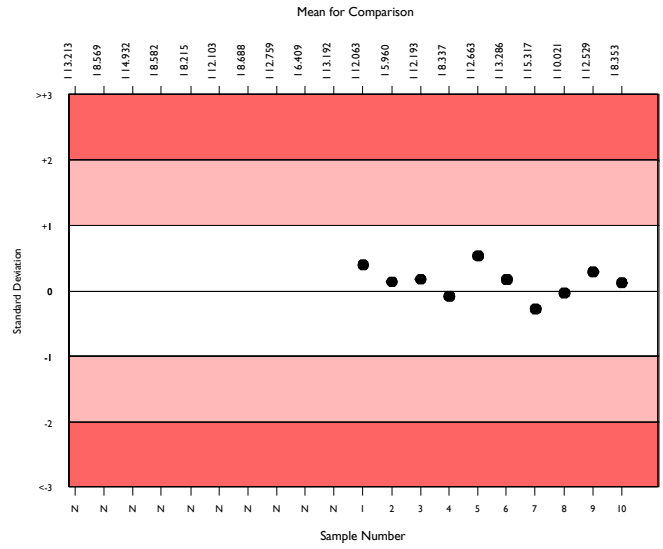
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5523	8.581	3.6	0.00	0.41	463
Arsenazo	2745	8.643	3.6	0.01	0.41	266
Abbott Architect c systems	241	8.353	2.5	0.02	0.40	24

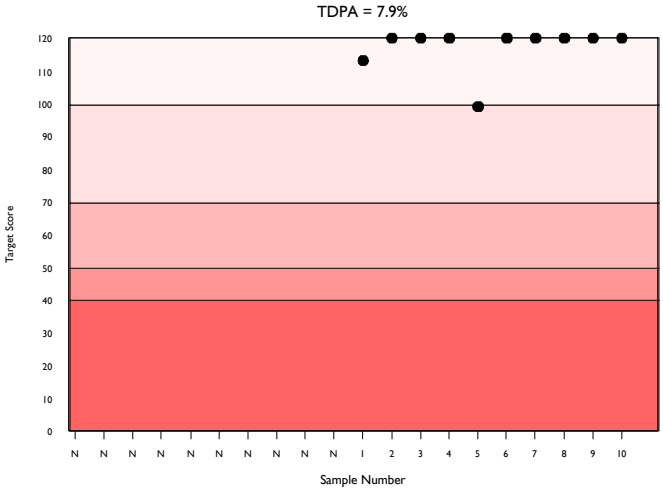
▲ Your Result	8.400	SDI	0.12
		RMSDI	0.14
Mean for Comparison	8.353	TS	120
		RMTS	117
		%DEV	0.6
		RM%DEV	0.7

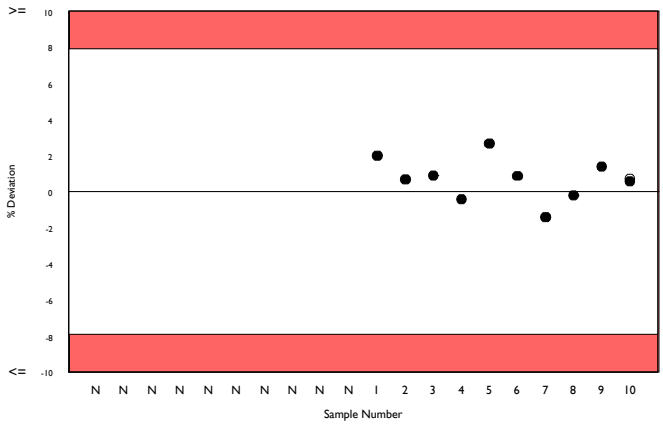
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	7.90%

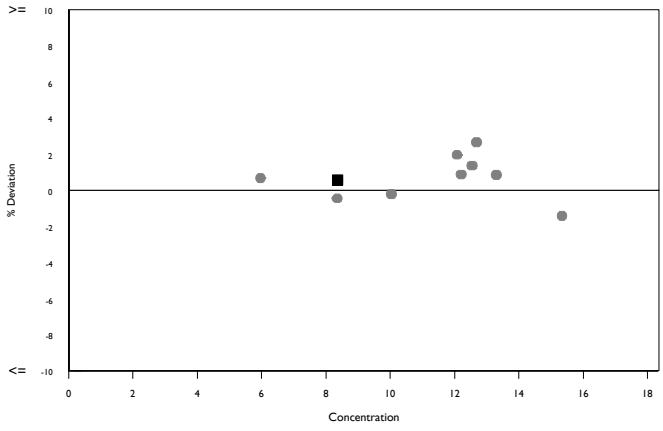


Method	N	Mean	CV%	U_m
Arsenazo	2745	8.643	3.6	0.01
Cresolphthalein complexone	1182	8.497	3.5	0.01
NM-BAPTA	1029	8.538	2.2	0.01
Ortho Vitros MicroSlide Systems	245	8.487	2.8	0.02
Ion selective electrode	127	8.640	4.9	0.05
Agappe - ARSENAZO	48	9.037	3.4	0.06
Other Dry Chemistry	45	8.292	4.6	0.07
Phosphonazo	33	8.608	6.2	0.12
Methylthymol blue	13	8.726	3.7	0.11
Atomic absorption	5	8.412	2.9	0.13
Agappe - OCPC	3	9.140	4.5	0.29
Optical Emission Spectroscopy	1	9.400	0.0	0.00









RIQAS

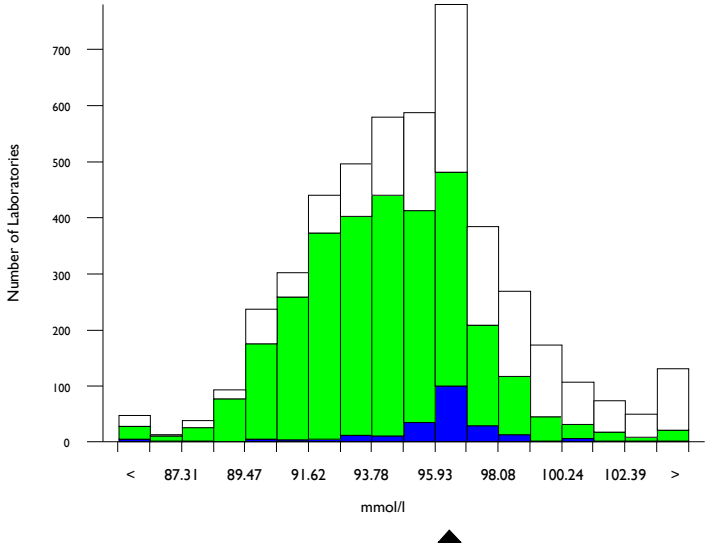
UKAS PROFICIENCY TESTING 0010

Chloride, mmol/l

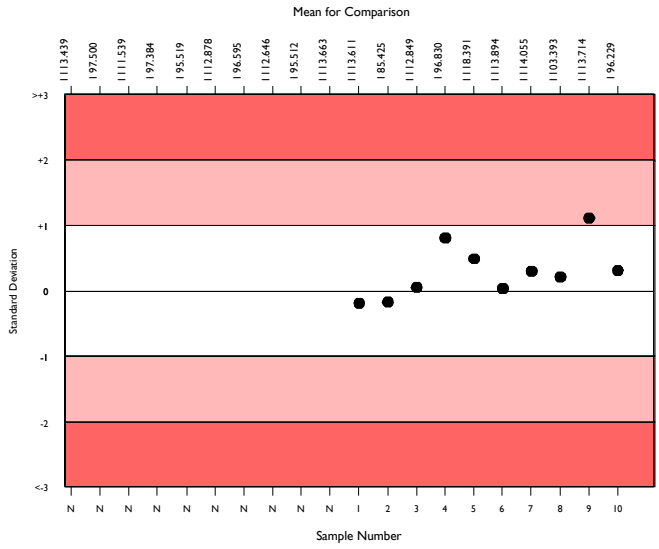
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4464	94.857	3.0	0.05	2.48	333
ISE, indirect	2945	94.122	2.6	0.06	2.46	183
Abbott Architect c systems	206	96.229	1.6	0.14	2.52	25

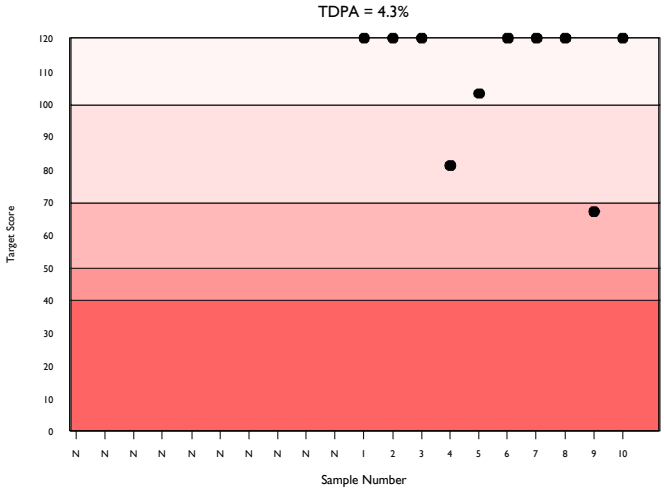
▲ Your Result	97.000	SDI	0.31
		RMSDI	0.29
Mean for Comparison	96.229	TS	120
		RMTS	109
		%DEV	0.8
		RM%DEV	0.8

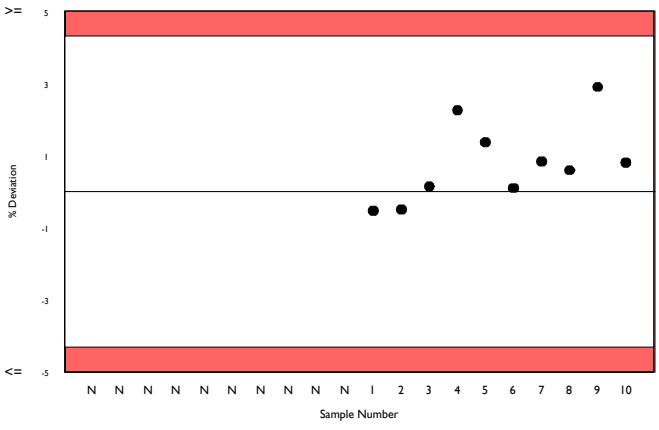
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.30%

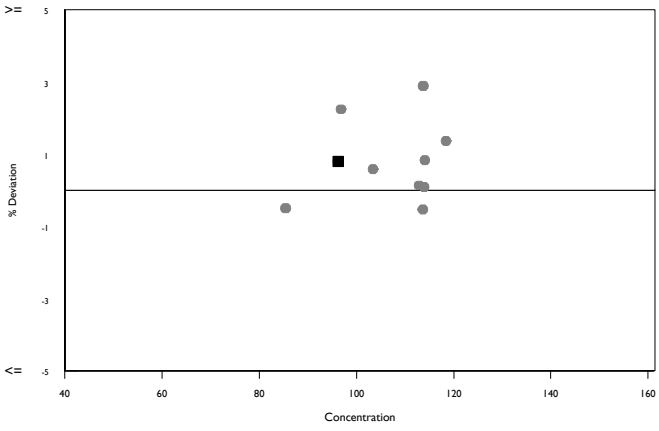


Method	N	Mean	CV%	U_m
ISE, indirect	2945	94.122	2.6	0.06
ISE, direct	1202	96.580	3.5	0.12
Ortho Vitros MicroSlide Systems	151	96.578	1.3	0.13
Colorimetric	125	97.803	3.5	0.38
Other Dry Chemistry	48	94.617	2.4	0.42
Agappe - THIOCYANATE	22	112.816	1.5	0.46









RIQAS

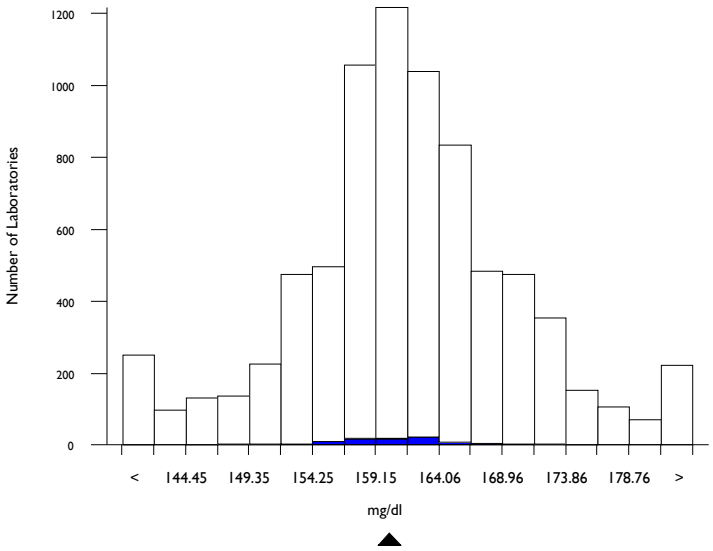
UKAS PROFICIENCY TESTING 0010

Cholesterol, mg/dl

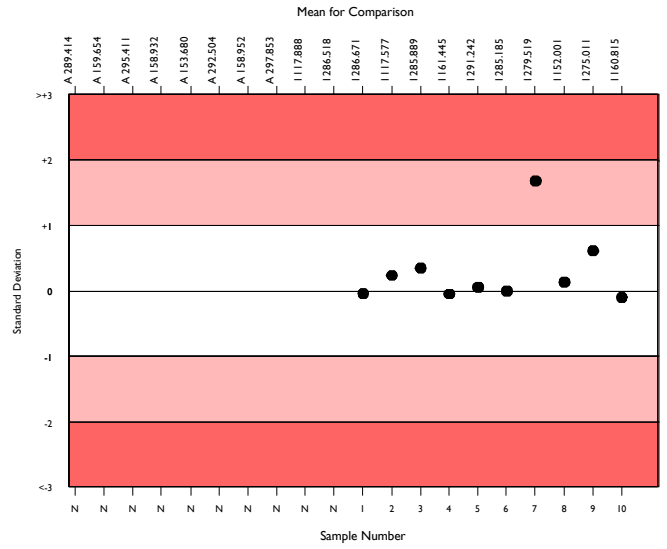
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7127	161.610	4.0	0.10	7.76	674
Abbott Architect Cholesterol 2	81	160.604	2.2	0.49	7.71	10
Abbott Architect c systems	79	160.815	2.3	0.52	7.72	9

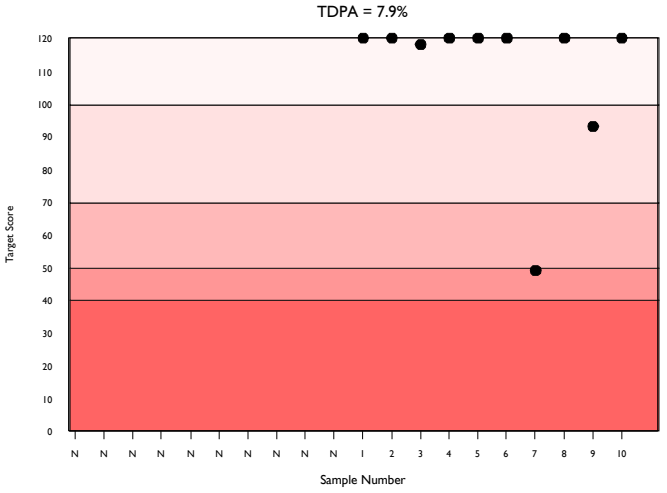
Your Result	160.000	SDI	-0.11
		RMSDI	0.28
Mean for Comparison	160.815	TS	120
		RMTS	110
		%DEV	-0.5
		RM%DEV	1.4

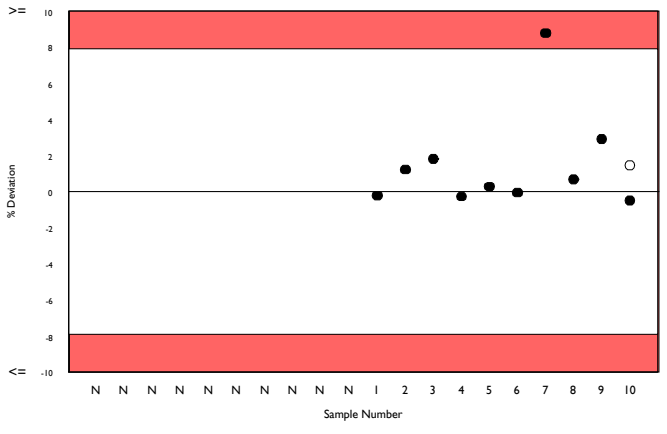
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	7.90%

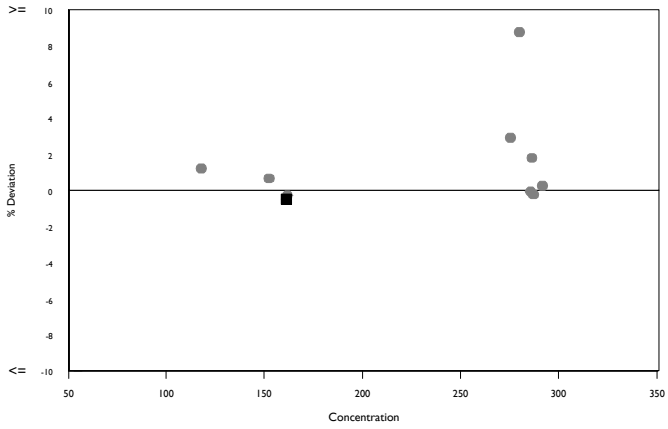


Method	N	Mean	CV%	U_m
Cholesterol Oxidase - Abell Kendall	4924	162.147	3.8	0.11
Cholesterol Oxidase - IDMS	1136	162.611	3.3	0.20
Ortho Vitros MicroSlide Systems	249	158.964	3.7	0.47
Siemens Dimension	248	147.266	4.4	0.51
Cholesterol Dehydrogenase	192	162.524	5.0	0.73
Abbott Alinity Cholesterol 2	133	160.275	2.1	0.37
Agappe - CHOD-PAP	83	154.846	5.4	1.15
Abbott Architect Cholesterol 2	81	160.604	2.2	0.49
Other Dry Chemistry	61	158.201	4.6	1.17
Dimension - non Siemens reagents	2	158.846	2.7	3.84









RIQAS

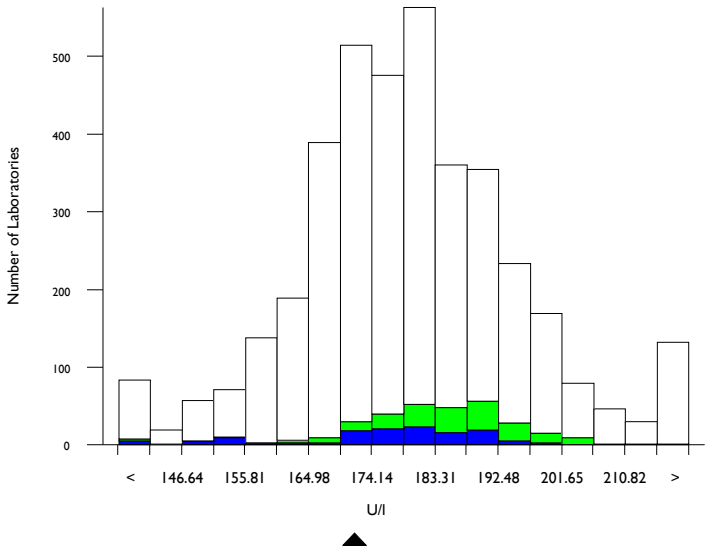
UKAS PROFICIENCY TESTING 0010

CK, Total, U/l @ 37°C

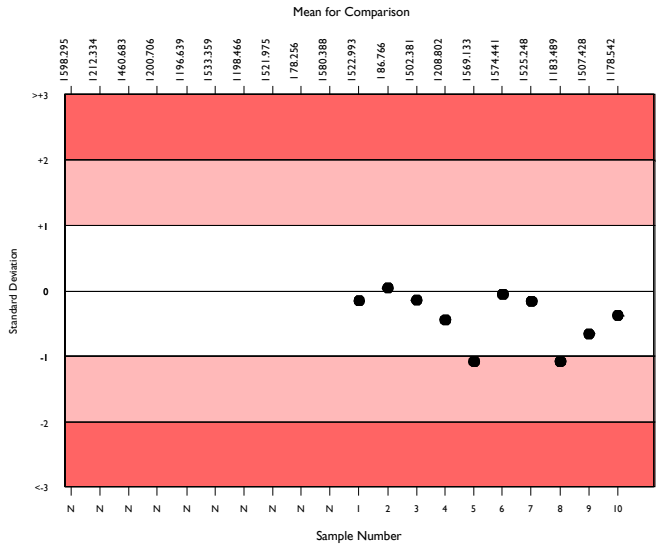
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3607	178.733	6.8	0.25	11.95	295
Abbott CK-NAC (IFCC)	294	184.041	5.0	0.67	12.31	29
Abbott Architect c systems	123	178.542	6.2	1.25	11.94	11

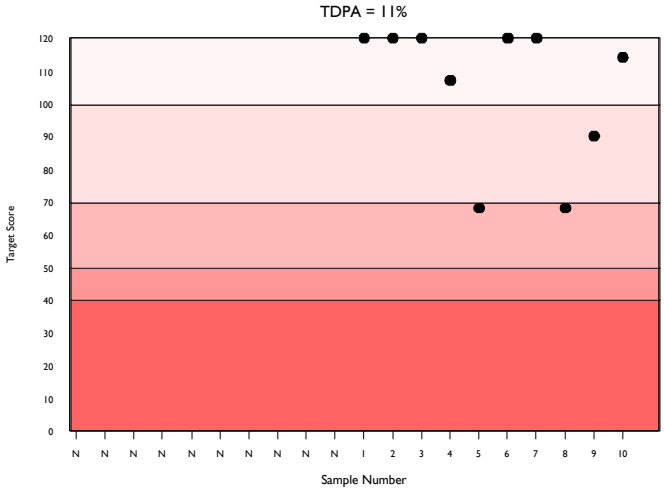
Your Result	174.000	SDI	-0.38
		RMSDI	-0.41
Mean for Comparison	178.542	TS	114
		RMTS	104
		%DEV	-2.5
		RM%DEV	-3.0

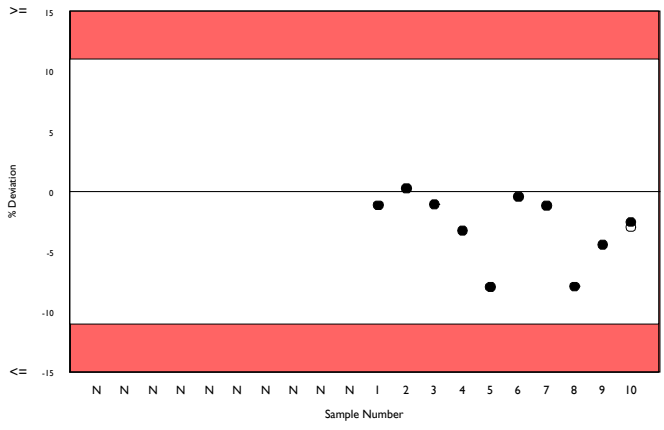
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%

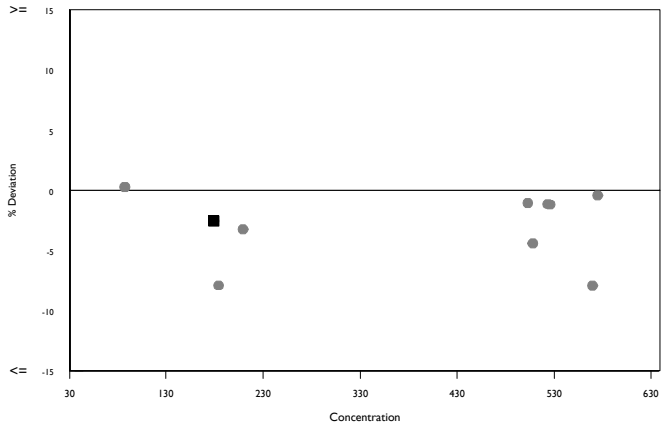


Method	N	Mean	CV%	U_m
CK-NAC (IFCC)	2005	175.443	5.9	0.29
Beckman CK-NAC (IFCC)	598	188.130	5.0	0.48
Abbott CK-NAC (IFCC)	294	184.041	5.0	0.67
Ortho Vitros MicroSlide Systems	159	166.825	7.2	1.19
CK-NAC substrate start (DGKC)	163	180.061	8.0	1.41
Creatine phosphate substrate start	119	173.378	5.3	1.06
CK-NAC serum start (DGKC)	94	178.999	9.5	2.20
Monothioglycerol	54	189.541	4.0	1.28
Agappe - IFCC/KINETIC	36	192.913	4.6	1.84
Other Dry Chemistry	31	260.548	9.0	5.25
Beckman CK-NAC (Extinction Coeff)	18	181.092	7.7	4.10
Dithioerythritol (DTE), IFCC correlated	11	172.945	4.4	2.87
Dithioerythritol (DTE)	3	185.433	7.4	9.89









RIQAS

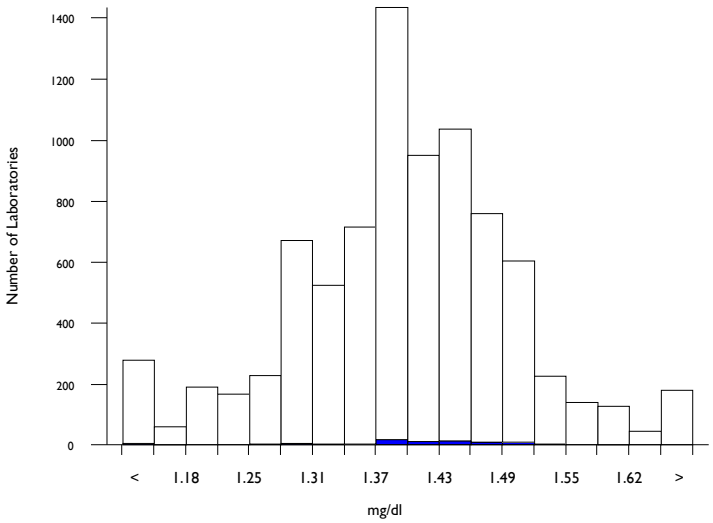
UKAS PROFICIENCY TESTING 0010

Creatinine, mg/dl

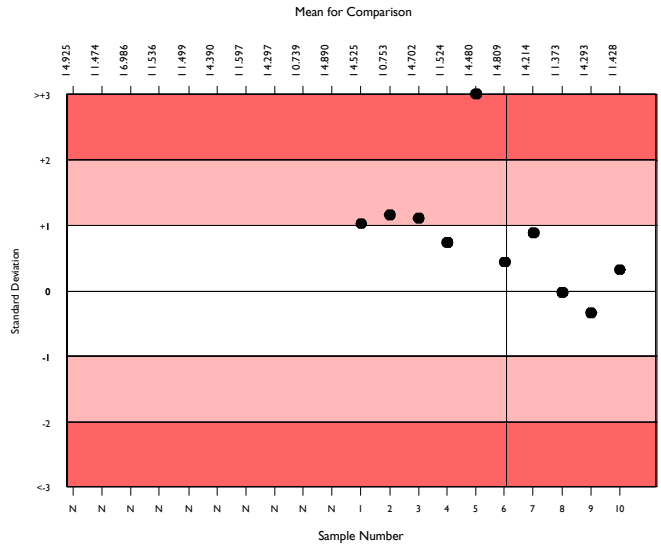
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7701	1.405	5.8	0.00	0.10	626
Abbott Architect Creatinine 2	69	1.428	4.0	0.01	0.10	10
Abbott Architect c systems	69	1.428	4.0	0.01	0.10	10

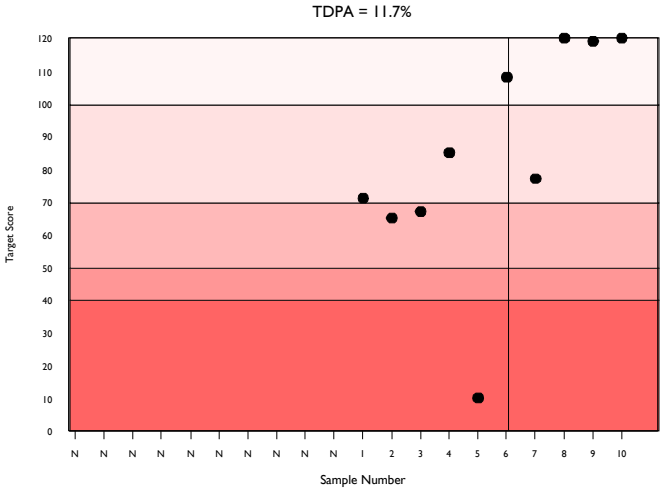
▲ Your Result	1.460	SDI	0.32
		RMSDI	140.55
Mean for Comparison	1.428	TS	120
		RMTS	84
		%DEV	2.3
		RM%DEV	104.0

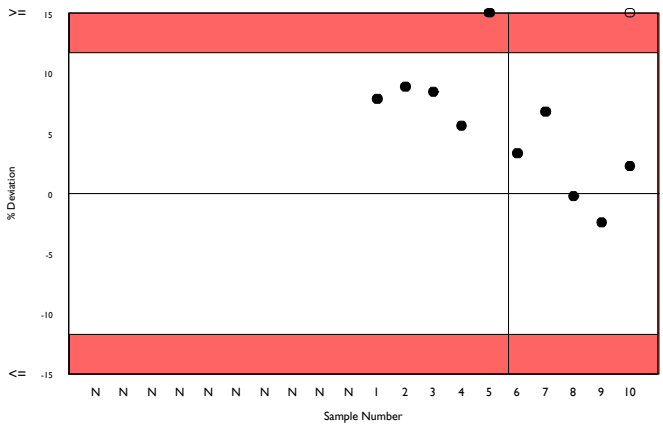
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.70%

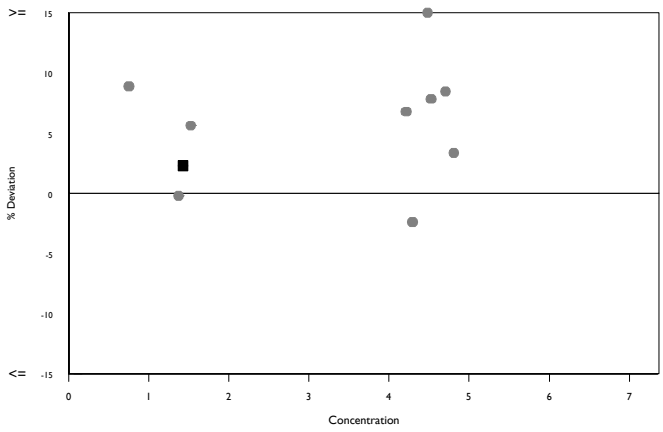


Method	N	Mean	CV%	U_m
Alkaline picrate no deproteinisation	1840	1.407	6.5	0.00
Jaffe rate blanked	1768	1.400	6.4	0.00
Jaffe rate blanked comp. (-26umol/l)	908	1.420	4.6	0.00
IDMS traceable	444	1.371	6.0	0.00
Enzymatic UV method (340nm)	411	1.412	4.4	0.00
Roche Creatinine Plus	378	1.452	2.9	0.00
Jaffe rate comp. (-18umol/l)	388	1.373	5.9	0.01
Other enzymatic methods	369	1.415	4.4	0.00
Creatinine PAP method	333	1.412	5.3	0.01
Alkaline picrate with deproteinisation	185	1.428	6.2	0.01
Vitros, IDMS traceable	177	1.359	3.5	0.00
Other Dry Chemistry	110	1.348	6.2	0.01
Abbott Alinity Creatinine 2	72	1.416	3.7	0.01
Abbott Architect Creatinine 2	69	1.428	4.0	0.01
Agappe - JAFFE'S KINETIC	70	1.405	7.3	0.02
Jaffe rate blanked comp. (-33umol/l)	54	1.415	6.8	0.02
Vitros DT60/DT60 II/DTSC II	33	1.370	3.9	0.01
Agappe - ENZYMATIC	28	1.408	7.4	0.02









RIQAS

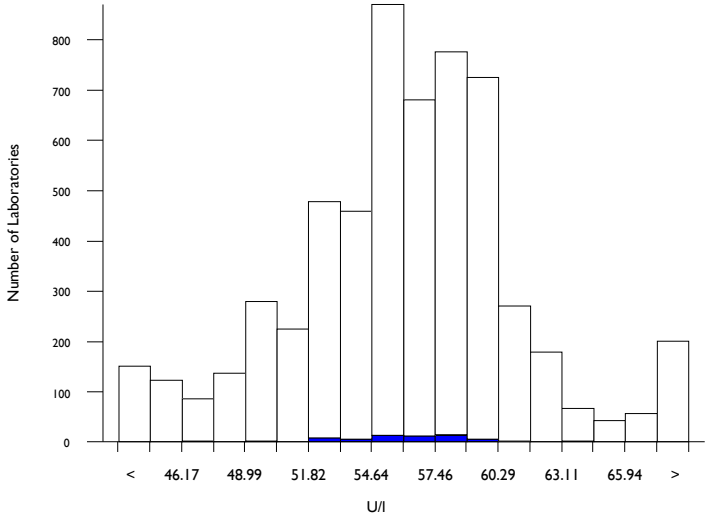
UKAS PROFICIENCY TESTING 0010

GGT, U/l @ 37°C

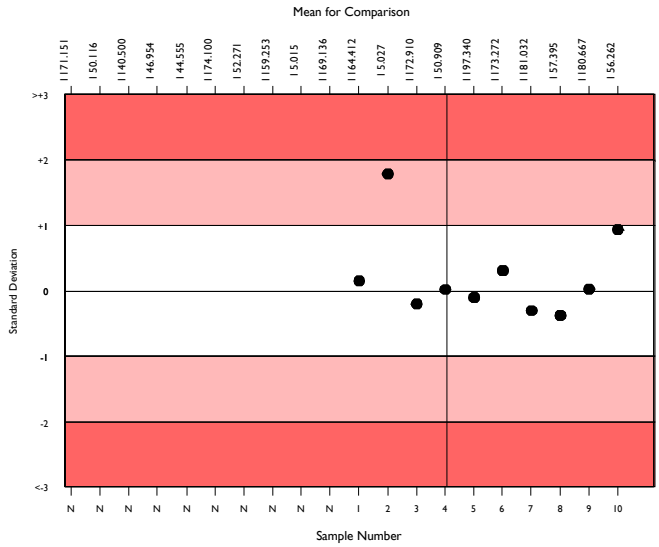
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5268	56.057	6.7	0.06	5.08	530
Abbott Architect GGT 2	58	56.366	3.6	0.34	5.11	5
Abbott Architect c systems	58	56.262	3.8	0.35	5.10	4

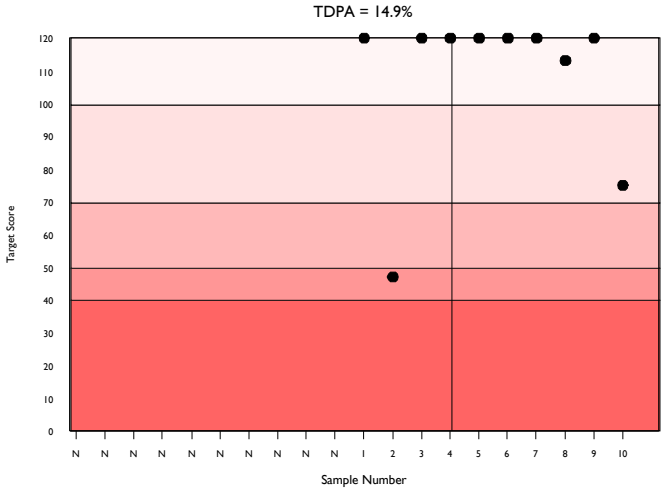
▲ Your Result	61.000	SDI	0.93
		RMSDI	0.22
Mean for Comparison	56.262	TS	75
		RMTS	107
		%DEV	8.4
		RM%DEV	2.2

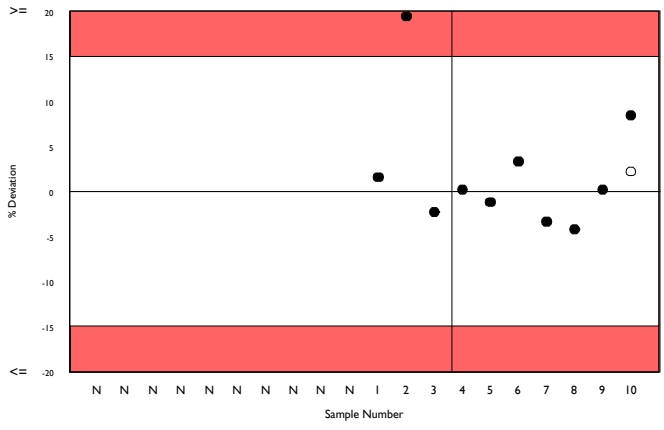
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.90%

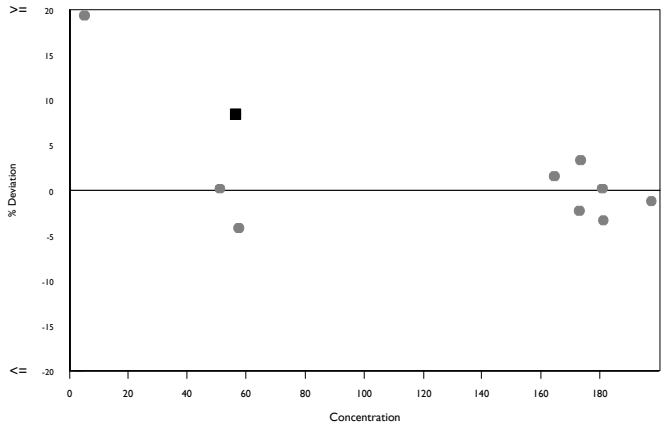


Method	N	Mean	CV%	U_m
Gamma glut'3-carb'4-nitro(IFCC)	3370	56.620	5.6	0.07
Gamma glut.-3-carb.-4-nitro.	1006	53.578	7.5	0.16
Ortho Vitros MicroSlide Systems	165	60.654	3.3	0.19
Siemens Dimension	152	67.985	5.9	0.41
Abbott Alinity GGT 2	158	55.095	3.6	0.20
Gamma glutamyl-4-nitroanilide	123	54.193	9.7	0.59
DCL, gamma glut.-3-carb.-4-nitro.	87	55.399	6.3	0.47
Beckman Szasz (Extinction Coeff.)	77	56.090	7.2	0.58
Agappe - SZASZ KINETIC	57	57.165	4.4	0.42
Abbott Architect GGT 2	58	56.366	3.6	0.34
Other Dry Chemistry	53	45.740	4.8	0.38
Randox Colorimetric	6	56.833	7.5	2.18
Vitros, DT60/DT60 II/DTSC II	2	61.785	5.1	2.77









RIQAS

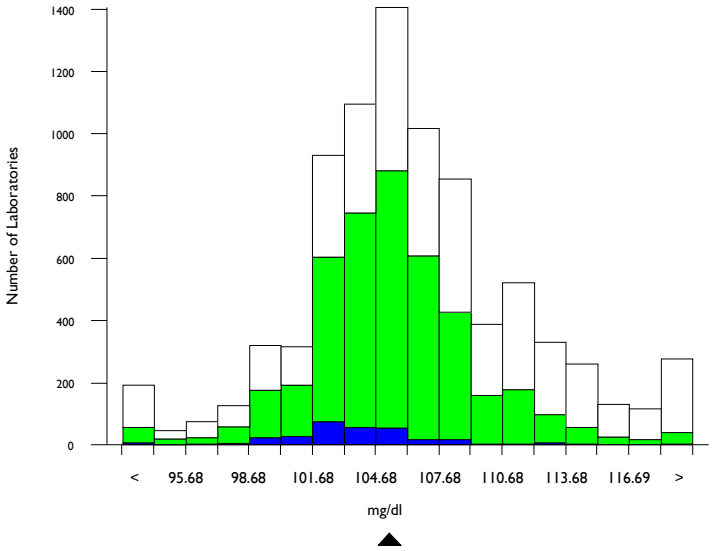
UKAS PROFICIENCY TESTING 0010

Glucose, mg/dl

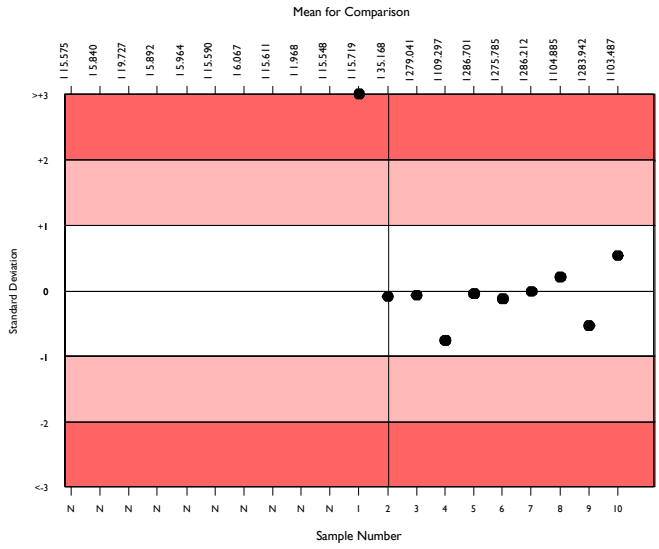
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7731	106.186	3.8	0.06	4.84	658
Hexokinase	4051	105.276	2.8	0.06	4.80	306
Abbott Architect c systems	273	103.487	2.3	0.18	4.72	28

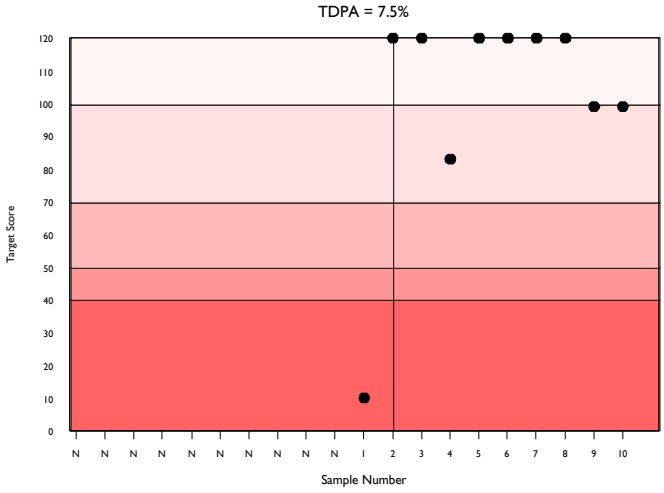
▲ Your Result	106.000	SDI	0.53
		RMSDI	32.81
Mean for Comparison	103.487	TS	99
		RMTS	101
		%DEV	2.4
		RM%DEV	99.4

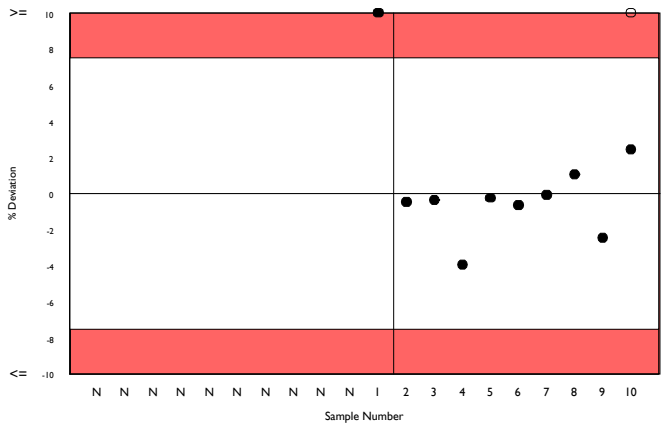
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	7.50%

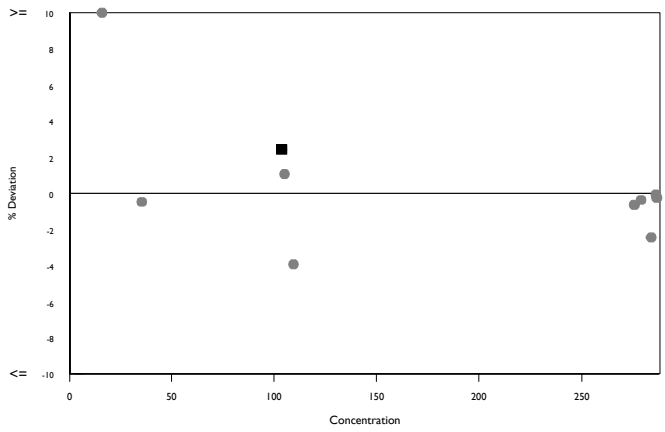


Method	N	Mean	CV%	U_m
Hexokinase	4051	105.276	2.8	0.06
Glucose oxidase	3164	107.649	4.8	0.11
Ortho Vitros MicroSlide Systems	246	105.718	2.5	0.21
Agappe - GOD-PAP	87	109.211	4.4	0.65
Glucose dehydrogenase	81	106.870	5.0	0.74
Other Dry Chemistry	59	105.388	2.9	0.49
GOD/02-Beckman method	41	106.497	2.9	0.61
Oxygen electrode	11	106.156	2.3	0.92
Pyranose Oxidase / Peroxidase	5	110.938	6.7	4.12









RIQAS

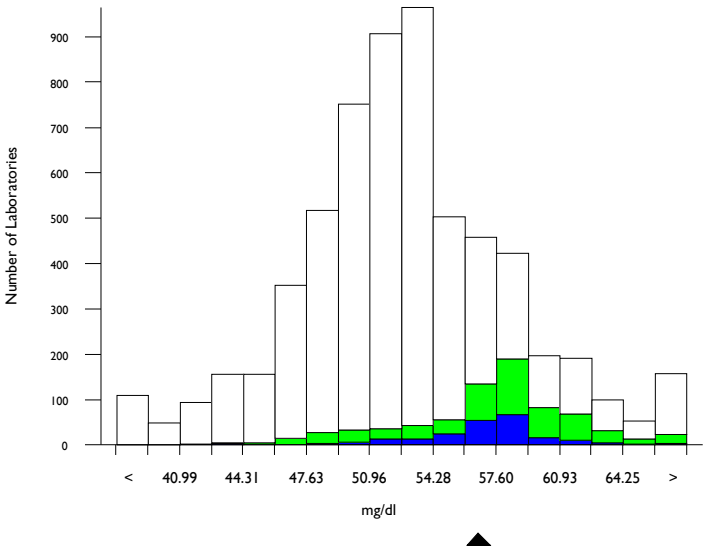
UKAS PROFICIENCY TESTING 0010

HDL-Cholesterol, mg/dl

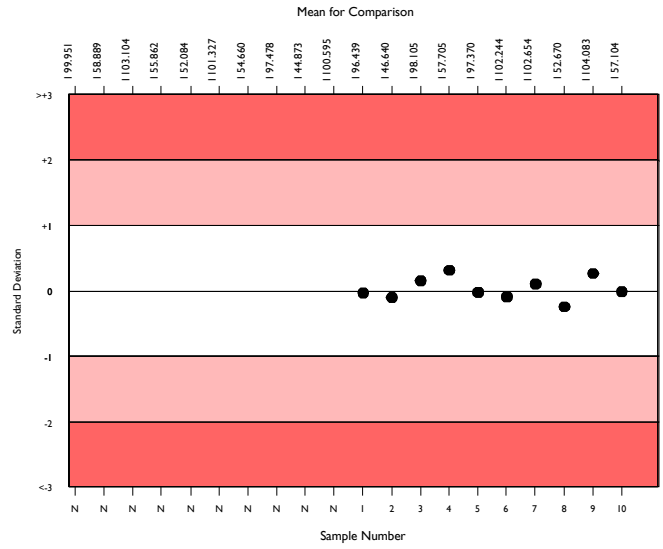
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5674	52.623	8.4	0.07	5.66	458
HDL Ultra/Accel Selective Detergent	703	57.436	6.2	0.17	6.18	58
Abbott Architect c systems	199	57.104	4.3	0.22	6.14	20

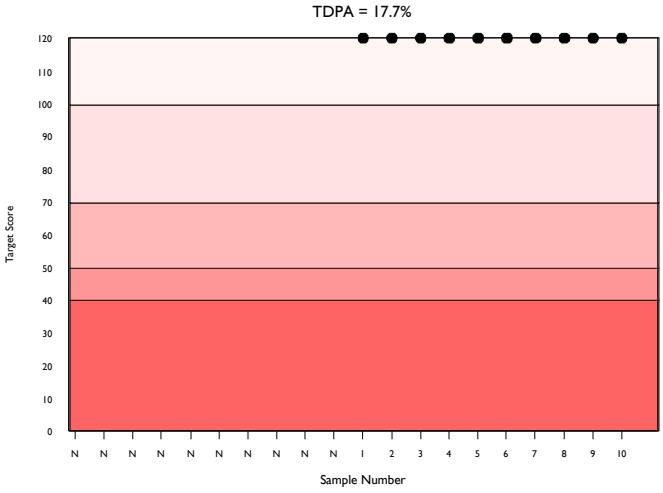
▲ Your Result	57.000	SDI	-0.02
		RMSDI	0.03
Mean for Comparison	57.104	TS	120
		RMTS	120
		%DEV	-0.2
		RM%DEV	0.3

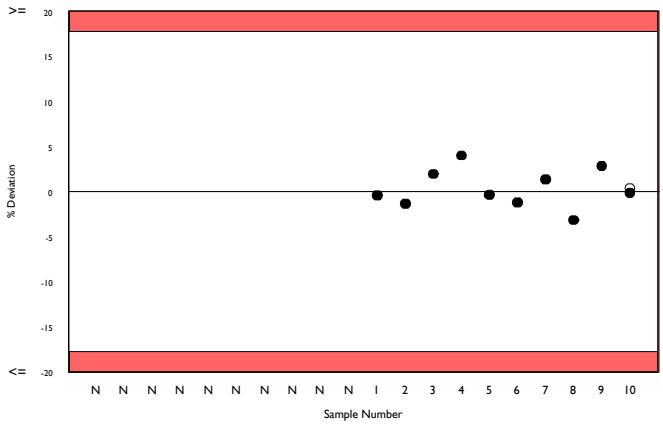
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.70%

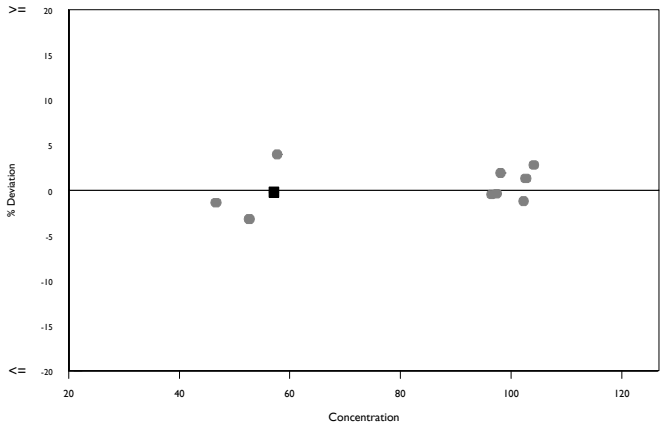


Method	N	Mean	CV%	U_m
Direct HDL, Roche 4th gen.	1421	52.387	3.6	0.06
Direct HDL, Clearance method	1177	50.612	12.2	0.22
Direct HDL, Immunoseparation	983	50.264	6.8	0.13
HDL Ultra/Accel Selective Detergent	703	57.436	6.2	0.17
Direct HDL, PEGME	551	52.594	9.4	0.26
Direct HDL, PPD	421	54.183	8.3	0.27
Vitros dHDL, PTA/MgCl2 direct precip.	179	54.081	5.2	0.26
Agappe - SELECTIVE INHIBITION	73	54.094	5.0	0.39
Other Dry Chemistry	77	54.908	5.0	0.39
Vitros, Magnetic HDL	26	53.361	5.7	0.74
Vitros 5.1 FS Microtip assay	10	53.960	4.1	0.87









RIQAS

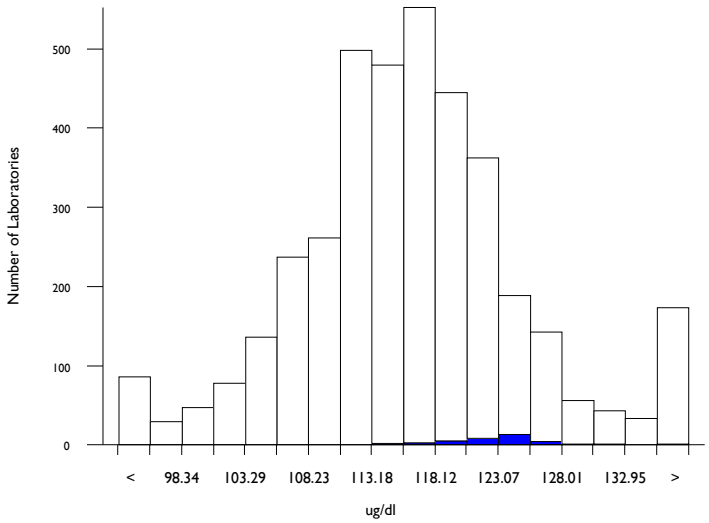
UKAS PROFICIENCY TESTING 0010

Iron, ug/dl

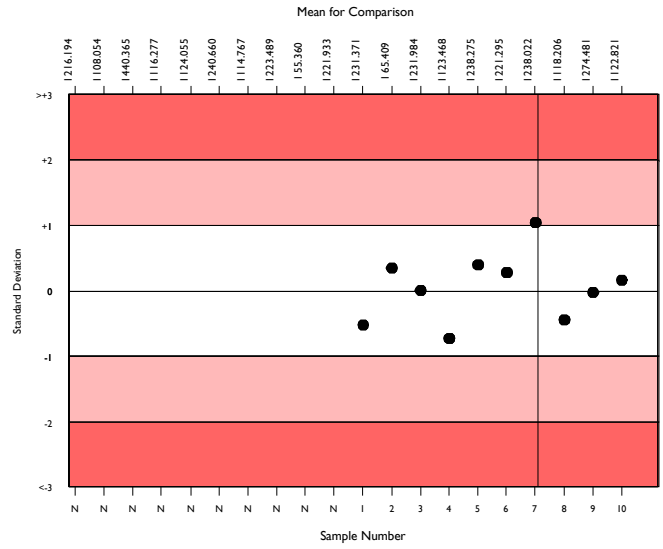
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3530	115.654	5.7	0.14	6.89	314
Abbott Architect Iron 2	34	122.821	2.5	0.65	7.32	4
Abbott Architect c systems	34	122.821	2.5	0.65	7.32	4

Your Result	124.000	SDI	0.16
		RMSDI	0.05
Mean for Comparison	122.821	TS	120
		RMTS	107
		%DEV	1.0
		RM%DEV	0.3

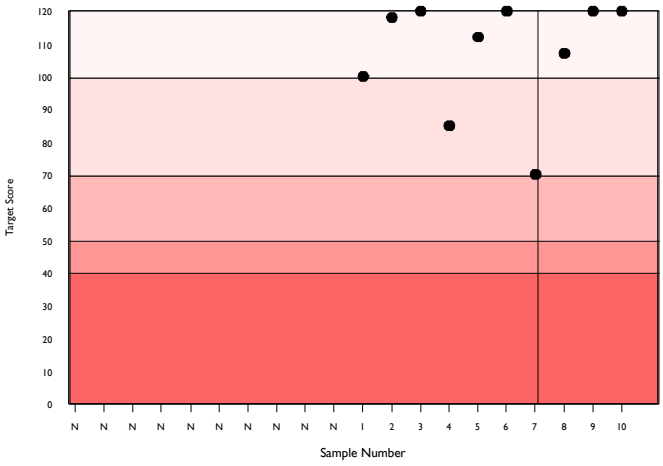
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.80%

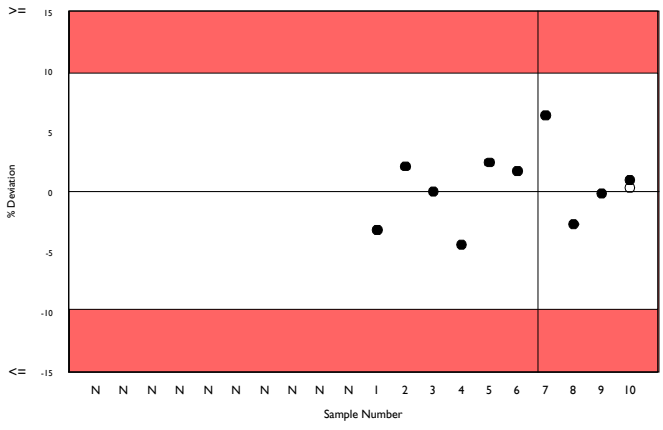


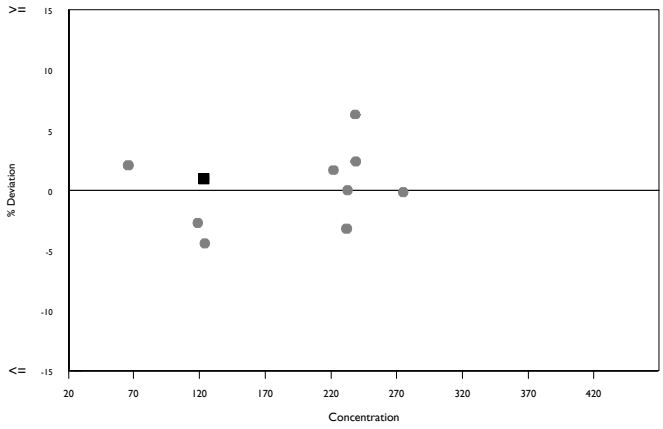
Method	N	Mean	CV%	U_m
Colorimetric without ppt.	2715	115.544	5.4	0.15
Colorimetric with ppt.	436	115.203	6.4	0.44
Ortho Vitros MicroSlide Systems	165	114.158	6.2	0.69
Abbott Alinity Iron 2	77	121.302	2.0	0.34
Abbott Architect Iron 2	34	122.821	2.5	0.65
Other method with blank	27	113.309	3.9	1.05
Agappe - CHROMAZUROL	21	138.456	1.8	0.66
Other method without blank	16	117.020	4.2	1.55
Optical Emission Spectroscopy	15	116.667	22.4	8.45
Other Dry Chemistry	10	114.629	4.9	2.22



TDPA = 9.8%







RIQAS

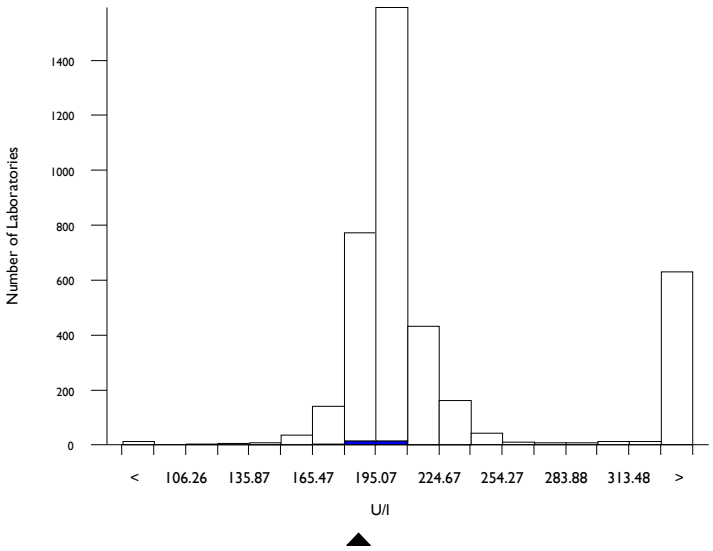
UKAS PROFICIENCY TESTING 0010

LD (LDH), U/l @ 37°C

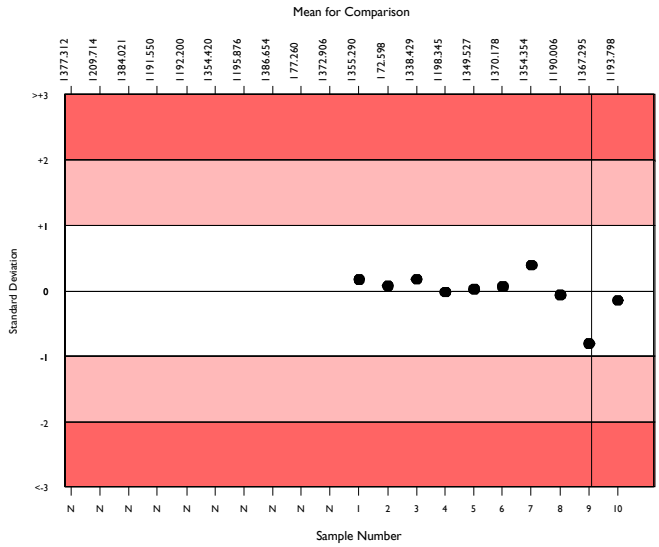
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3401	209.876	18.8	0.85	12.89	483
Abbott Architect LD 2	32	193.798	4.1	1.77	11.90	4
Abbott Architect c systems	32	193.798	4.1	1.77	11.90	4

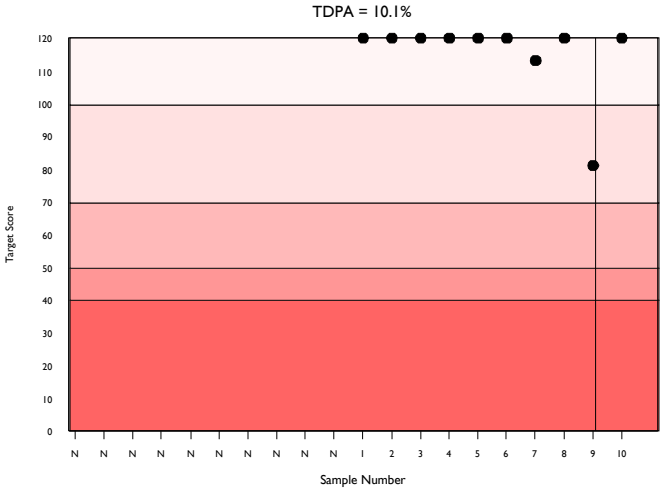
Your Result	192.000	SDI	-0.15
		RMSDI	-0.02
Mean for Comparison	193.798	TS	120
		RMTS	115
		%DEV	-0.9
		RM%DEV	0.0

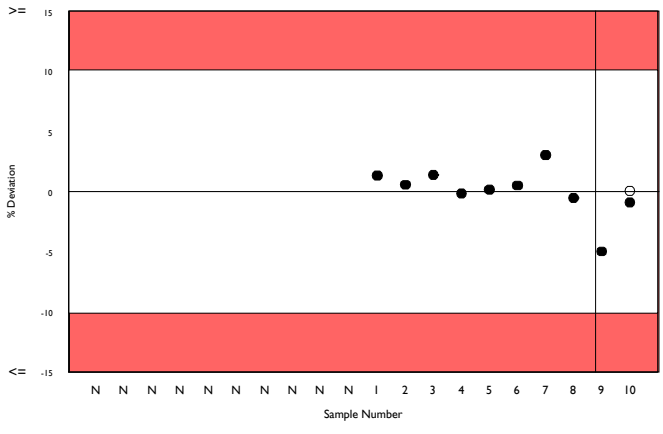
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.10%

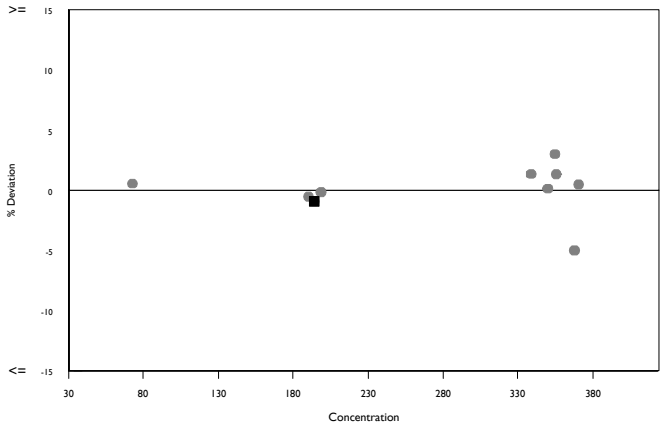


Method	N	Mean	CV%	U_m
L to P, IFCC	2187	200.707	4.0	0.21
P to L, German methods	311	392.335	7.9	2.19
Lactate to Pyruvate methods	233	200.540	7.9	1.30
L to P Beckman (Extinction Coeff)	159	187.552	6.0	1.12
Ortho Vitros IFCC Traceable	117	232.107	2.7	0.71
P to L, SFBC / SEQC	105	398.638	7.9	3.86
P to L, Scandinavian & Dutch	95	417.114	7.1	3.80
Abbott Alinity LD 2	77	192.702	3.5	0.97
L to P Siemens/Dade, Non-IFCC	64	196.859	4.3	1.33
Ortho Vitros MicroSlide Systems	53	230.089	3.9	1.54
Agappe - SCE	37	418.762	2.6	2.28
Abbott Architect LD 2	32	193.798	4.1	1.77
Other Dry Chemistry	30	193.633	3.8	1.68
Pyruvate 1.4 mM - Beckman LD-P	8	179.375	8.7	6.90









RIQAS

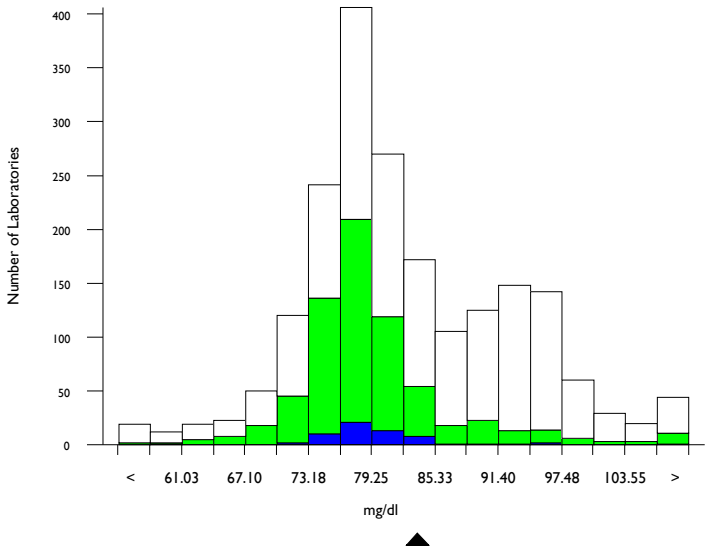
UKAS PROFICIENCY TESTING 0010

LDL-Cholesterol, mg/dl

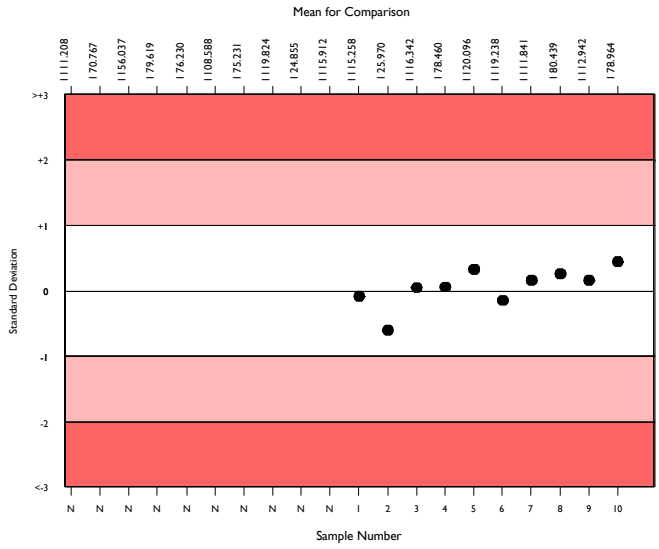
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1871	82.295	9.8	0.23	9.55	134
Selective detergent methods	624	78.237	5.6	0.22	9.08	65
Abbott Architect c systems	55	78.964	4.4	0.58	9.17	6

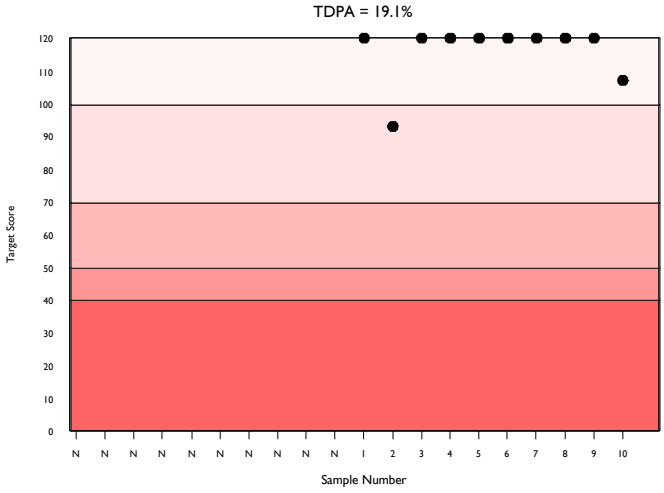
▲ Your Result	83.000	SDI	0.44
		RMSDI	0.06
Mean for Comparison	78.964	TS	107
		RMTS	116
		%DEV	5.1
		RM%DEV	0.7

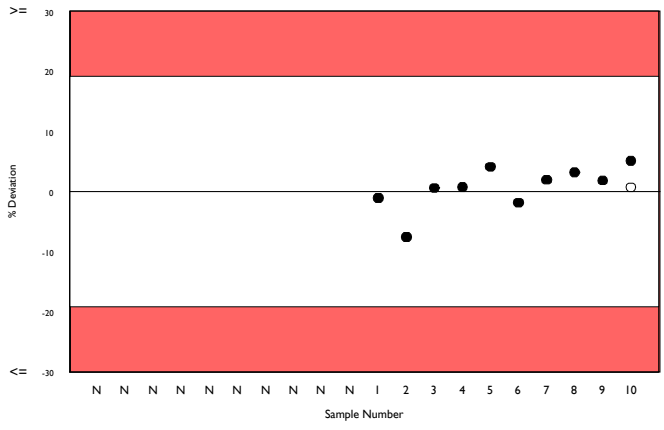
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	19.10%

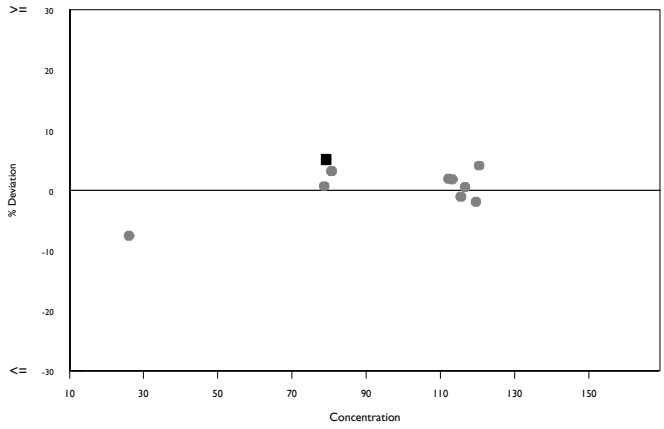


Method	N	Mean	CV%	U_m
Other direct methods	666	81.708	9.6	0.38
Selective detergent methods	624	78.237	5.6	0.22
Sel.detergent Beckman OSR6x83	218	94.292	4.5	0.35
Calculated	163	86.422	8.4	0.71
Sel.detergent Beckman OSR6x96	37	78.375	12.7	2.04
Ortho Vitros MicroSlide Systems	27	78.135	4.7	0.88
Agappe - SELECTIVE SOLUBILISATION	25	81.811	7.4	1.52
Other Precipitation methods	17	79.170	7.2	1.72
Other Dry Chemistry	16	76.884	15.3	3.67
Polyvinyl Sulphate Precipitation	13	82.149	12.2	3.47
Siemens Atellica LDLC	11	75.583	3.4	0.97
Heparin precipitation	8	74.577	7.9	2.60
Zwitterionic Detergent	2	83.077	9.8	7.21









RIQAS

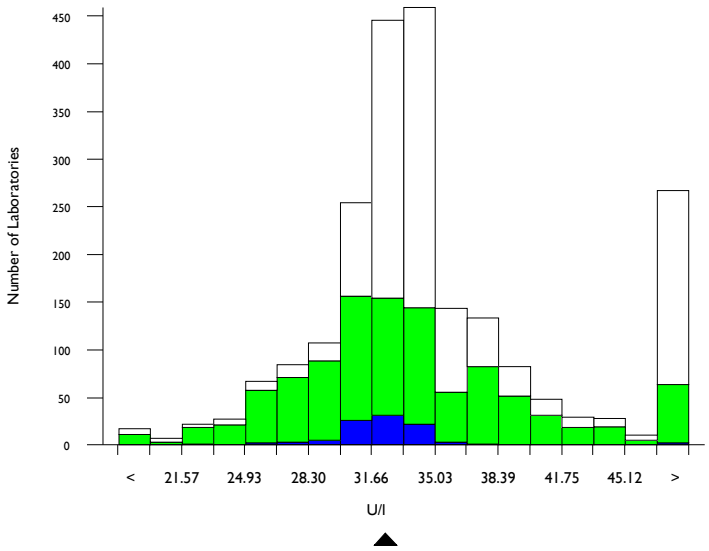
UKAS PROFICIENCY TESTING 0010

Lipase, U/l @ 37°C

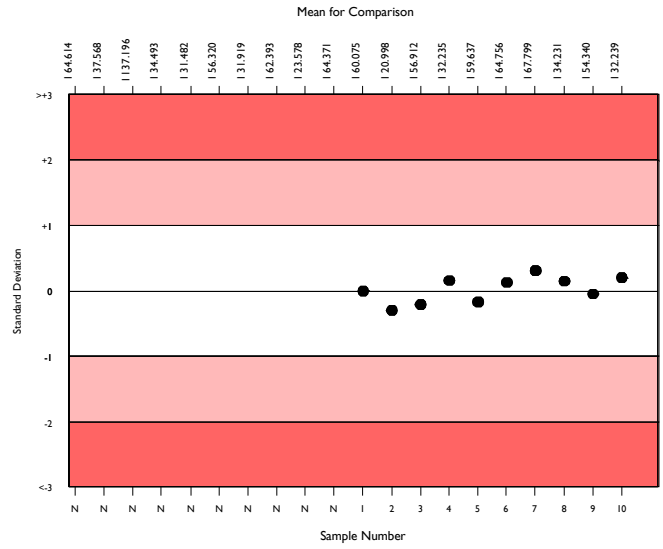
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1965	33.348	13.4	0.13	4.01	264
Other Colorimetric	963	32.683	14.5	0.19	3.93	84
Abbott Architect c systems	89	32.239	5.9	0.25	3.88	7

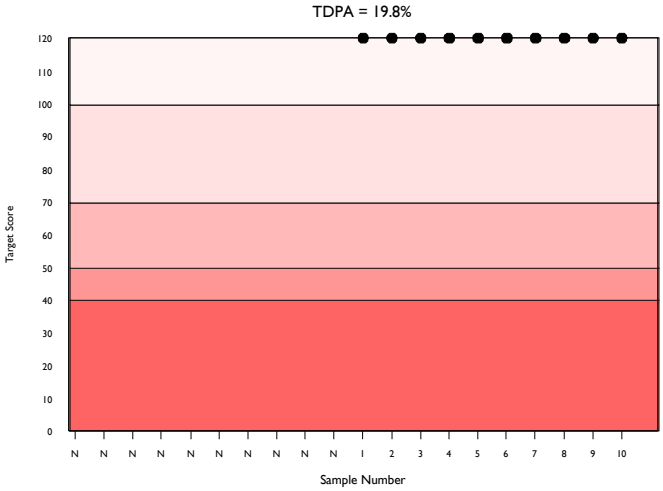
▲ Your Result	33.000	SDI	0.20
		RMSDI	0.02
Mean for Comparison	32.239	TS	120
		RMTS	120
		%DEV	2.4
		RM%DEV	0.2

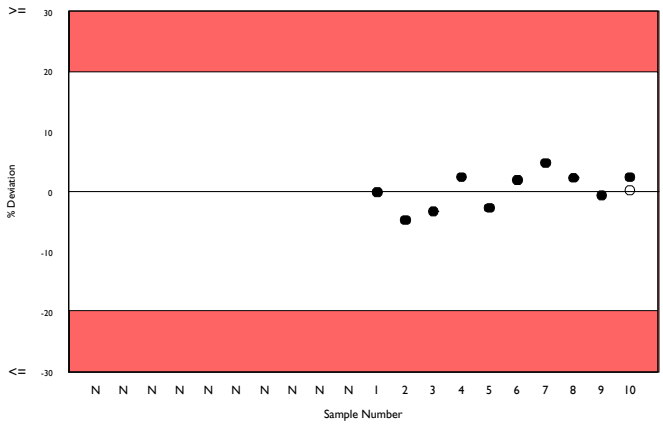
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	19.80%

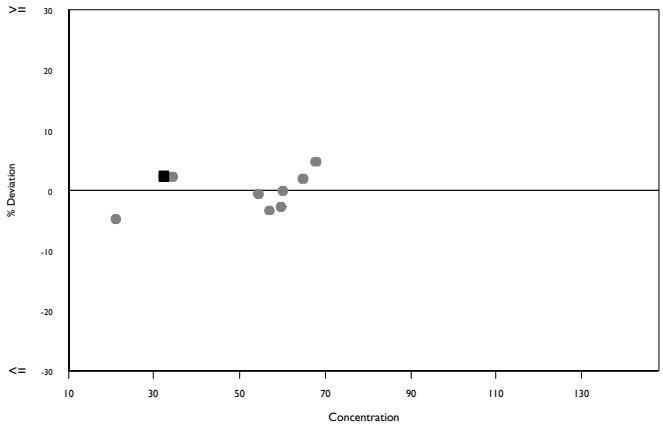


Method	N	Mean	CV%	U_m
Other Colorimetric	963	32.683	14.5	0.19
Colorimetric Roche ACN(8)731/ID 0-100	385	33.263	4.1	0.09
Colorimetric Roche ACN(8)789/ID 0-052	281	33.533	4.2	0.11
Ortho Vitros MicroSlide Systems	129	196.808	5.0	1.07
Roche Turbidimetric with colipase	54	32.968	5.6	0.31
Colorimetric Randox	50	39.601	10.5	0.74
Agappe - METHYL RESORUFIN	37	36.975	10.9	0.83
Colorimetric Dimension (LIPL Kit)	32	103.790	37.1	8.51
Colorimetric Dimension (LIP Kit)	32	36.963	6.5	0.53
Other Turbidimetric with colipase	23	30.246	15.4	1.21
Other Dry Chemistry	17	35.059	8.0	0.85
Turbidimetric without colipase	9	31.531	20.2	2.65
Randox Turbidimetric with colipase	6	37.562	17.6	3.37
Colorimetric Sigma	3	32.000	8.3	1.91









RIQAS

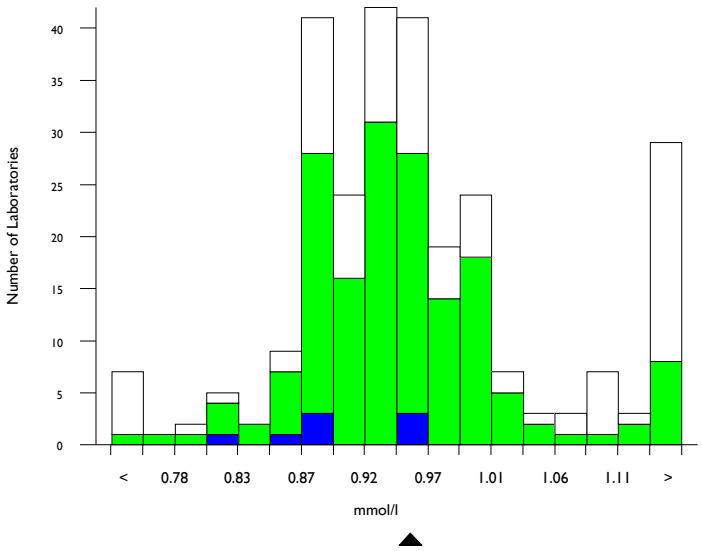
UKAS PROFICIENCY TESTING 0010

Lithium, mmol/l

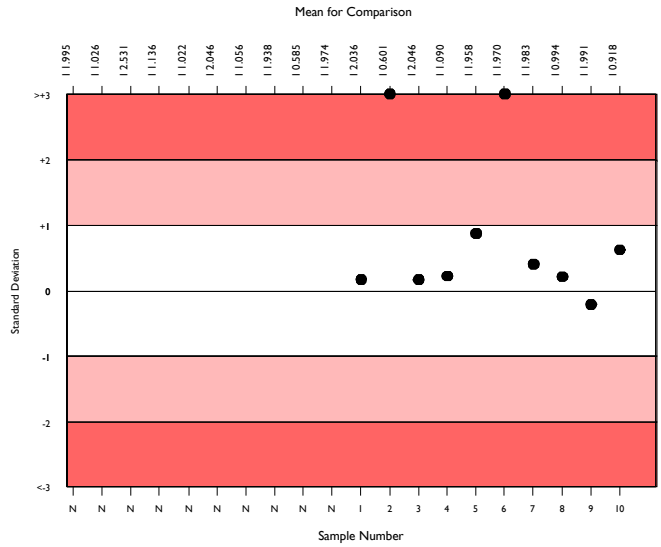
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	234	0.949	6.6	0.01	0.07	35
Spectrophotometric	153	0.940	4.9	0.00	0.07	17
Abbott Architect c systems	7	0.918	4.0	0.02	0.07	1

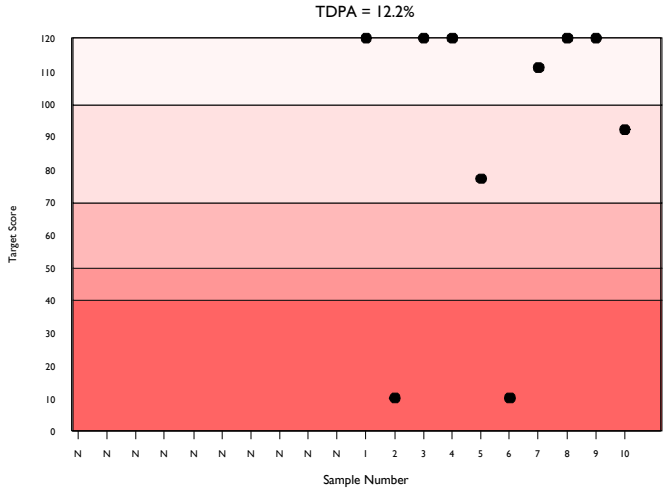
▲ Your Result	0.960	SDI	0.62
		RMSDI	2.09
Mean for Comparison	0.918	TS	92
		RMTS	90
		%DEV	4.6
		RM%DEV	16.4

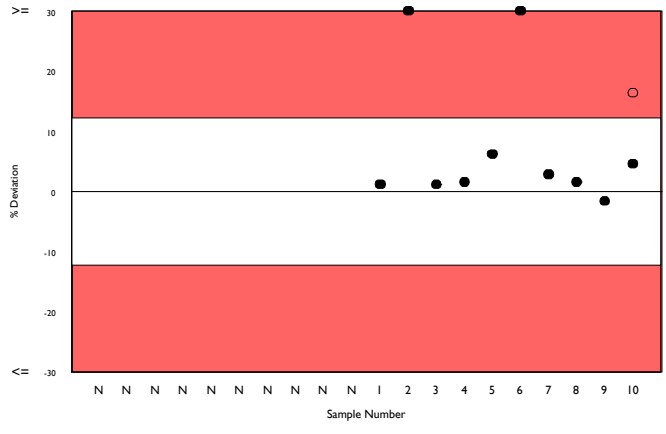
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.20%

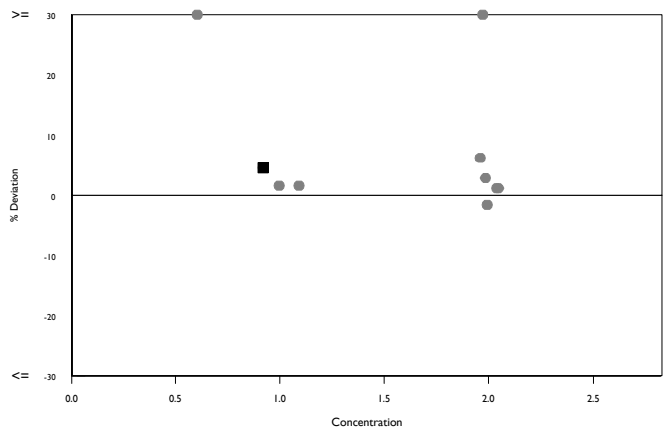


Method	N	Mean	CV%	U_m
Spectrophotometric	153	0.940	4.9	0.00
Ion selective electrode	42	0.939	4.9	0.01
Ortho Vitros MicroSlide Systems	22	1.151	5.0	0.02
Flame photometry	10	0.925	4.7	0.02
Atomic absorption	5	1.007	5.2	0.03
Other Dry Chemistry	3	0.965	1.0	0.01









RIQAS

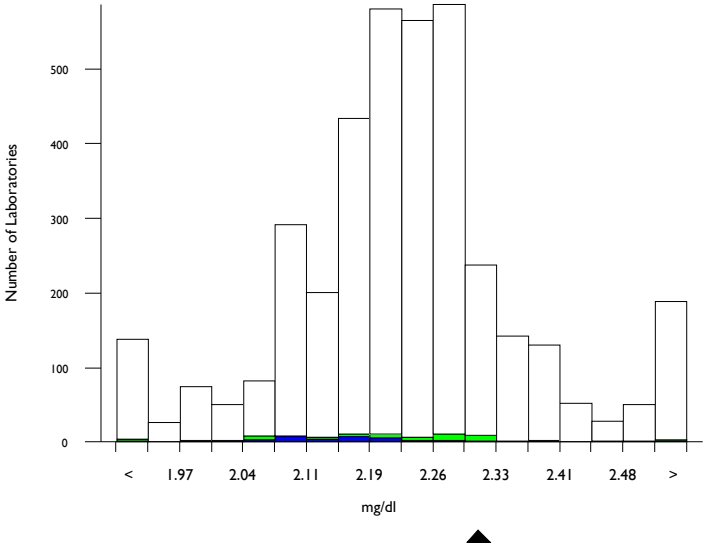
UKAS PROFICIENCY TESTING 0010

Magnesium, mg/dl

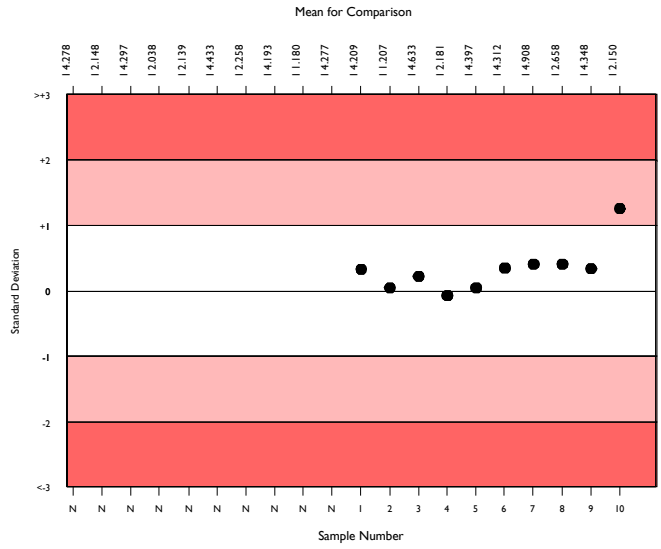
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3492	2.229	4.4	0.00	0.14	359
Arsenazo	77	2.197	4.5	0.01	0.14	9
Abbott Architect c systems	32	2.150	3.0	0.01	0.14	5

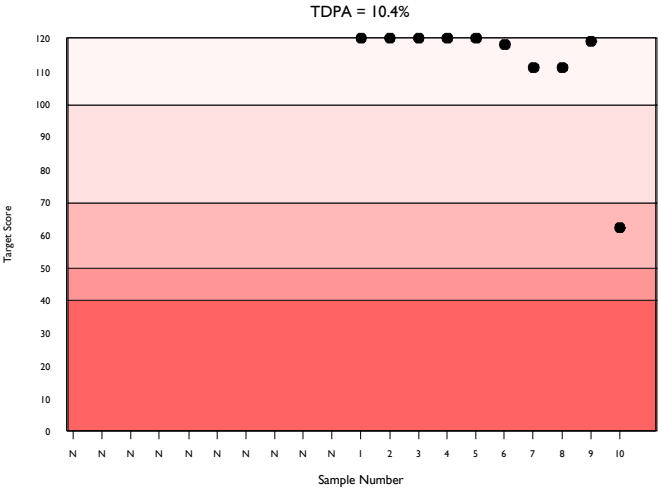
▲ Your Result	2.320	SDI	1.25
		RMSDI	0.33
Mean for Comparison	2.150	TS	62
		RMTS	112
		%DEV	7.9
		RM%DEV	2.1

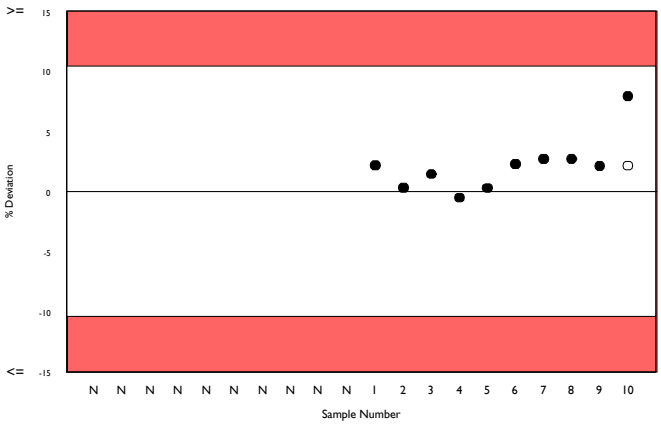
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.40%

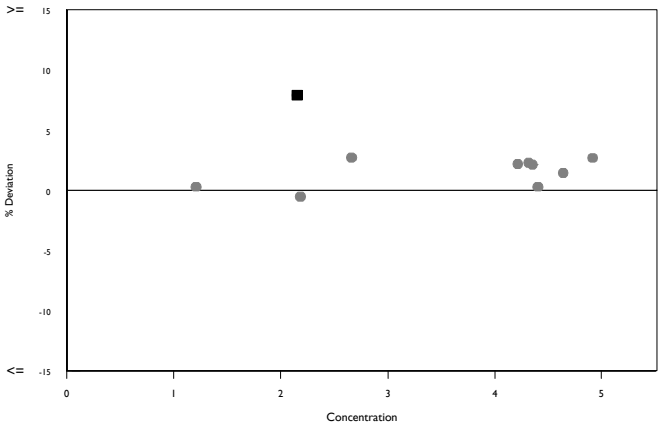


Method	N	Mean	CV%	U_m
Xylidyl Blue	2000	2.244	4.4	0.00
Enzymatic	404	2.190	3.4	0.00
Chlorphosphonazo III	304	2.250	3.0	0.00
Methylthymol blue	211	2.199	4.2	0.01
Ortho Vitros MicroSlide Systems	184	2.181	3.0	0.01
Calmagite	135	2.207	6.7	0.02
Arsenazo	77	2.197	4.5	0.01
Atomic absorption	71	2.247	3.6	0.01
Agappe - XYLIDYL BLUE	29	2.257	1.8	0.01
Other Dry Chemistry	28	2.366	5.9	0.03
Other magnesium dyes	14	2.271	8.6	0.06









RIQAS

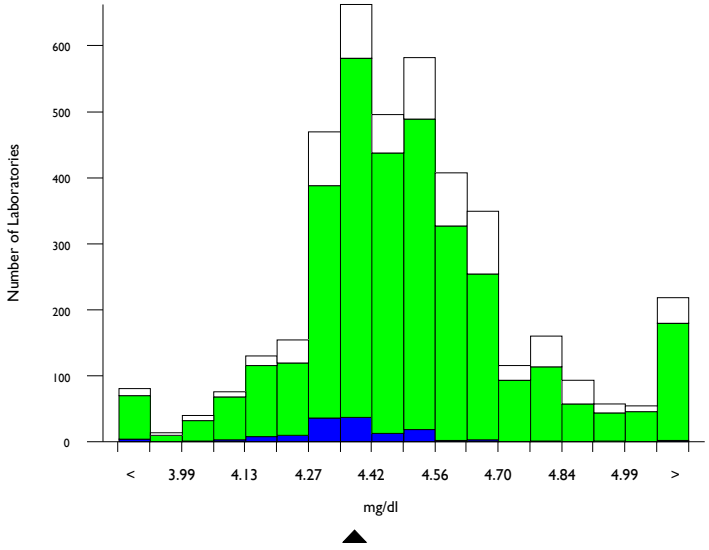
UKAS PROFICIENCY TESTING 0010

Phosphate, Inorganic, mg/dl

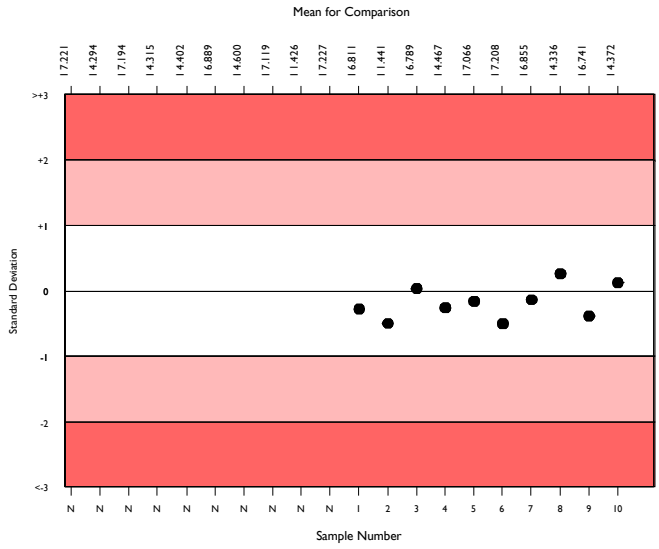
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3808	4.493	4.2	0.00	0.24	350
Phosphomolybdate UV	3104	4.478	4.0	0.00	0.24	320
Abbott Architect c systems	125	4.372	2.2	0.01	0.23	15

Your Result	4.400	SDI	0.12
		RMSDI	-0.18
Mean for Comparison	4.372	TS	120
		RMTS	115
		%DEV	0.6
		RM%DEV	-1.0

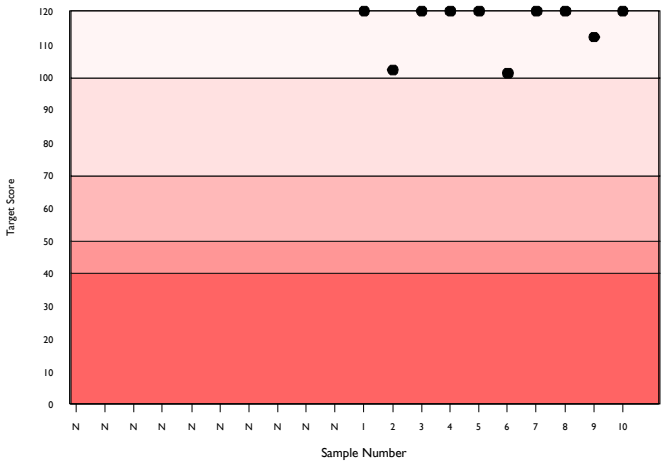
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.80%

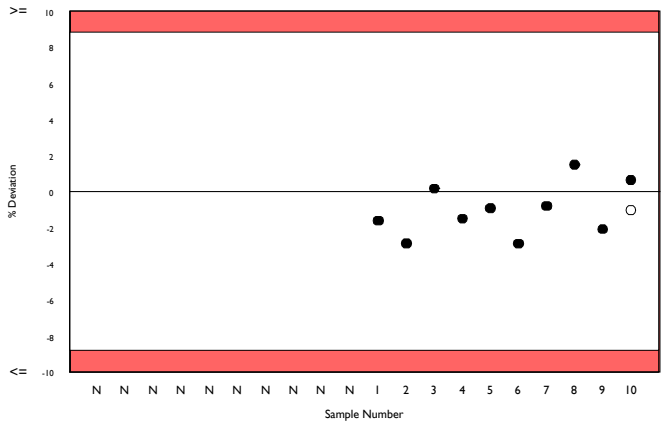


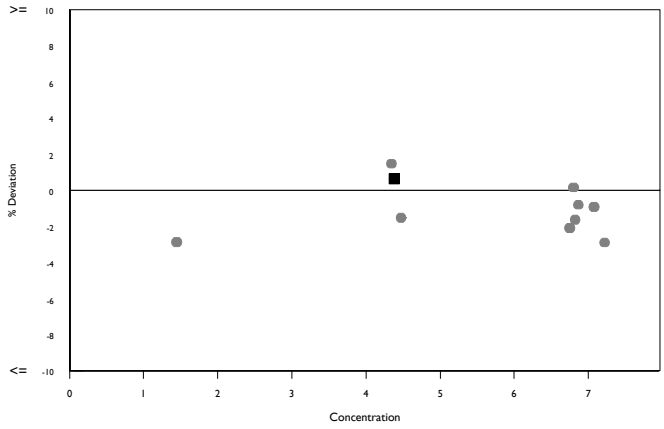
Method	N	Mean	CV%	U_m
Phosphomolybdate UV	3104	4.478	4.0	0.00
Phosphomolybdate enzymatic	324	4.444	3.5	0.01
Ortho Vitros MicroSlide Systems	204	4.622	3.4	0.01
Beckman PHOSm kit (365nm)	56	4.435	4.5	0.03
Agappe - PHOSPOHMOLYBDATE	41	4.888	3.1	0.03
Other Dry Chemistry	21	4.724	3.4	0.04
Other methods, no protein ppt	7	4.617	4.3	0.09
Other methods, with protein ppt	4	4.563	5.7	0.16



TDPA = 8.8%







RIQAS

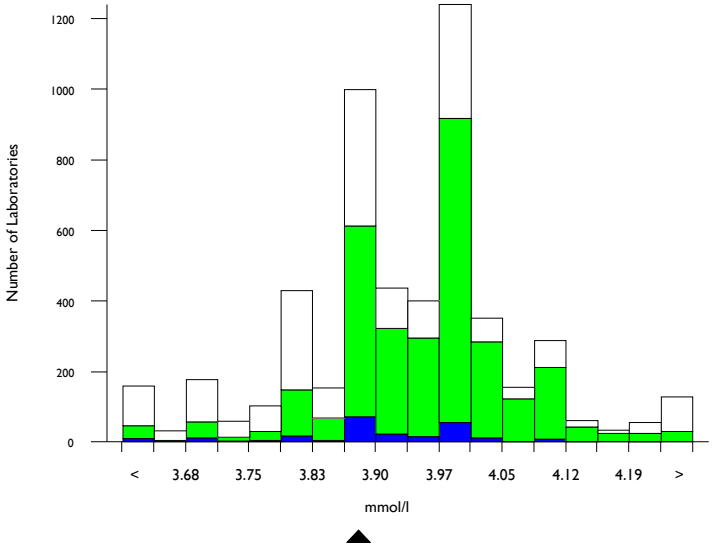
UKAS PROFICIENCY TESTING 0010

Potassium, mmol/l

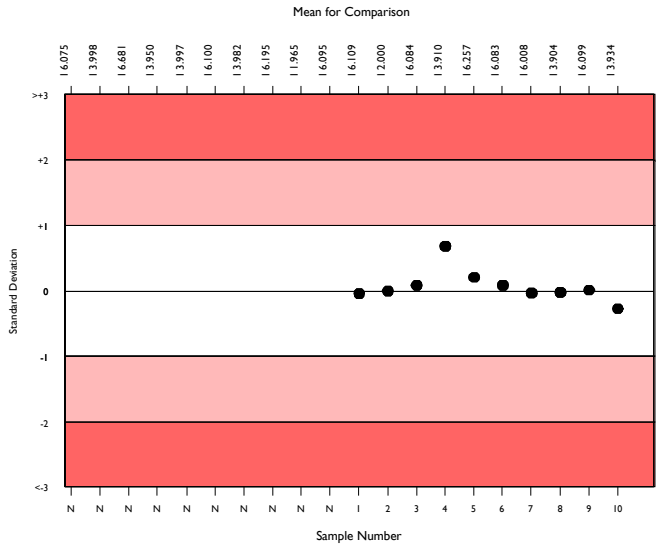
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4856	3.941	2.5	0.00	0.12	395
ISE method - indirect	3006	3.967	1.9	0.00	0.12	239
Abbott Architect c systems	210	3.934	1.9	0.01	0.12	24

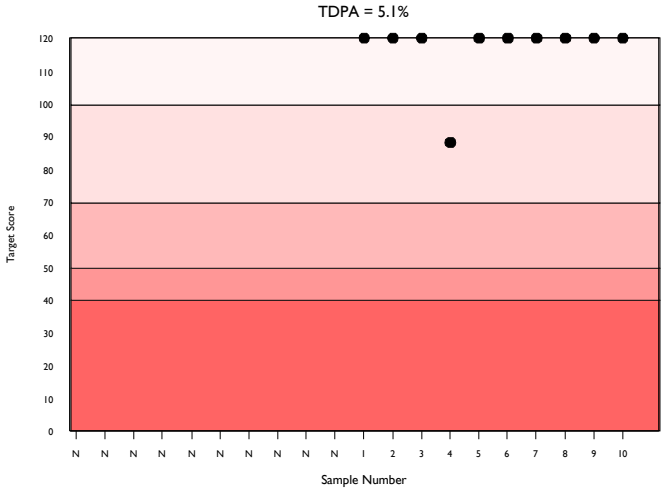
Your Result	3.900	SDI	-0.28
		RMSDI	0.07
Mean for Comparison	3.934	TS	120
		RMTS	116
		%DEV	-0.9
		RM%DEV	0.2

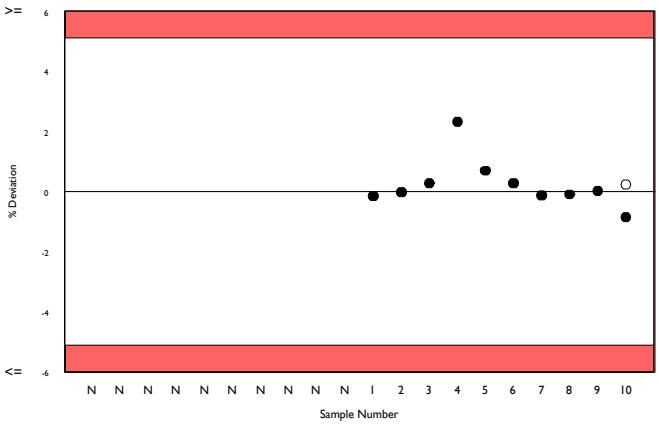
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.10%

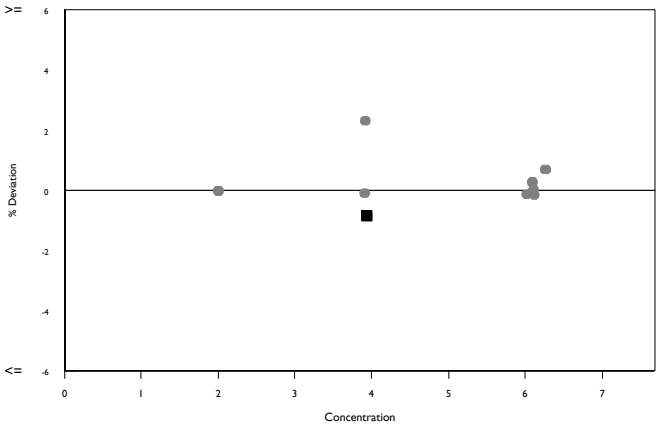


Method	N	Mean	CV%	U_m
ISE method - indirect	3006	3.967	1.9	0.00
ISE method - direct	1487	3.882	3.1	0.00
Ortho Vitros MicroSlide Systems	189	3.968	1.9	0.01
Colorimetric	53	3.861	3.4	0.02
Other Dry Chemistry	50	3.858	2.0	0.01
Agappe - ISE DIRECT	19	6.166	1.4	0.02
Enzymatic	21	4.109	6.3	0.07
Flame photometry	9	3.823	4.7	0.08
Turbidimetric	7	4.114	20.7	0.40
Vitros, DT60/DT60 II/DTE II	3	3.967	3.8	0.11
Optical Fluorescence	3	3.777	3.7	0.10









RIQAS

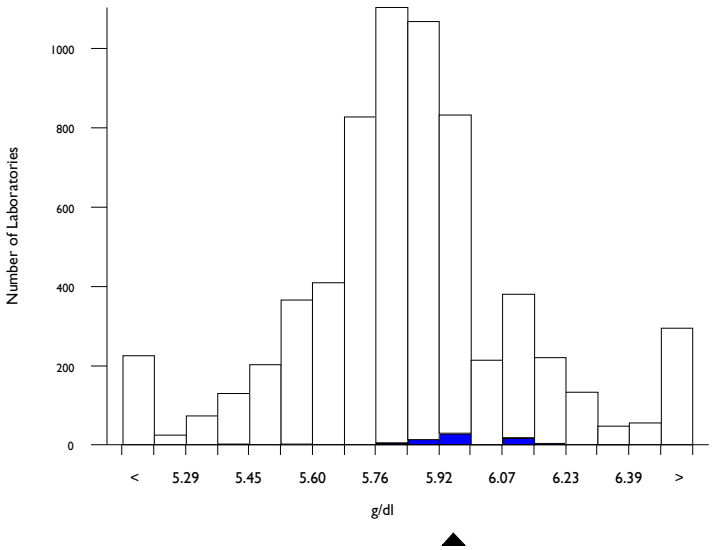
UKAS PROFICIENCY TESTING 0010

Protein, Total, g/dl

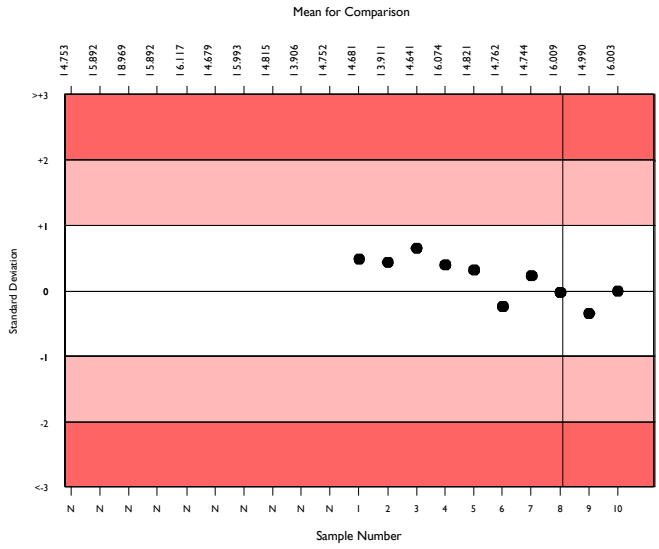
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6060	5.844	3.6	0.00	0.30	536
Abbott Architect total Protein 2	67	6.001	1.4	0.01	0.31	10
Abbott Architect c systems	63	6.003	1.4	0.01	0.31	10

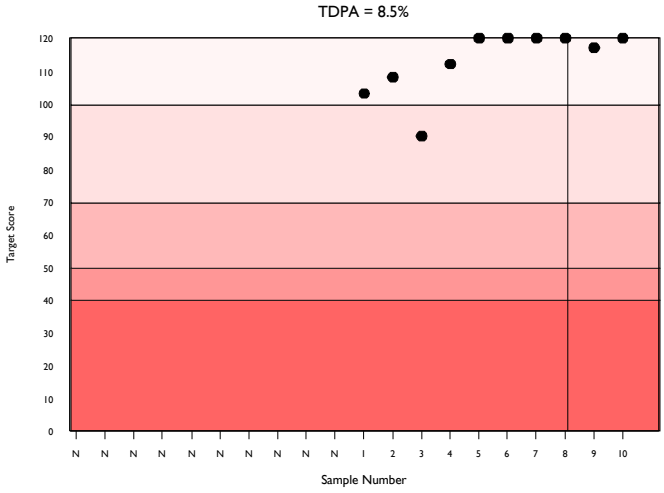
Your Result	6.000	SDI	-0.01
		RMSDI	0.19
Mean for Comparison	6.003	TS	120
		RMTS	113
		%DEV	-0.1
		RM%DEV	1.0

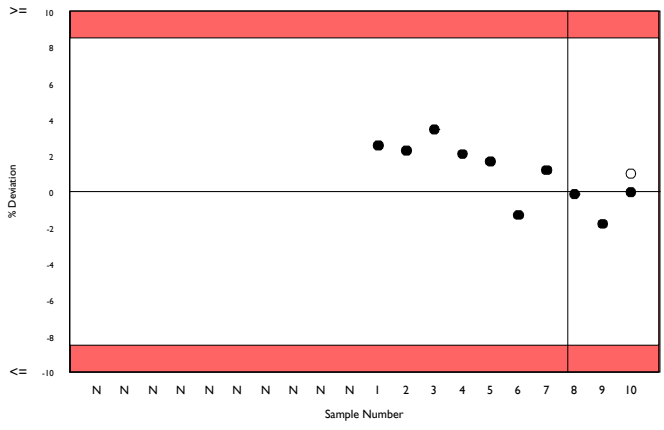
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%

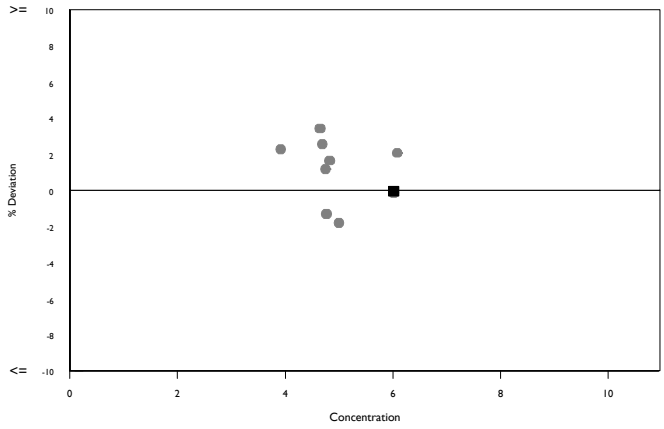


Method	N	Mean	CV%	U_m
Biuret reaction, end point	5207	5.834	3.6	0.00
Ortho Vitros MicroSlide Systems	220	5.921	2.7	0.01
Biuret reaction, kinetic	182	5.787	3.0	0.02
Abbott Alinity Total Protein 2	150	5.966	1.5	0.01
Agappe - BIURET	70	5.961	2.7	0.02
Abbott Architect total Protein 2	67	6.001	1.4	0.01
Biuret reaction, CX4/5/7	55	5.717	2.9	0.03
Other Dry Chemistry	58	5.973	3.4	0.03
Refractometry	4	5.800	2.8	0.10









RIQAS

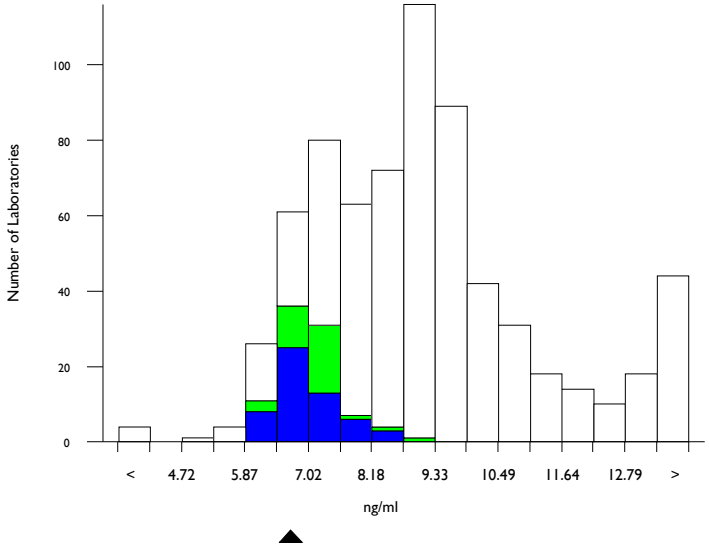
UKAS PROFICIENCY TESTING 0010

PSA, Total, ng/ml

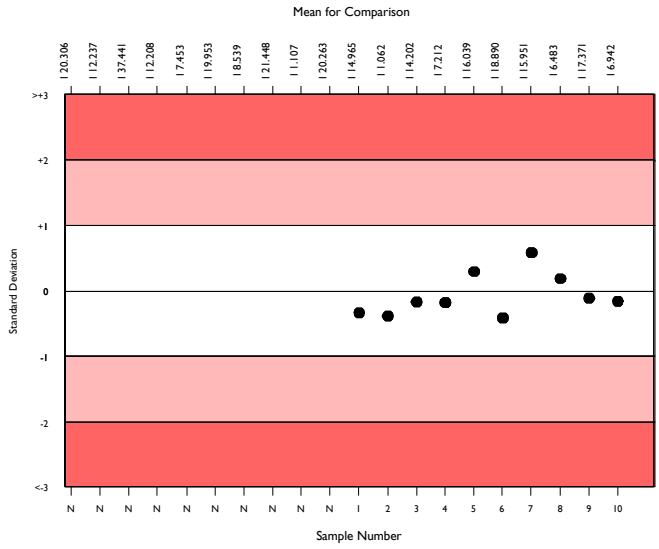
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	634	8.760	17.6	0.08	1.10	59
Abbott Architect/ Alinity	83	6.953	6.2	0.06	0.87	7
Abbott Architect i Systems	52	6.942	7.3	0.09	0.87	3

▲ Your Result	6.800	SDI	-0.16
		RMSDI	-0.07
Mean for Comparison	6.942	TS	120
		RMTS	115
		%DEV	-2.0
		RM%DEV	-1.0

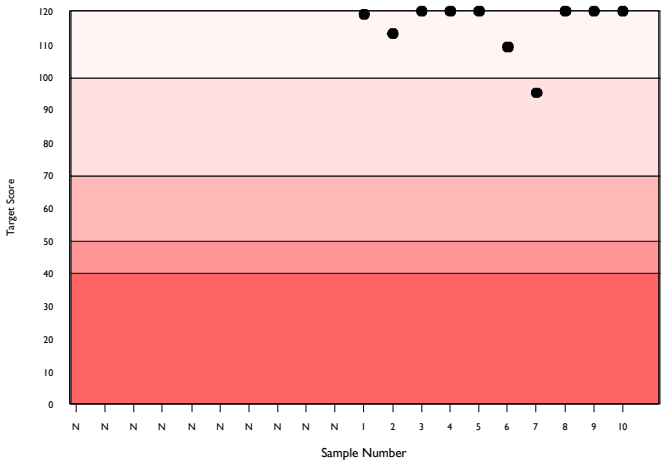
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%

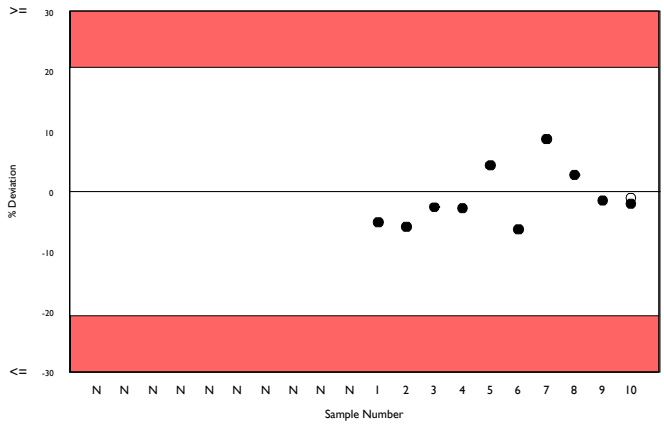


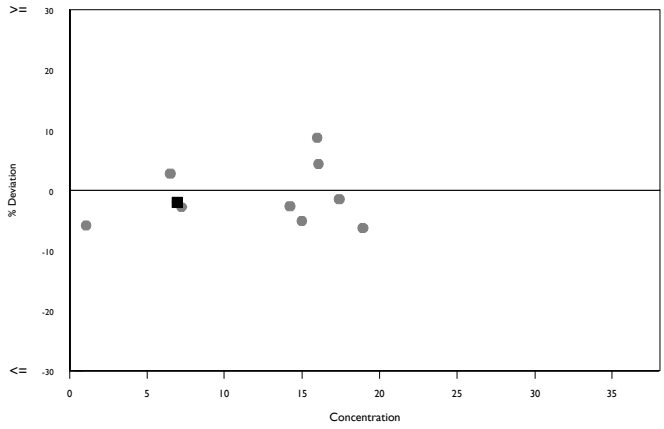
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	90	9.262	6.7	0.08
Abbott Architect/ Alinity	83	6.953	6.2	0.06
SNIBE Maglumi analysers	53	7.425	6.1	0.08
Monobind Inc ELISA	49	12.693	12.7	0.29
Roche Cobas e601/602	48	9.178	4.8	0.08
bioMerieux, VIDAS TPSA	47	8.628	8.8	0.14
ELISA	41	12.830	16.1	0.40
Beckman Access standardised to Hybritech	34	10.297	3.8	0.08
Roche Cobas e402/e801	21	8.850	4.3	0.10
Tosoh AIA Series	19	6.524	7.9	0.15
Siemens Dimension	19	8.222	6.9	0.16
Mindray CL-Series	16	10.112	9.8	0.31
Ortho Vitros 3600/5600/ECi	13	8.753	5.2	0.16
Beckman DXI standardised to Hybritech	11	10.008	5.8	0.22
Siemens Centaur CP	10	8.419	10.0	0.33
Siemens Immulite 2000/2500, Total PSA	10	8.392	15.7	0.52
Siemens Centaur XP/XPT	9	8.643	10.6	0.38
Ortho Vitros 3600/5600/ECi PSA II	8	8.551	11.2	0.42
Siemens Atellica IM	7	8.397	2.7	0.11
Roche Elecsys Modular E170	6	9.272	5.3	0.25
Siemens Immulite 1000, Total PSA	5	9.446	11.3	0.60



TDPA = 20.6%







RIQAS

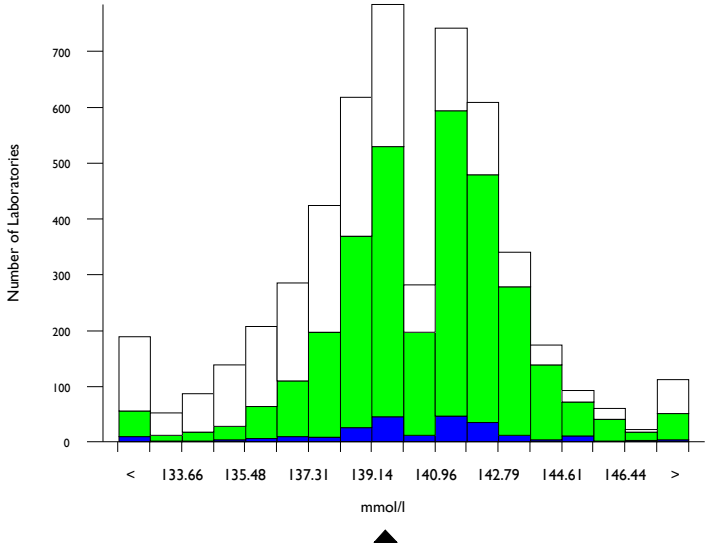
UKAS PROFICIENCY TESTING 0010

Sodium, mmol/l

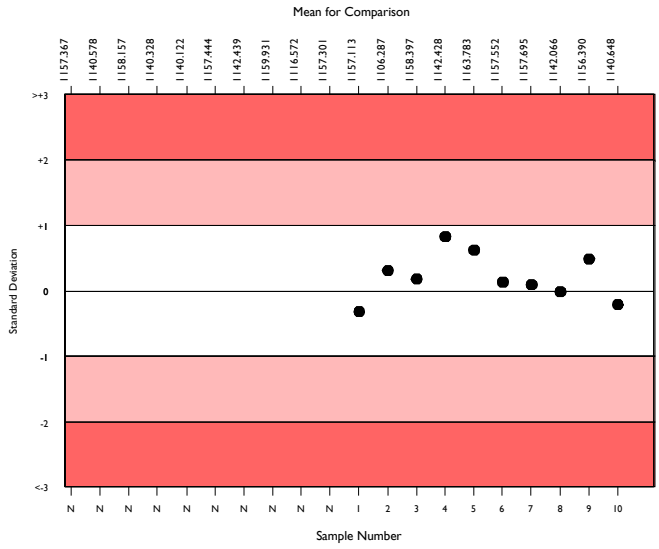
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4821	140.053	1.7	0.04	2.98	389
ISE method - indirect	3010	140.704	1.4	0.04	2.99	233
Abbott Architect c systems	214	140.648	1.4	0.17	2.99	25

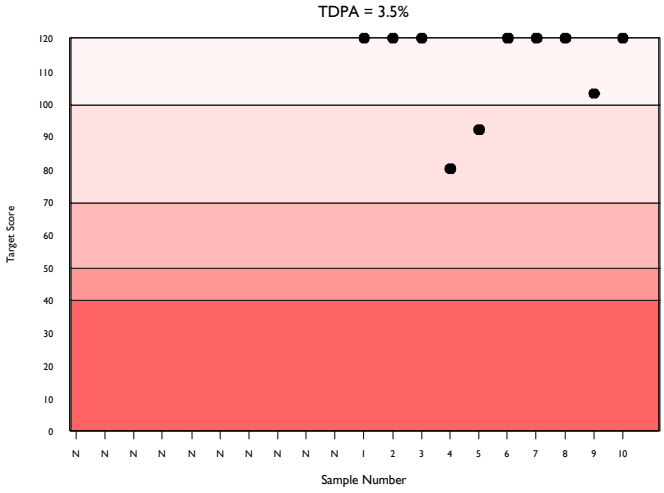
Your Result	140.000	SDI	-0.22
		RMSDI	0.21
Mean for Comparison	140.648	TS	120
		RMTS	111
		%DEV	-0.5
		RM%DEV	0.5

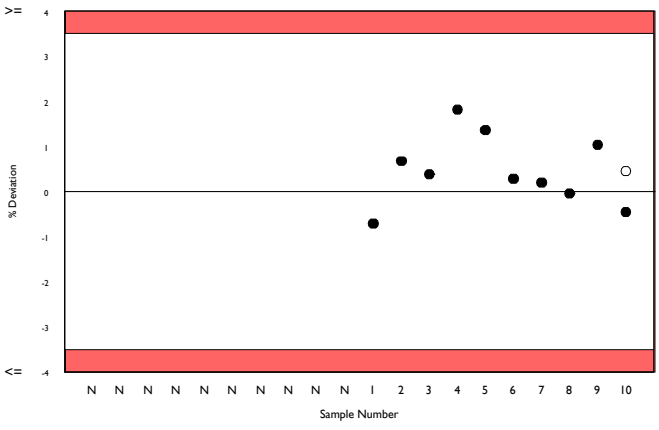
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.50%

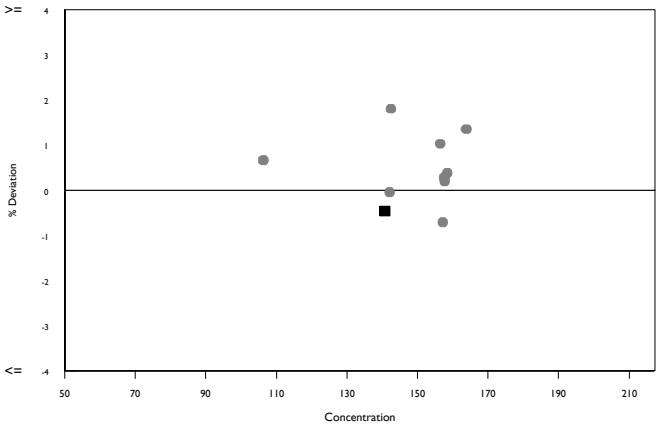


Method	N	Mean	CV%	U_m
ISE method - indirect	3010	140.704	1.4	0.04
ISE method - direct	1472	138.438	2.1	0.09
Ortho Vitros MicroSlide Systems	185	139.149	1.4	0.18
Other Dry Chemistry	47	139.189	1.4	0.36
Colorimetric	42	139.973	2.5	0.68
Agappe - ISE DIRECT	21	143.385	5.3	2.09
Enzymatic	14	141.474	4.2	1.99
Flame photometry	12	140.558	2.0	1.02
Vitros, DT60/DT60 II/DTE II	4	136.475	0.4	0.38
Optical Fluorescence	3	136.500	0.3	0.33









RIQAS

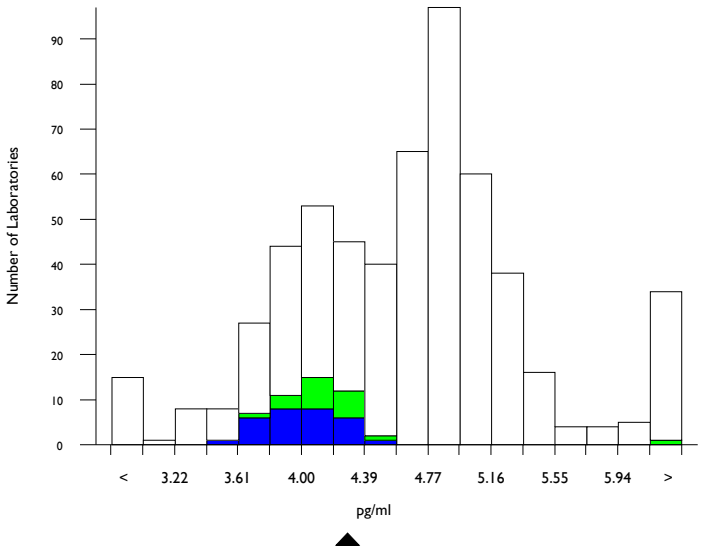
UKAS PROFICIENCY TESTING 0010

Free T3, pg/ml

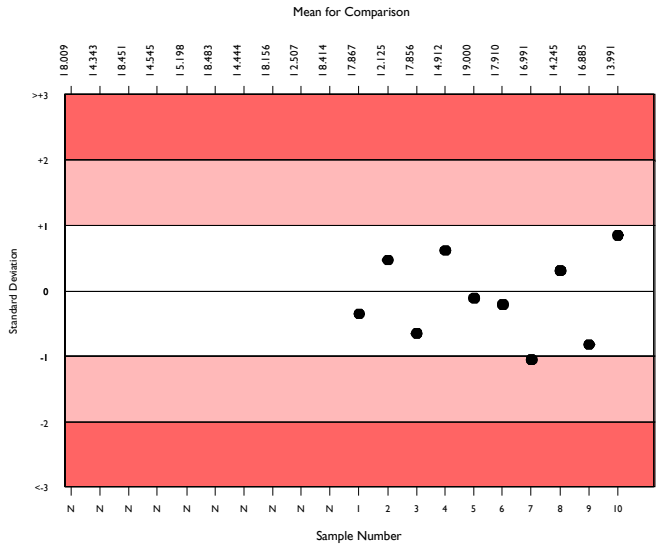
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	505	4.585	11.3	0.03	0.41	61
Abbott Architect/ Alinity, 6 point cal	46	4.050	5.0	0.04	0.36	3
Abbott Architect i Systems	29	3.991	5.6	0.05	0.35	1

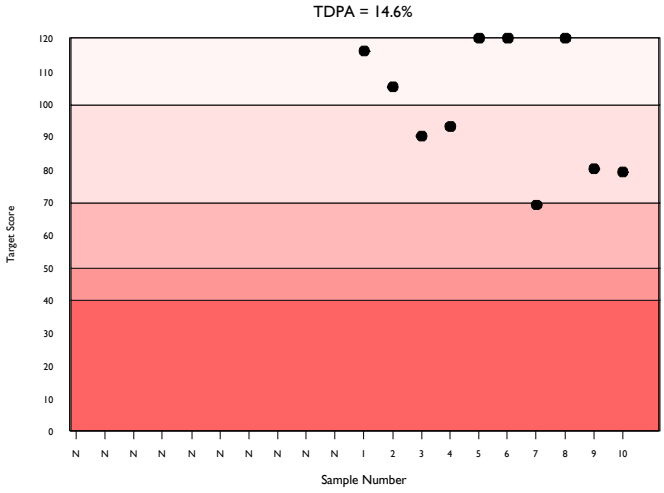
Your Result	4.290	SDI	0.85
		RMSDI	-0.10
Mean for Comparison	3.991	TS	79
		RMTS	99
		%DEV	7.5
		RM%DEV	-1.1

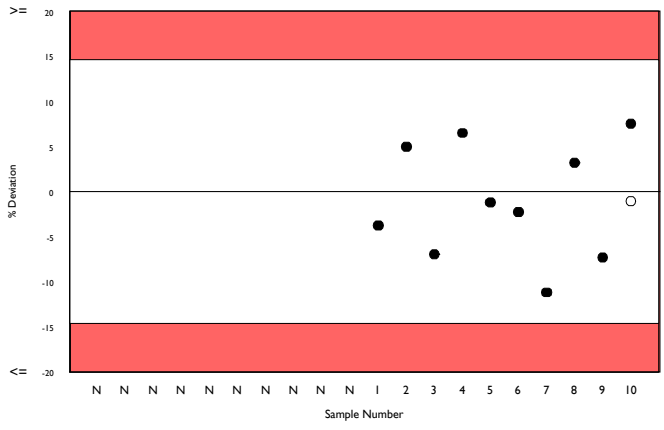
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.60%

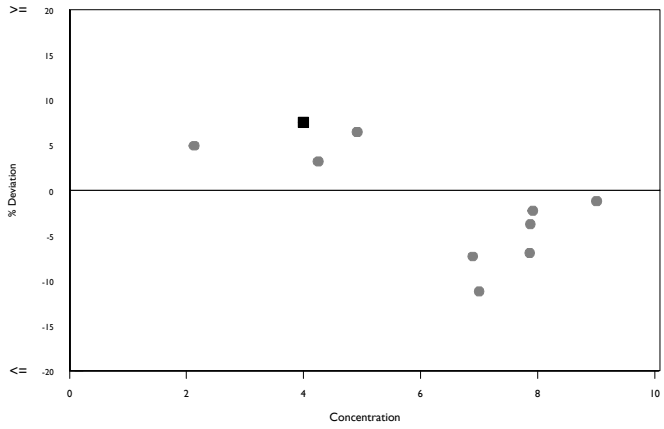


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	93	4.898	6.3	0.04
Roche Cobas e601/602	55	4.919	3.3	0.03
BioMerieux VIDAS	48	4.455	10.1	0.08
Abbott Architect/ Alinity, 6 point cal	46	4.050	5.0	0.04
Abbott Architect/ Alinity, 2 point cal	39	4.046	6.5	0.05
Beckman Access/LXi725	33	4.195	9.0	0.08
SNIBE Maglumi analysers	22	4.135	9.2	0.10
Roche Cobas e402/e801	22	4.835	3.4	0.04
Ortho Vitros 3600/5600/ECi/XT 7600	19	7.907	6.1	0.14
Tosoh AIA Series	16	4.929	12.9	0.20
Siemens Dimension Exl LOCI	16	4.799	4.4	0.07
Mindray CL-Series	13	4.840	7.1	0.12
Siemens Centaur CP	12	5.065	4.7	0.09
Siemens Centaur XP/XPT	12	4.812	3.1	0.05
Beckman Dxl 600/800	13	3.789	7.6	0.10
ELISA	7	4.520	25.2	0.54
Fujirebio Lumipulse G Series	9	4.978	7.2	0.15
Siemens Atellica IM	7	5.046	2.9	0.07
Siemens/DPC Immulite 2000/2500	5	3.896	3.3	0.07
Autobio CLIA	4	4.595	12.7	0.37
Roche Elecsys	4	5.245	6.3	0.21









RIQAS

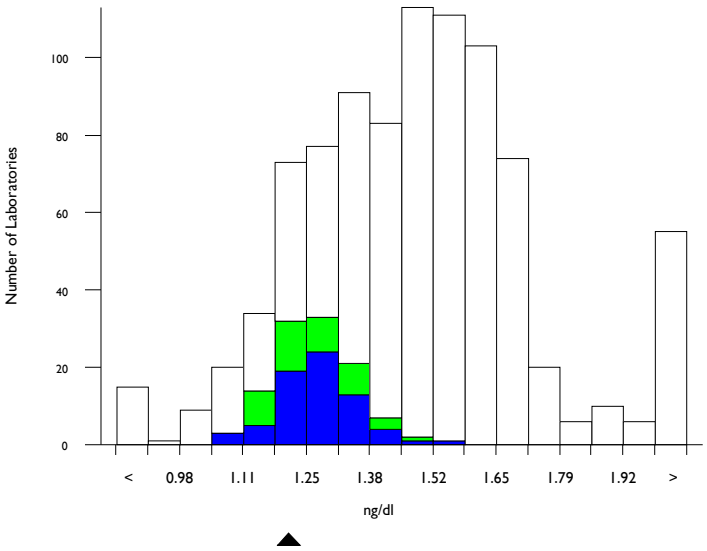
UKAS PROFICIENCY TESTING 0010

Free T4, ng/dl

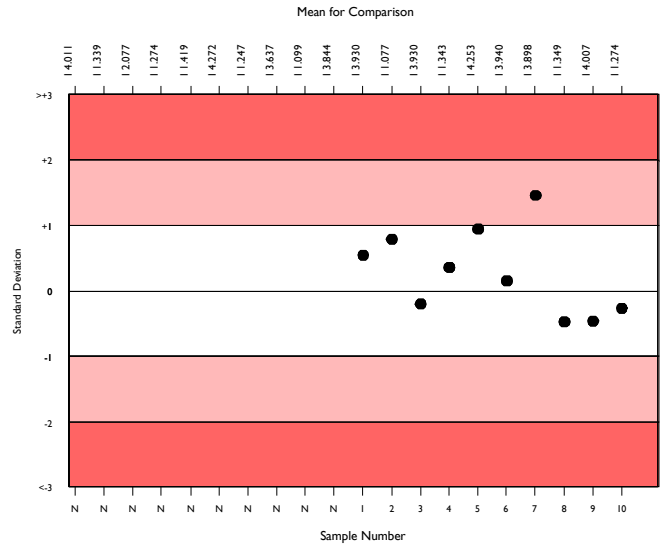
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	820	1.454	12.4	0.01	0.14	83
Abbott Architect/ Alinity	105	1.267	5.2	0.01	0.13	8
Abbott Architect i Systems	63	1.274	4.6	0.01	0.13	7

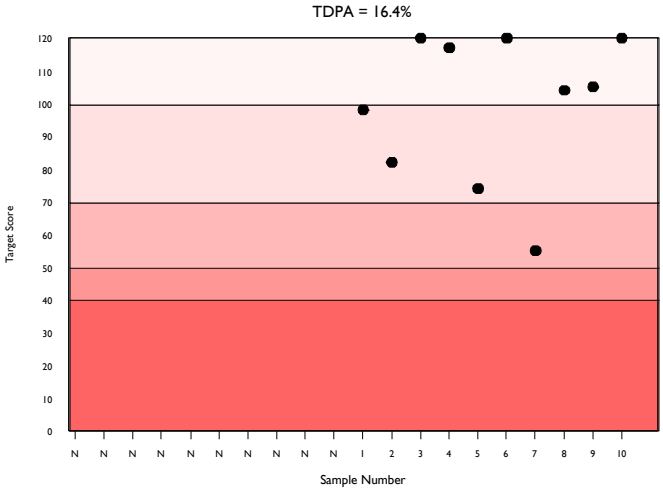
▲ Your Result	1.240	SDI	-0.27
		RMSDI	0.28
Mean for Comparison	1.274	TS	120
		RMTS	99
		%DEV	-2.7
		RM%DEV	3.6

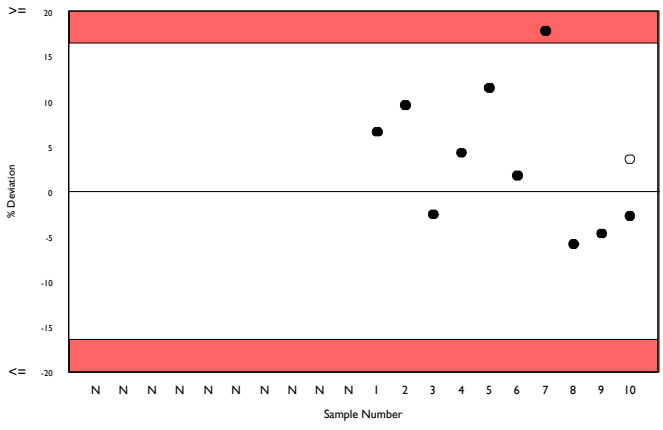
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.40%

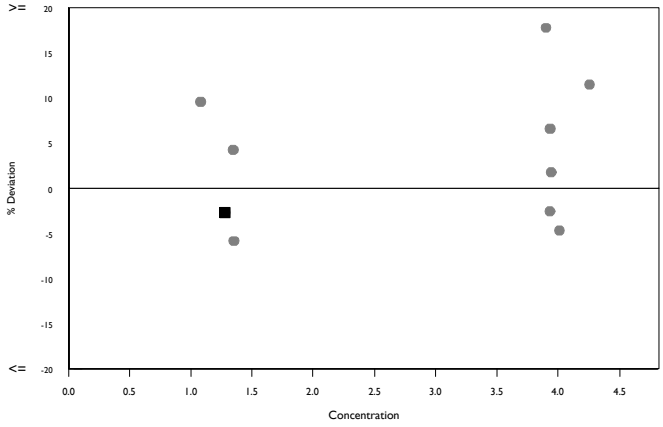


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	128	1.587	5.1	0.01
Abbott Architect/ Alinity	105	1.267	5.2	0.01
Roche Cobas e601/ 602	77	1.559	4.3	0.01
SNIBE Maglumi analysers	64	1.549	8.2	0.02
bioMerieux, VIDAS-FT4N Kit	58	1.517	6.6	0.02
Beckman Access/LXi725	50	1.347	7.7	0.02
Monobind Inc ELISA	47	1.234	9.8	0.02
Roche Cobas e402/e801	32	1.644	1.9	0.01
ELISA	22	1.196	14.7	0.05
Tosoh AIA Series	24	1.713	9.0	0.04
Ortho Vitros 3600/5600/ECi/XT/7600	28	2.575	9.3	0.06
Mindray CL-Series	22	1.254	10.0	0.03
Beckman Dxl 600/800	22	1.271	9.5	0.03
Siemens Dimension Exl LOCI	17	1.454	2.7	0.01
Siemens Centaur XP/XPT	16	1.368	5.0	0.02
Siemens Centaur CP	15	1.455	5.4	0.03
Siemens/DPC Immulite 2000/2500	12	1.493	9.4	0.05
Siemens/DPC Immulite 1000	12	1.505	5.7	0.03
Fujirebio Lumipulse G Series	8	1.149	7.0	0.04
Roche Elecsys	8	1.608	3.5	0.02
Siemens Atellica IM	8	1.357	4.0	0.02









RIQAS

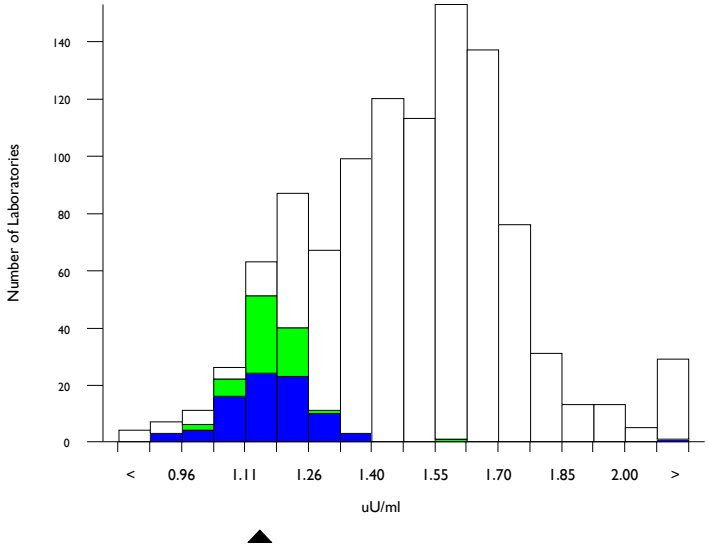
UKAS PROFICIENCY TESTING 0010

TSH, uU/ml

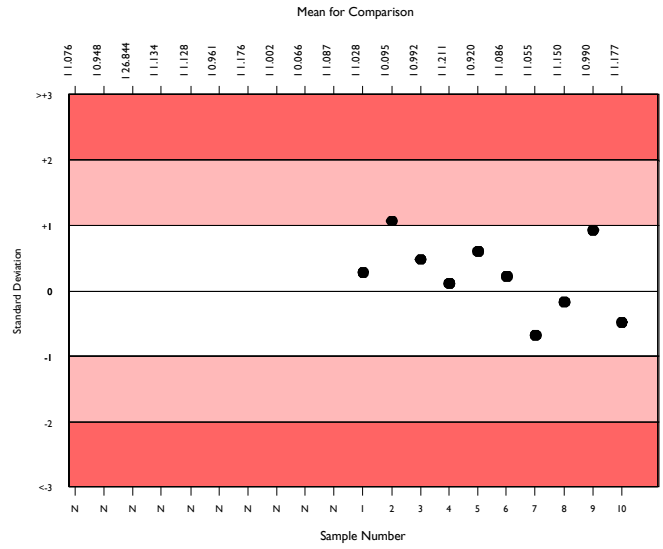
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	985	1.484	13.3	0.01	0.15	71
Abbott Architect/ Alinity	126	1.173	5.4	0.01	0.12	12
Abbott Architect i Systems	78	1.177	6.8	0.01	0.12	6

Your Result	1.120	SDI	-0.49
		RMSDI	0.23
Mean for Comparison	1.177	TS	103
		RMTS	101
		%DEV	-4.8
		RM%DEV	3.2

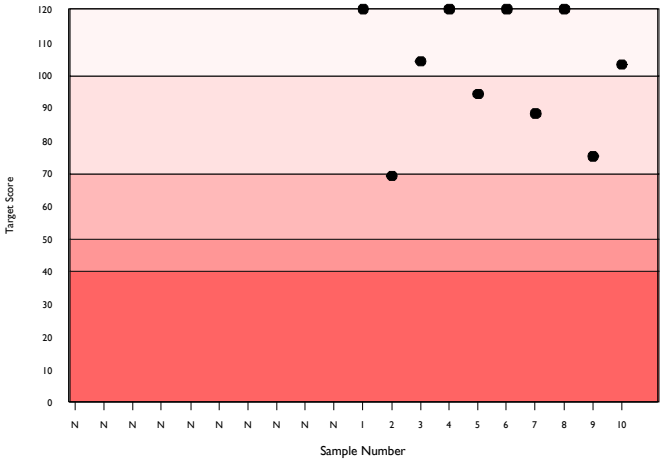
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.30%

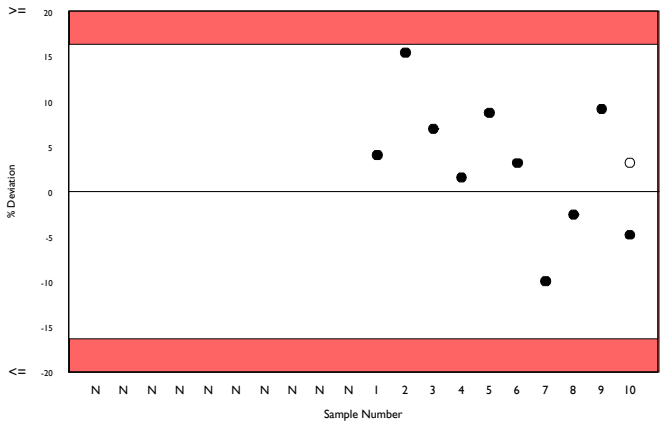


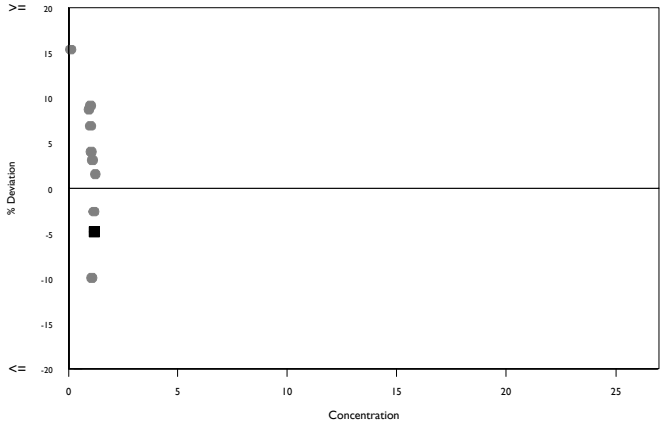
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	147	1.650	5.1	0.01
Abbott Architect/ Alinity	126	1.173	5.4	0.01
Roche Cobas e601/ 602	79	1.655	3.1	0.01
SNIBE Maglumi analysers	74	1.452	4.6	0.01
Biomerieux VIDAS TSH	58	1.665	4.9	0.01
Monobind Inc ELISA	54	1.401	12.3	0.03
Roche Cobas e402/e801	35	1.589	2.2	0.01
Beckman DXI600/800/ Access 2 (3rd IS)	34	1.409	6.1	0.02
ELISA	33	1.363	15.7	0.05
Beckman Access/LXi725 hyper TSH 3rd gen.	35	1.406	5.5	0.02
Tosoh AIA Series	28	1.538	7.0	0.03
Ortho Vitros 3600/5600/ECi/XT 7600	27	1.438	7.4	0.03
Mindray CL-Series	23	1.809	7.6	0.04
Siemens Dimension Exl LOCI	18	1.340	5.4	0.02
Siemens Centaur CP	15	1.313	9.2	0.04
Siemens/DPC Immulite 1000	13	1.521	5.7	0.03
Roche Elecsys	13	1.618	5.3	0.03
Siemens Atellica IM	12	1.446	8.6	0.05
Siemens/DPC Immulite 2000/2500	11	1.469	8.2	0.05
Beckman Access/LXi725 Fast TSH 2nd gen.	9	1.436	2.8	0.02
Ortho Vitros TSH3	9	1.468	2.0	0.01



TDPA = 16.3%







RIQAS

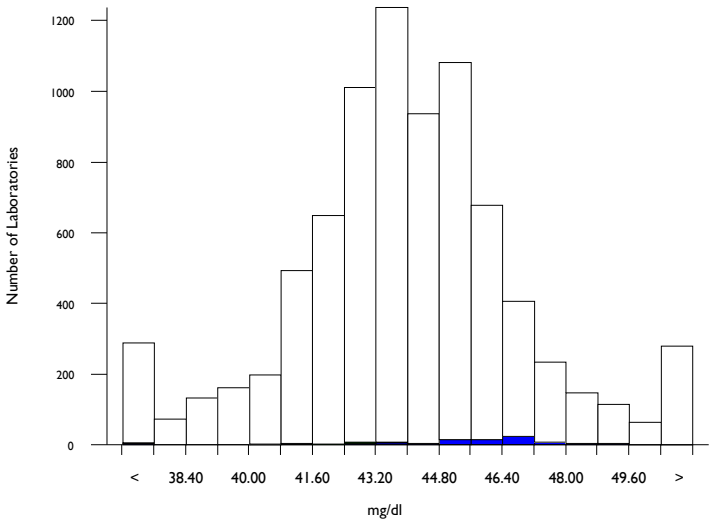
UKAS PROFICIENCY TESTING 0010

Urea, mg/dl

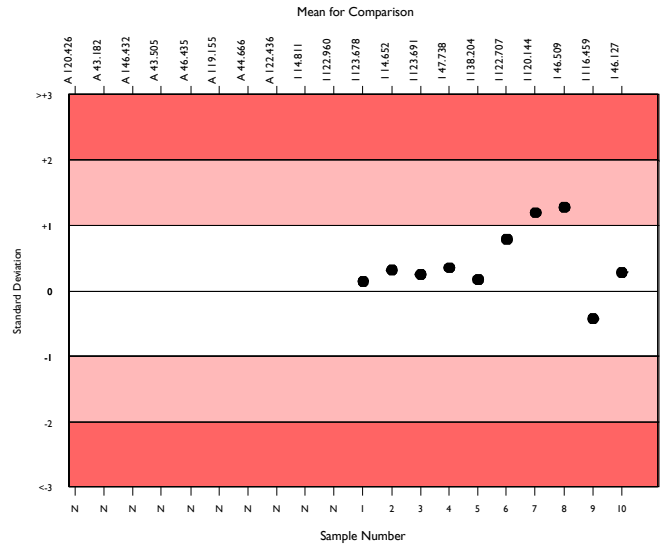
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7489	44.005	4.9	0.03	3.02	686
Abbott Architect Urea Nitrogen 2	99	45.774	4.5	0.26	3.14	11
Abbott Architect c systems	90	46.127	3.9	0.23	3.17	10

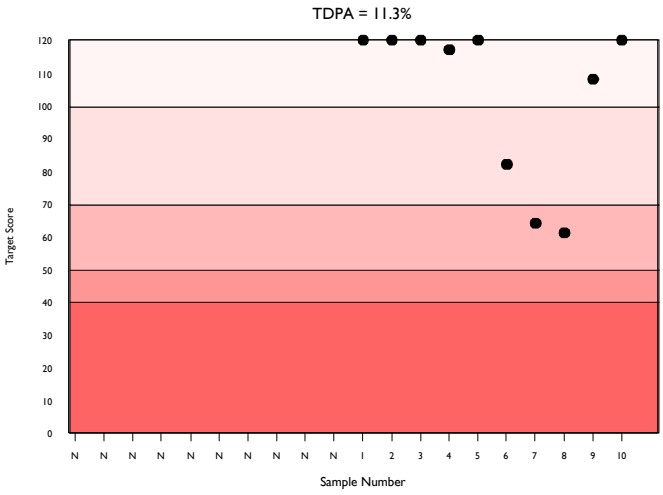
Your Result	47.000	SDI	0.28
		RMSDI	0.43
Mean for Comparison	46.127	TS	120
		RMTS	103
		%DEV	1.9
		RM%DEV	3.3

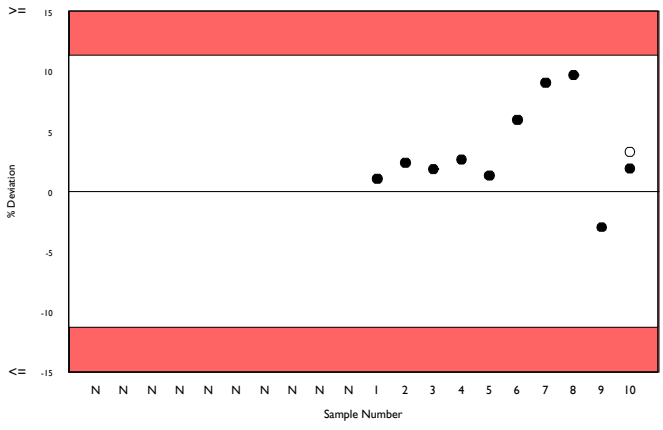
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.30%

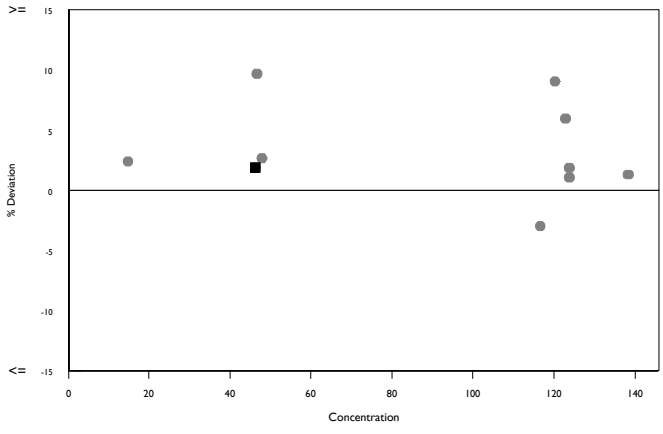


Method	N	Mean	CV%	U_m
Urease, kinetic	6352	44.047	4.7	0.03
Urease, end point	468	44.157	5.7	0.14
Ortho Vitros MicroSlide Systems	249	42.104	3.4	0.11
Urease, hypochlorite	102	43.305	4.7	0.25
Abbott Architect Urea Nitrogen 2	99	45.774	4.5	0.26
Agappe - UREASE GLDH	75	43.964	5.0	0.32
Other Dry Chemistry	70	44.643	4.6	0.31
Beckman - Conductivity	41	45.397	4.2	0.38
Agappe - BERTHELOT	8	44.456	3.7	0.73
Diacetyl monoxime	9	43.058	3.1	0.55
O-Phthalaldehyde	8	42.583	5.4	1.02









RIQAS

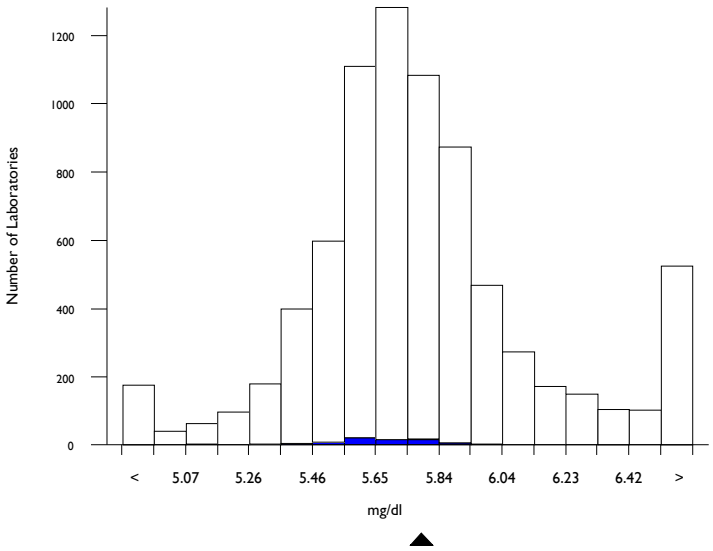
UKAS PROFICIENCY TESTING 0010

Uric Acid (Urate), mg/dl

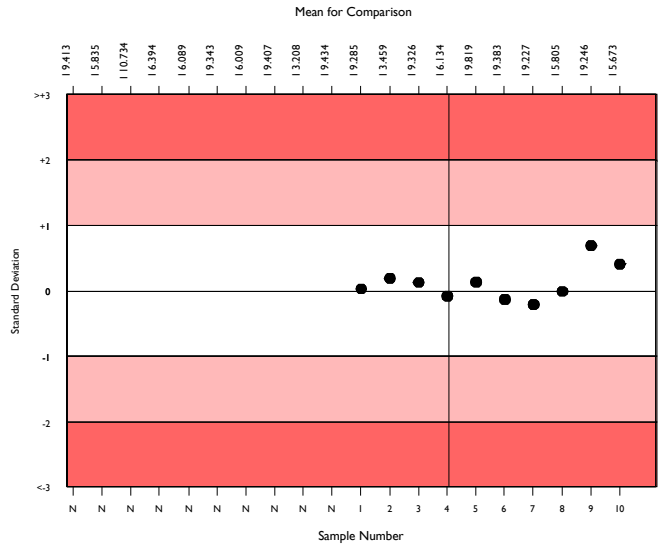
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6960	5.750	4.5	0.00	0.32	716
Abbott Architect Uric Acid 2	76	5.673	2.4	0.02	0.32	9
Abbott Architect c systems	72	5.673	2.3	0.02	0.32	9

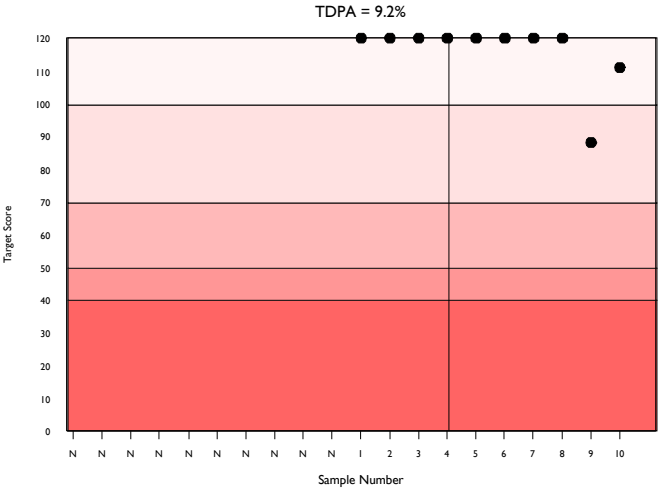
▲ Your Result	5.800	SDI	0.40
		RMSDI	0.11
Mean for Comparison	5.673	TS	111
		RMTS	115
		%DEV	2.2
		RM%DEV	0.6

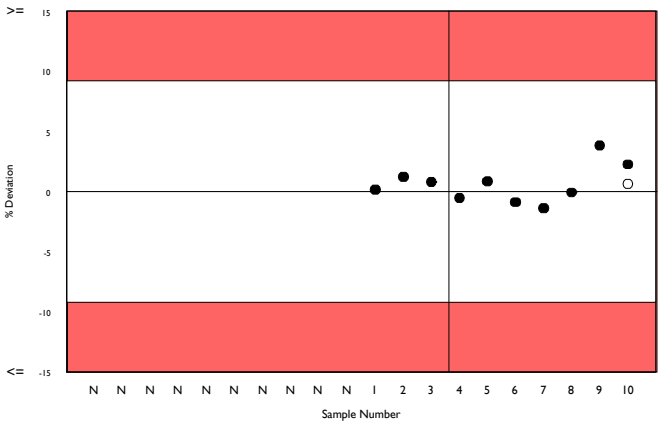
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.20%

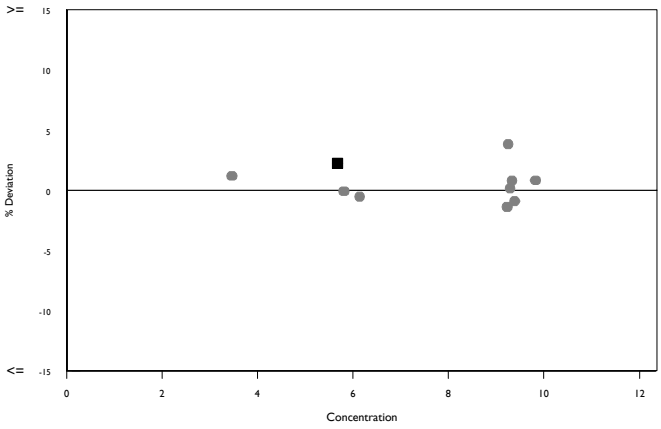


Method	N	Mean	CV%	U_m
Uricase perox. no ascorb. ox.	2691	5.785	4.9	0.01
Uricase Perox. with ascorb. ox	1974	5.775	4.2	0.01
Uricase Perox. with ascorb. ox @ 546nm	1347	5.698	3.9	0.01
Ortho Vitros MicroSlide Systems	236	5.492	2.3	0.01
Uricase @ 293 nm	200	5.694	2.6	0.01
Abbott Alinity Uric Acid 2	135	5.619	1.8	0.01
Uricase, catalase 340nm.	108	5.725	3.2	0.02
Abbott Architect Uric Acid 2	76	5.673	2.4	0.02
Agappe - URICASE - PAP	46	6.089	3.2	0.04
Other Dry Chemistry	43	6.073	4.1	0.05
Agappe - URICASE - TOPS	27	6.384	8.0	0.12
Reduction methods	19	5.759	3.2	0.05
Vitros DT60/DT60 II	3	5.754	7.2	0.30









RIQAS

UKAS PROFICIENCY TESTING 0010

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	3.933	4.100	0.84	-0.49	4.2	-2.7	79	78	
Alkaline Phosphatase	189.243	202.000	0.68	-0.05	6.7	-0.7	89	104	
ALT (GPT)	36.626	35.000	-0.54	-0.17	-4.4	-1.6	98	107	
Amylase, Pancreatic	59.648	60.000	0.05	-0.04	0.6	-0.5	120	118	
Amylase, Total	87.062	88.000	0.13	0.16	1.1	1.6	120	118	
AST (GOT)	34.486	34.000	-0.16	0.87	-1.4	7.8	120	89	
Bile Acids	28.839	30.300	0.48	0.26	5.1	3.8	104	113	
Bilirubin, Direct	1.085	1.100	0.10	0.14	1.4	2.1	120	113	
Bilirubin, Total	1.540	1.500	-0.30	0.25	-2.6	2.5	120	96	
Calcium	8.353	8.400	0.12	0.14	0.6	0.7	120	117	
Chloride	96.229	97.000	0.31	0.29	0.8	0.8	120	109	
Cholesterol	160.815	160.000	-0.11	0.28	-0.5	1.4	120	110	
CK, Total	178.542	174.000	-0.38	-0.41	-2.5	-3.0	114	104	
Creatinine	1.428	1.460	0.32	140.55	2.3	104.0	120	84	
GGT	56.262	61.000	0.93	0.22	8.4	2.2	75	107	
Glucose	103.487	106.000	0.53	32.81	2.4	99.4	99	101	
HDL-Cholesterol	57.104	57.000	-0.02	0.03	-0.2	0.3	120	120	
Iron	122.821	124.000	0.16	0.05	1.0	0.3	120	107	
LD (LDH)	193.798	192.000	-0.15	-0.02	-0.9	0.0	120	115	
LDL-Cholesterol	78.964	83.000	0.44	0.06	5.1	0.7	107	116	
Lipase	32.239	33.000	0.20	0.02	2.4	0.2	120	120	
Lithium	0.918	0.960	0.62	2.09	4.6	16.4	92	90	
Magnesium	2.150	2.320	1.25	0.33	7.9	2.1	62	112	
Phosphate, Inorganic	4.372	4.400	0.12	-0.18	0.6	-1.0	120	115	
Potassium	3.934	3.900	-0.28	0.07	-0.9	0.2	120	116	
Protein, Total	6.003	6.000	-0.01	0.19	-0.1	1.0	120	113	
PSA, Total	6.942	6.800	-0.16	-0.07	-2.0	-1.0	120	115	
Sodium	140.648	140.000	-0.22	0.21	-0.5	0.5	120	111	
Free T3	3.991	4.290	0.85	-0.10	7.5	-1.1	79	99	
Free T4	1.274	1.240	-0.27	0.28	-2.7	3.6	120	99	
TSH	1.177	1.120	-0.49	0.23	-4.8	3.2	103	101	
Urea	46.127	47.000	0.28	0.43	1.9	3.3	120	103	
Uric Acid (Urate)	5.673	5.800	0.40	0.11	2.2	0.6	111	115	

ORMSDI 5.41 **ORM%DEV 7.5** **ORMTS 107**

END OF REPORT