

Legit Medical Diagnostics

# MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 11

## Explanation of codes used in this report

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

Authorised by: Sally Picton, RIQAS Manager

Issue No: 1

Issue Date: 01/12/2023

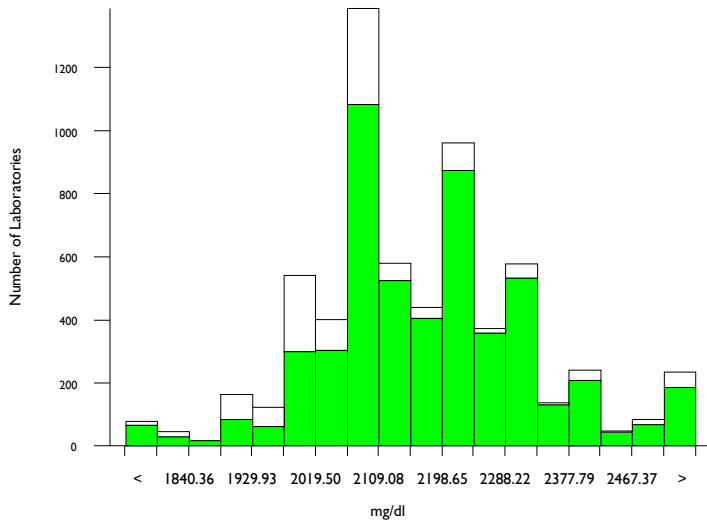
Randox Laboratories Limited  
55 Diamond Road  
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# Albumin, mg/dl

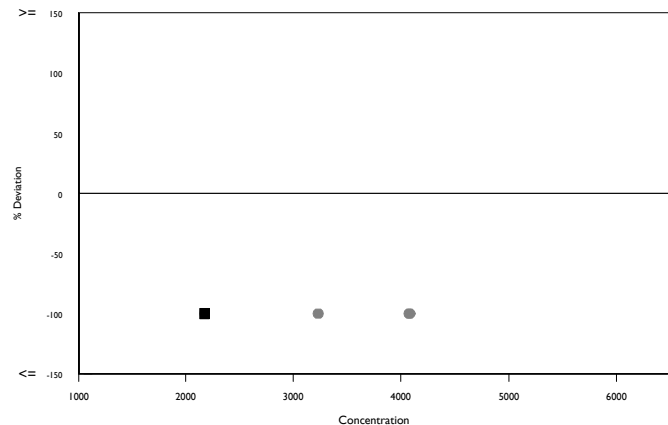
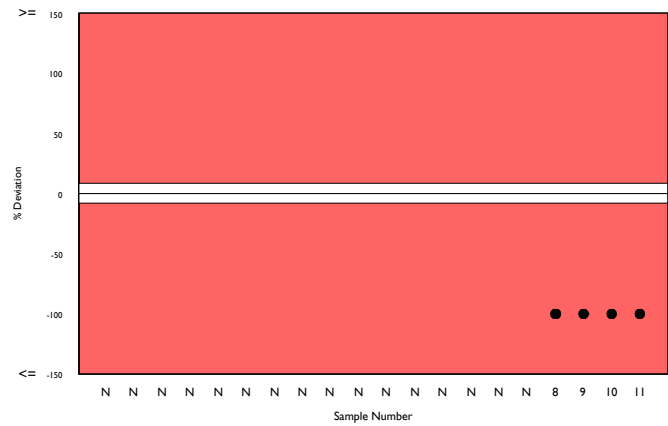
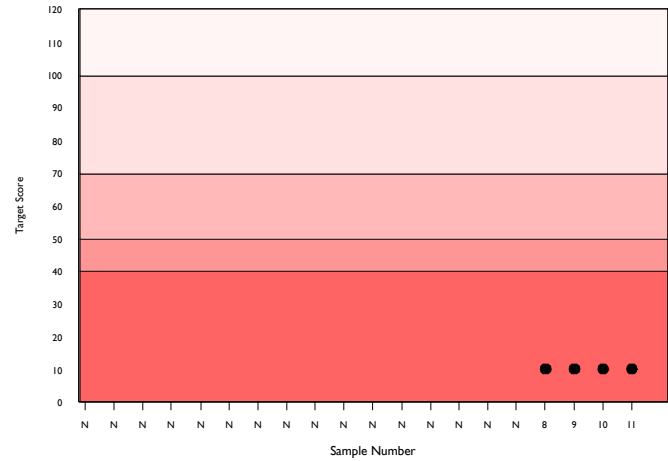
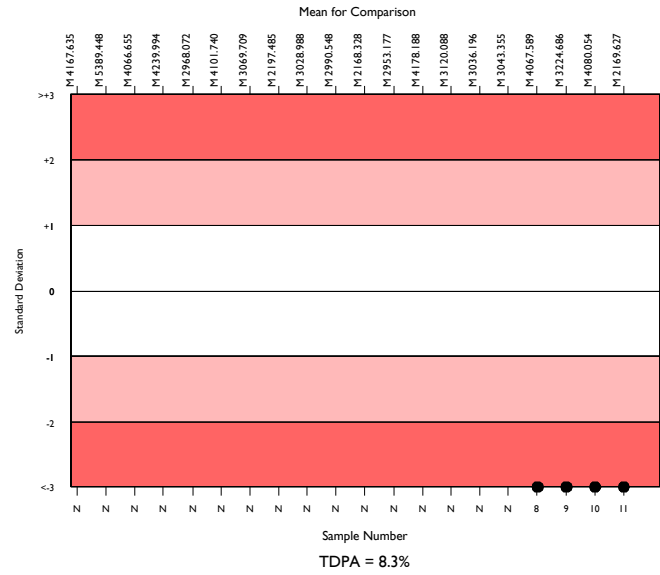
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	5982	2153.868	5.5	1.93	108.68	435
Bromocresol Green	4914	2169.627	5.3	2.03	109.48	350
Randox RX Series	1	2390.000	0.0	0.00	N/A	1

▲ Your Result	1.920	SDI	-19.80
		RMSDI	Too Few
■ Mean for Comparison	2169.627	TS	10
		RMTS	Too Few
		%DEV	-99.9
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Bromocresol Green	4914	2169.627	5.3	2.03
Bromocresol Purple	460	2070.961	3.8	4.64
Ortho Vitros MicroSlide Systems	219	1982.443	3.0	4.96
Abbott Alinity Albumin BCG 2	123	2096.734	0.9	2.10
Agappe - Bromocresol Green	66	2958.091	26.4	119.95
Other Dry Chemistry	46	2338.043	3.7	16.15
Abbott Architect Albumin BCG 2	40	2118.375	1.9	8.15
Turbidimetric Assays	38	2180.763	5.4	23.91
Abbott Architect Albumin BCP 2	26	1978.883	2.1	10.26
Abbott Alinity Albumin BCP 2	13	1964.269	2.5	17.12
Nephelometric Assays	7	2070.000	6.3	61.23
Electrophoresis	2	2165.000	4.2	81.24

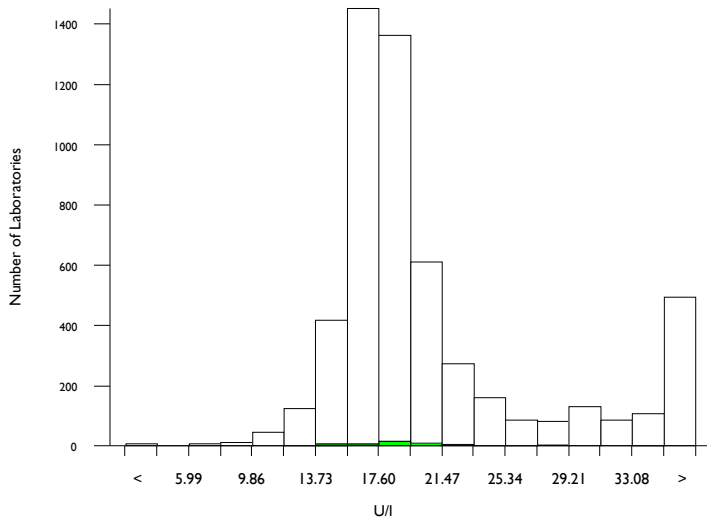
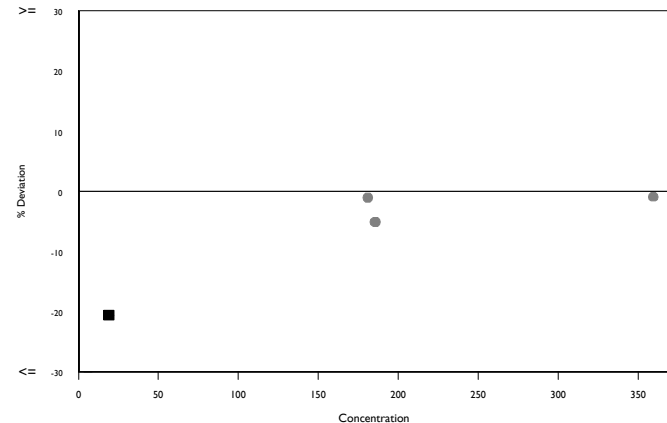
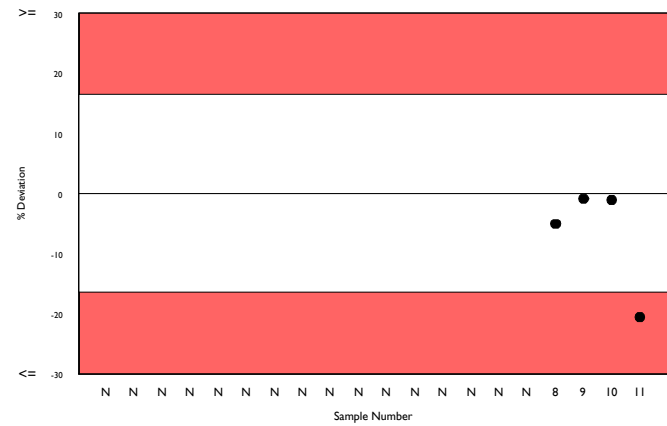
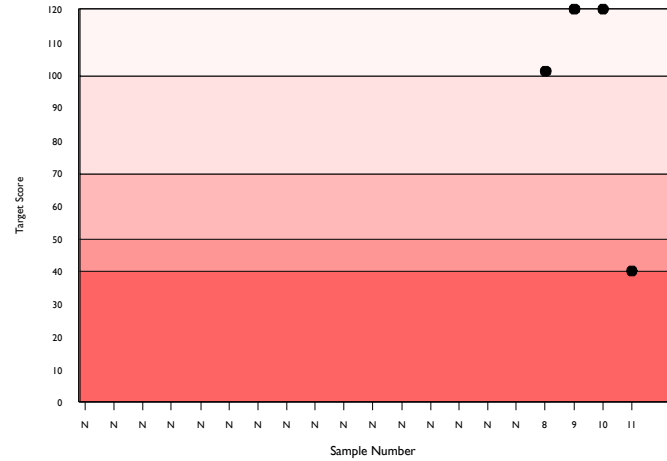
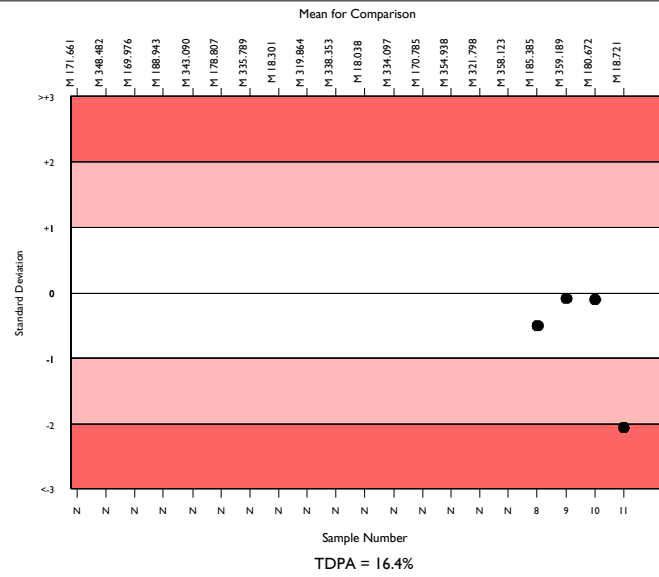


# Alkaline Phosphatase, U/l @ 37°C

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	5028	19.537	26.4	0.09	1.95	441
Other AMP kits	42	18.721	13.1	0.47	1.87	5
Randox RX Series	1	14.870	0.0	0.00	N/A	0

▲ Your Result	14.870	SDI	-2.06
		RMSDI	Too Few
■ Mean for Comparison	18.721	TS	40
		RMTS	Too Few
		%DEV	-20.6
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.40%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



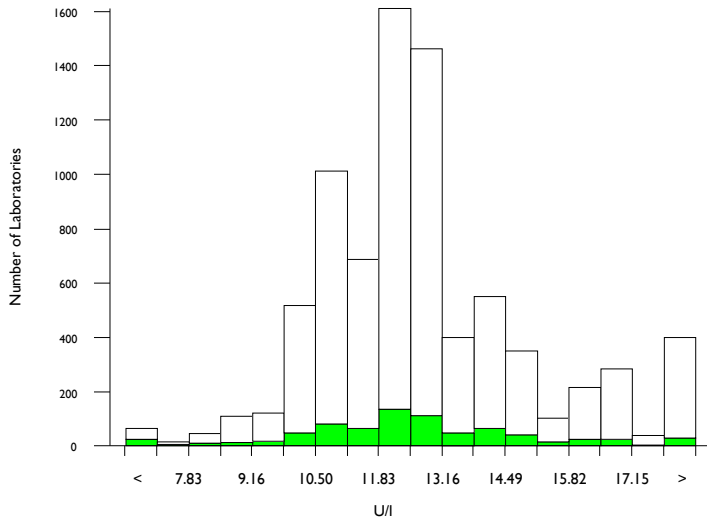
Method	N	Mean	CV%	U <sub>m</sub>
AMP optimised to IFCC	2090	18.773	21.8	0.11
Roche AMP buffer IFCC	1251	17.402	7.9	0.05
Diethanolamine buffer, DEA	442	37.130	20.1	0.44
Ortho Vitros MicroSlide Systems	236	22.460	8.3	0.15
Siemens/Dade Dimension AMP buffer	214	16.333	17.5	0.24
AMP non-optimised	203	22.696	33.4	0.67
Beckman AMP (Calibrator)	144	17.690	11.0	0.20
Abbott Alinity Alkaline Phosphatase 2	128	19.094	5.4	0.11
Colorimetric	101	17.338	12.1	0.26
Abbott Architect Alkaline Phosphatase 2	57	19.088	7.1	0.23
Agappe - DGKC-SCE	44	129.785	84.8	20.74
Other Dry Chemistry	42	22.916	17.4	0.77
Other AMP kits	42	18.721	13.1	0.47
Beckman AMP (Extinction Coeff)	30	17.122	12.2	0.48
Fuji Dri-Chem JSCC	13	23.654	12.6	1.03
AMP optimised to NVKC/SFBC	8	21.418	33.9	3.20
AMPD optimised to JSCC	4	16.075	25.4	2.55
Vitros DT60/DT60 II/DTSC II	3	22.667	9.2	1.50
Tris/carbonate buffer	3	18.433	31.3	4.17

# ALT (GPT), U/I @ 37°C

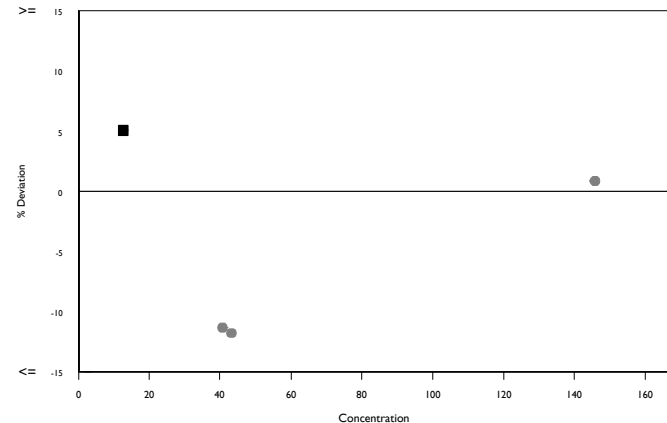
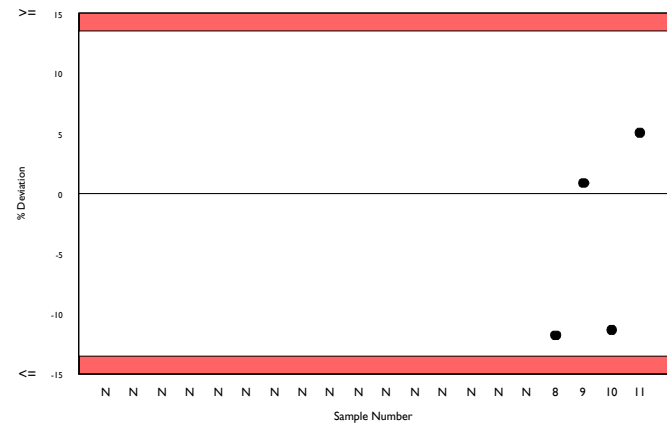
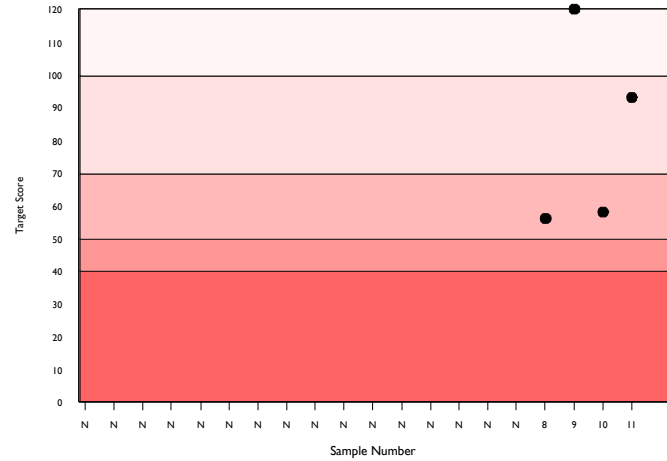
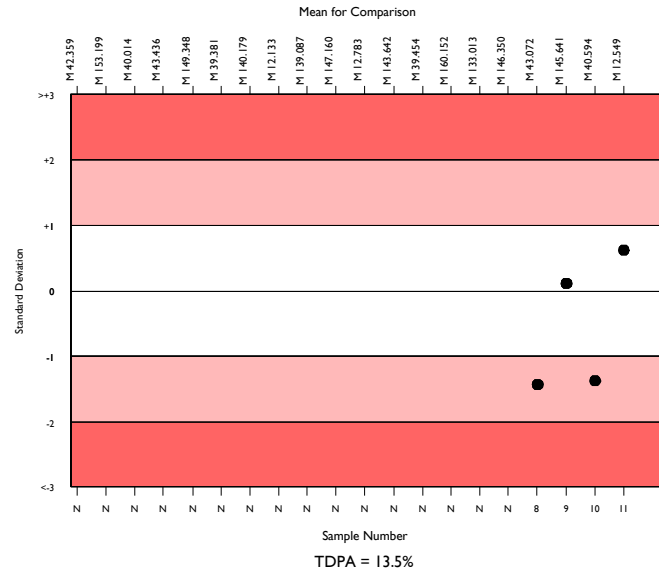
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7469	12.498	14.2	0.03	1.03	509
Tris buffer with P5P	691	12.549	15.0	0.09	1.03	61
Randox RX Series	1	13.180	0.0	0.00	N/A	0

▲ Your Result	13.180	SDI	0.61
		RMSDI	Too Few
■ Mean for Comparison	12.549	TS	93
		RMTS	Too Few
		%DEV	5.0
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Tris buffer without P5P	4646	12.246	12.8	0.03
Beckman Mod. IFCC Ref. without P5P	994	12.298	6.6	0.03
Tris buffer with P5P	691	12.549	15.0	0.09
Ortho Vitros MicroSlide Systems	175	17.844	5.4	0.09
Siemens/Dade standard nonIFCC correlated	150	13.698	15.0	0.21
Abbott Alinity ALT 2	147	11.782	5.4	0.07
Beckman IFCC Ref. with P5P	112	12.403	6.1	0.09
Agappe - IFCC	72	12.871	18.2	0.35
Colorimetric	64	12.825	8.9	0.18
Ortho Vitros MicroSlide visible	68	17.574	6.6	0.18
Other Dry Chemistry	64	15.475	5.6	0.14
Abbott Architect ALT 2	63	11.856	5.9	0.11
Tris buffer with P5P, NVKC	28	11.769	8.9	0.25
Phosphate buffer, DGKC	24	12.825	17.8	0.58
Tris buffer, SCE	15	11.539	12.0	0.45
Beckman (Extinction Coefficient)	7	12.019	0.7	0.04
LDH - JSCC	4	11.700	11.4	0.84
Vitros DT60/DT60 II/DTSC II	2	15.000	18.9	2.50

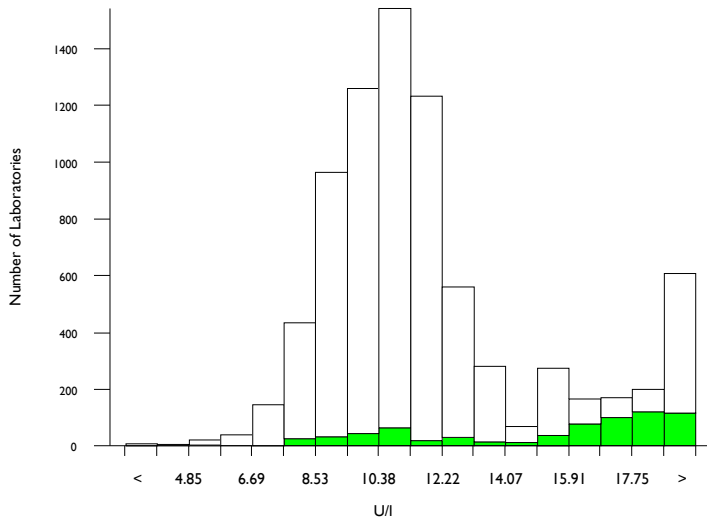


# AST (GOT), U/I @ 37°C

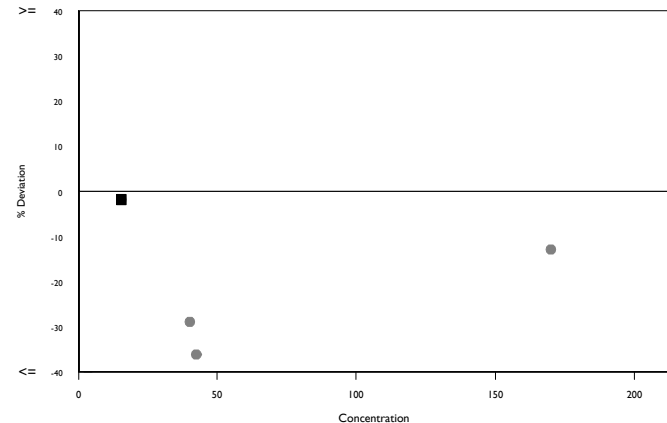
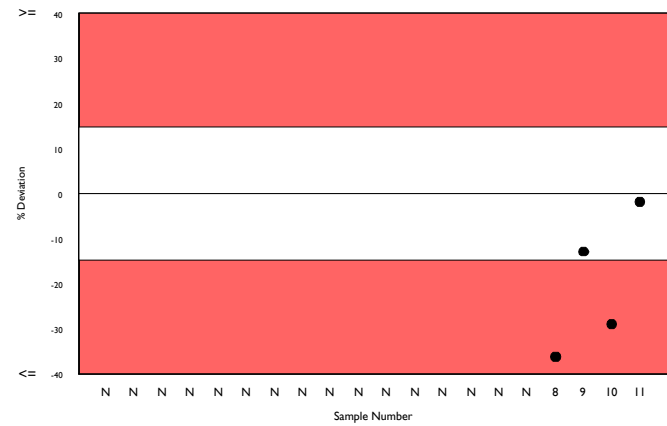
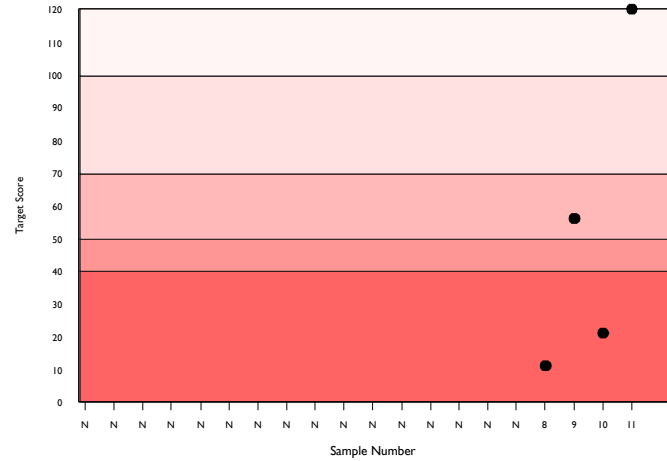
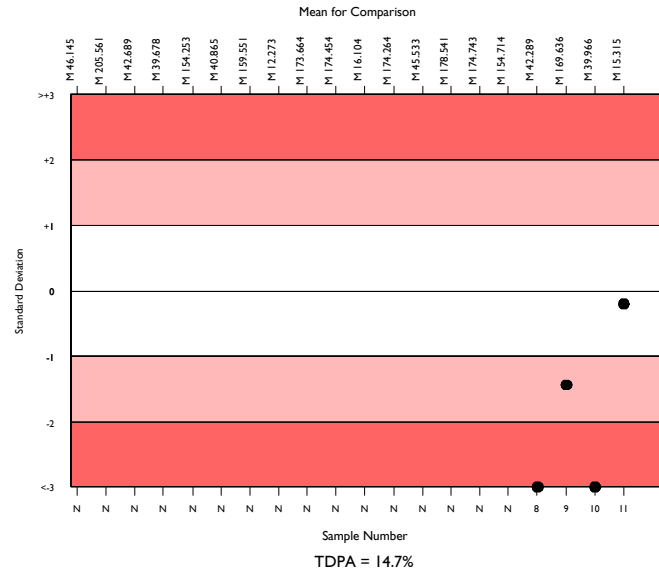
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7348	11.306	21.7	0.04	1.01	634
Tris buffer with P5P	678	15.315	23.9	0.18	1.37	15
Randox RX Series	1	15.030	0.0	0.00	N/A	0

▲ Your Result	15.030	SDI	-0.21
		RMSDI	Too Few
■ Mean for Comparison	15.315	TS	120
		RMTS	Too Few
		%DEV	-1.9
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Tris buffer without P5P	4783	10.635	17.8	0.03
Beckman Mod. IFCC Ref. without P5P	1060	11.238	9.1	0.04
Tris buffer with P5P	678	15.315	23.9	0.18
Ortho Vitros MicroSlide visible	243	21.145	5.2	0.09
Siemens/Dade standard non IFCC corr.	169	16.620	19.6	0.31
Abbott Alinity AST 2	152	11.664	6.7	0.08
Beckman IFCC Ref. with P5P	94	11.203	9.6	0.14
Agappe - IFCC	82	15.830	58.1	1.27
Other Dry Chemistry	61	14.049	4.8	0.11
Colorimetric	60	10.619	14.9	0.26
Abbott Architect AST 2	62	11.368	9.0	0.16
Tris buffer with P5P, NVKC	30	10.425	14.0	0.33
Phosphate buffer, DGKC	24	10.410	13.1	0.35
Tris buffer, SCE	16	12.610	25.6	1.01
Beckman (Extinction Coefficient)	10	11.034	11.5	0.50
MDH - JSCC	4	10.125	18.2	1.15
Vitros DT60/DT60 II/DTSC II	2	12.000	11.8	1.25



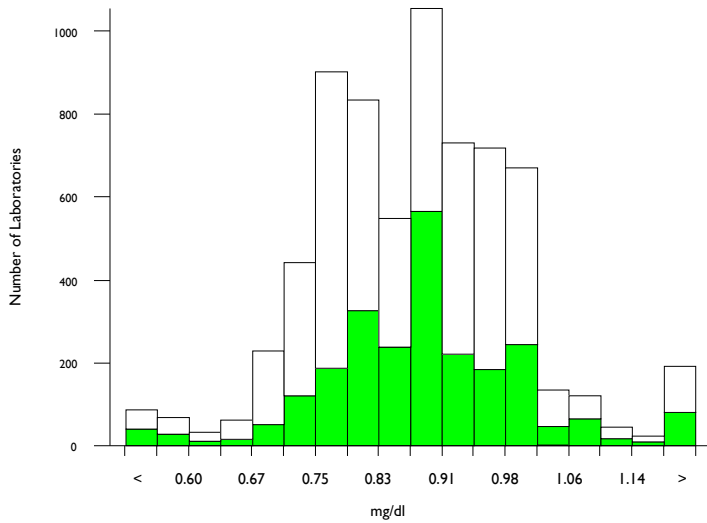


# Bilirubin, Total, mg/dl

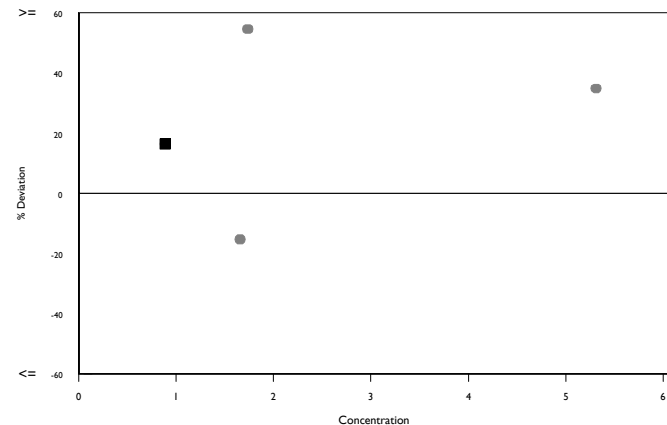
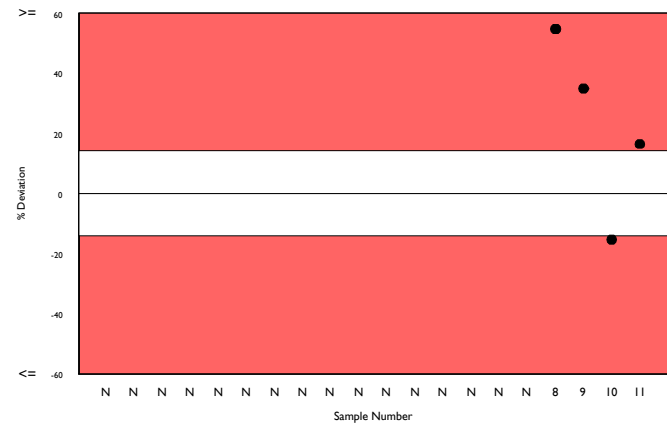
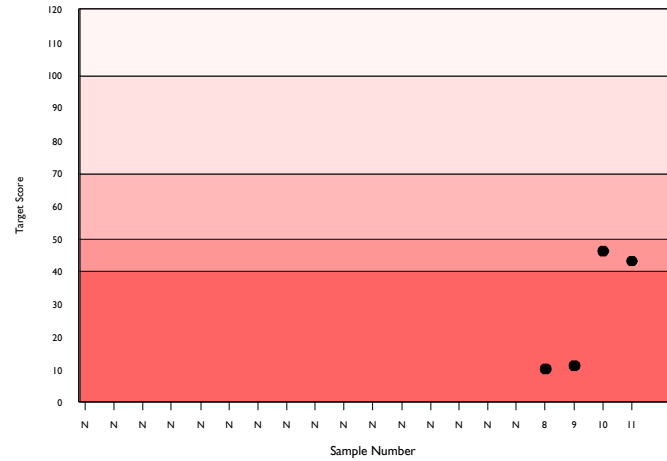
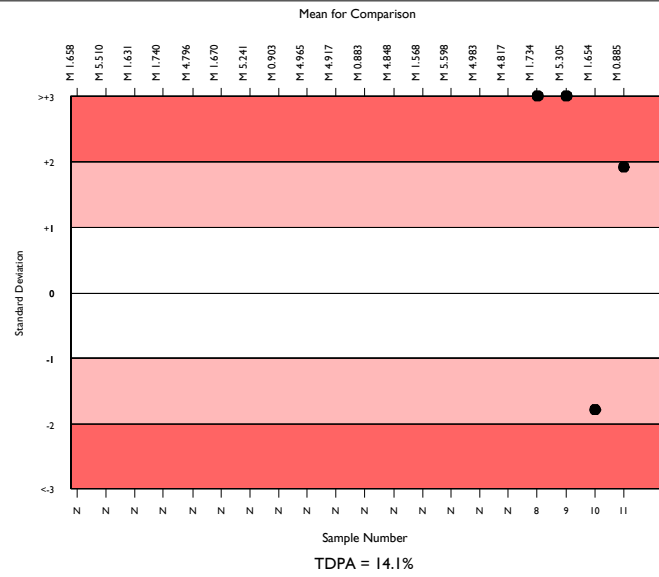
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	6576	0.872	11.8	0.00	0.07	313
Diazo with Sulphanilic Acid	2266	0.885	10.3	0.00	0.08	190
Randox RX Series	2	1.035	0.7	0.01	0.09	0

▲ Your Result	1.030	SDI	1.91
		RMSDI	Too Few
■ Mean for Comparison	0.885	TS	43
		RMTS	Too Few
		%DEV	16.4
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.10%
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Diazo with Sulphanilic Acid	2266	0.885	10.3	0.00
Dichlorophenyl Diazonium	1457	0.823	10.8	0.00
DPD (Beckman AU)	696	0.950	4.7	0.00
Diazo with Dichloroaniline	553	0.905	9.7	0.00
Diazonium ion	536	0.807	8.2	0.00
Oxidation to Biliverdin/Vanadate	438	0.947	8.4	0.00
Ortho Vitros MicroSlide System Total Bil	218	0.754	11.4	0.01
Other Dry Chemistry	57	0.842	10.5	0.01
Agappe - TAB	56	1.075	26.6	0.05
Abbott Alin/Arch cal batch no >97447/8/9	36	0.883	3.8	0.01
Abbott Alinity Total Bilirubin 2	30	0.930	7.2	0.02
Nitrobenzediazonium Salt	24	0.800	6.4	0.01
Agappe - DMSO	11	0.846	8.6	0.03
Abbott Architect Total Bilirubin 2	12	0.955	9.7	0.03
Direct Spectrophotometry	8	0.780	14.1	0.05
Vitros DT60/DT60 II Total Bil	4	0.847	15.1	0.08
Assel - DMSO	2	0.845	0.8	0.01

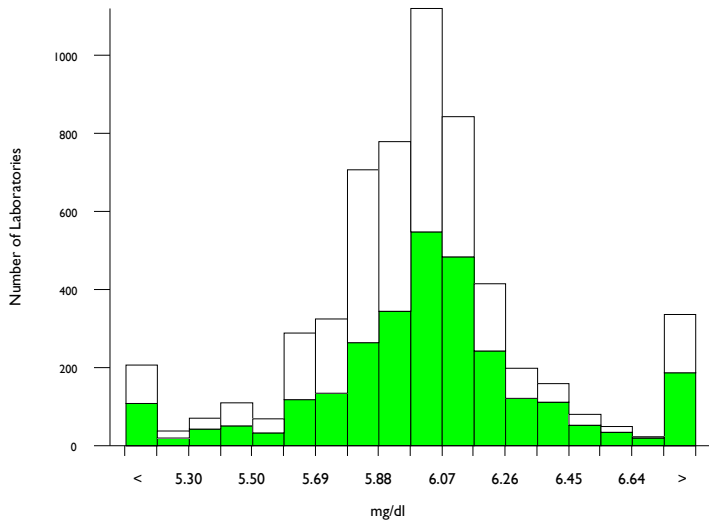


# Calcium, mg/dl

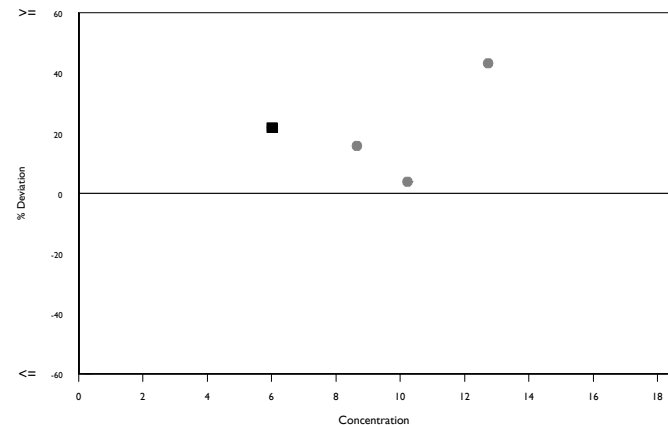
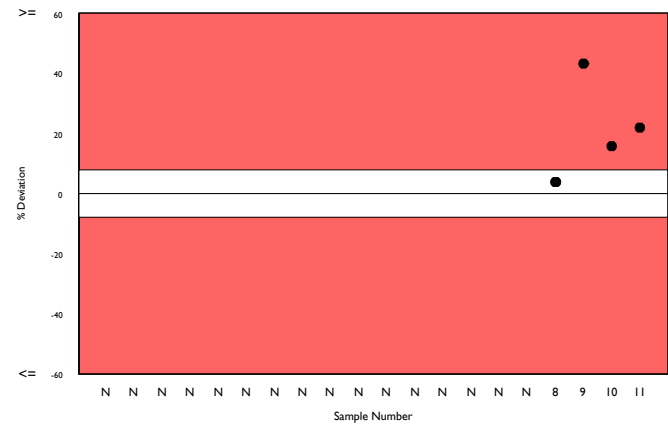
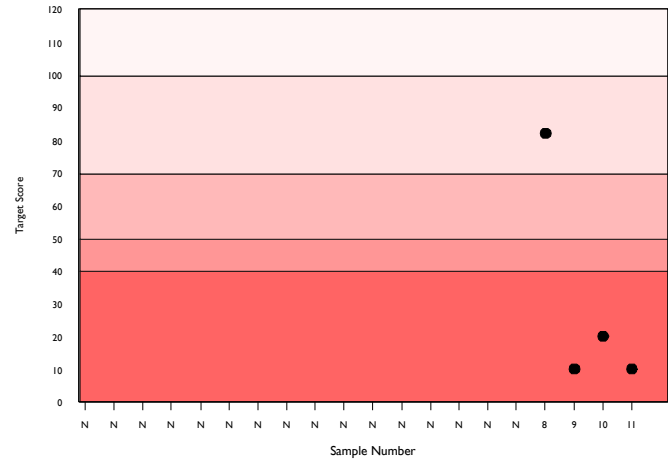
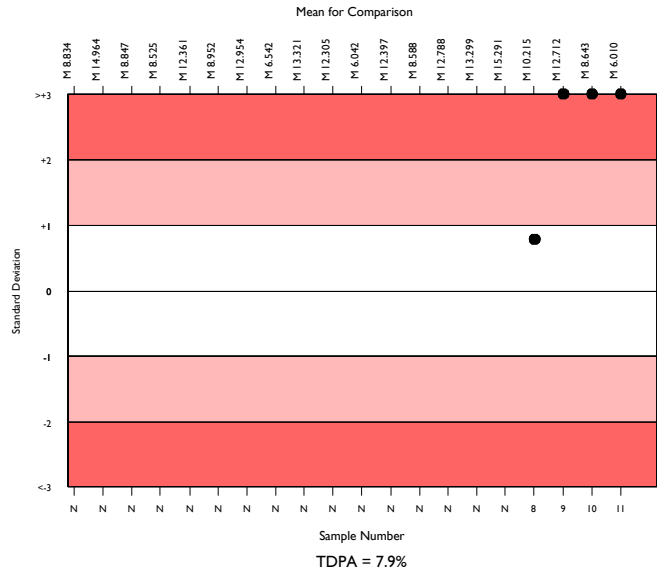
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	5346	5.976	4.3	0.00	0.29	477
Arsenazo	2616	6.010	4.1	0.01	0.29	308
Randox RX Series	2	6.260	23.9	1.32	1.36a	0

▲ Your Result	7.320	SDI	4.54
		RMSDI	Too Few
■ Mean for Comparison	6.010	TS	10
		RMTS	Too Few
		%DEV	21.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	7.90%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Arsenazo	2616	6.010	4.1	0.01
Cresolphthalein complexone	1132	5.934	4.2	0.01
NM-BAPTA	1008	5.961	2.4	0.01
Ortho Vitros MicroSlide Systems	235	5.814	3.1	0.01
Ion selective electrode	129	6.235	11.5	0.08
Agappe - ARSENAZO	57	7.368	21.9	0.27
Other Dry Chemistry	46	5.831	3.8	0.04
Phosphonazo	32	6.134	7.3	0.10
Methylthymol blue	12	5.648	5.7	0.12
Atomic absorption	4	5.880	4.5	0.17
Agappe - OCPC	3	8.190	12.4	0.73
Optical Emission Spectroscopy	1	6.580	0.0	0.00



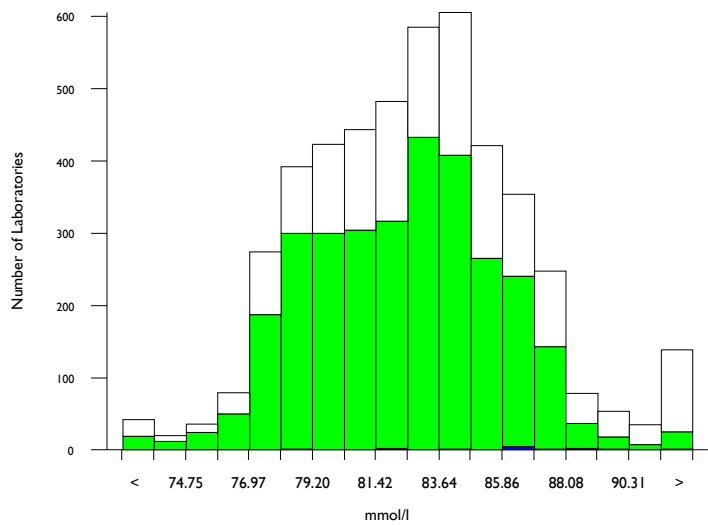


# Chloride, mmol/l

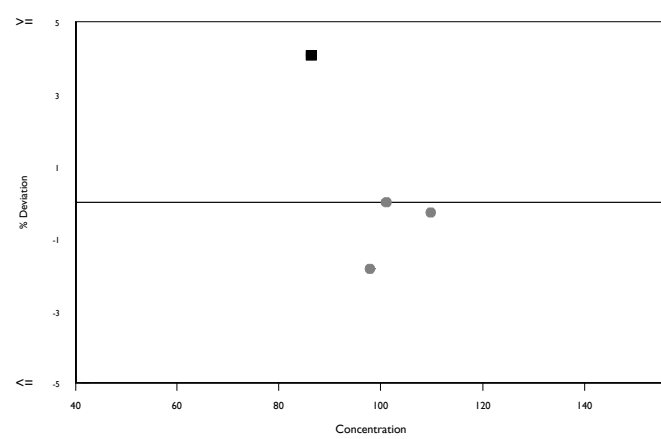
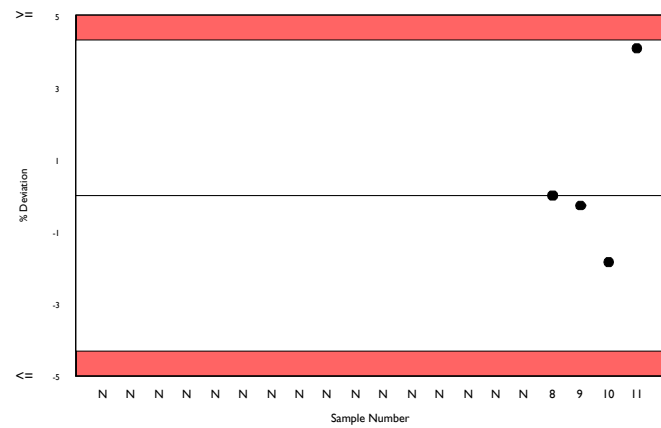
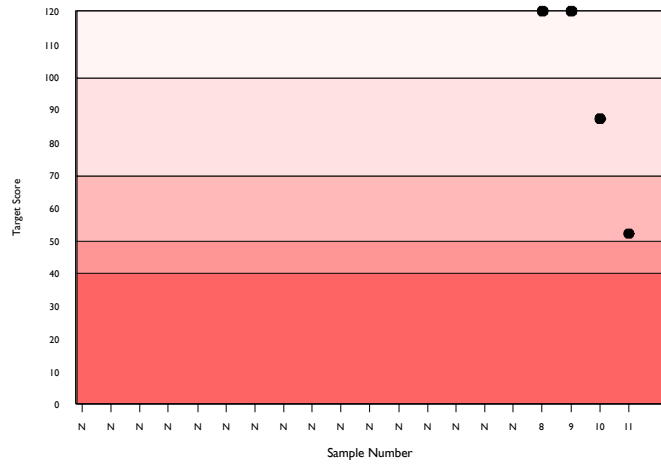
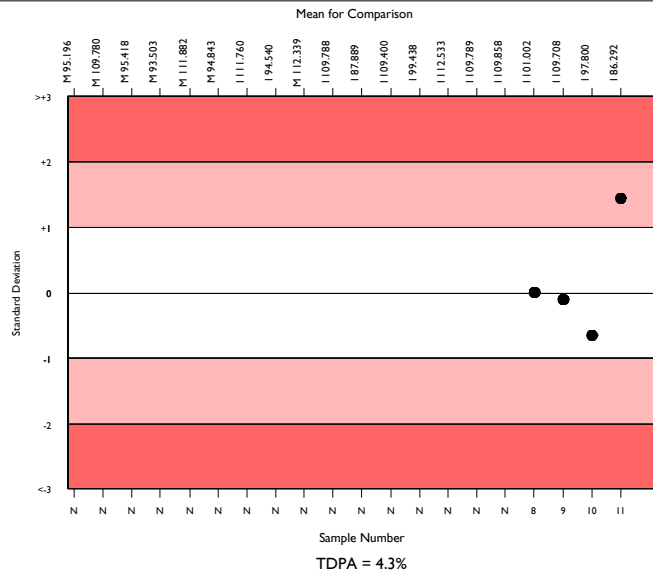
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	4400	82.534	3.6	0.06	2.16	306
ISE, indirect	2937	82.367	3.4	0.06	2.15	149
Sensa Core ST series	12	86.292	3.0	0.92	2.44a	2

▲ Your Result	89.800	SDI	1.44
		RMSDI	Too Few
■ Mean for Comparison	86.292	TS	52
		RMTS	Too Few
		%DEV	4.1
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
ISE, indirect	2937	82.367	3.4	0.06
ISE, direct	1154	82.592	3.9	0.12
Ortho Vitros MicroSlide Systems	157	85.127	1.7	0.15
Colorimetric	108	87.722	4.3	0.45
Other Dry Chemistry	44	79.218	2.2	0.33
Agappe - THIOCYANATE	22	112.816	1.5	0.46
Optical Fluorescence	4	83.775	6.1	3.18

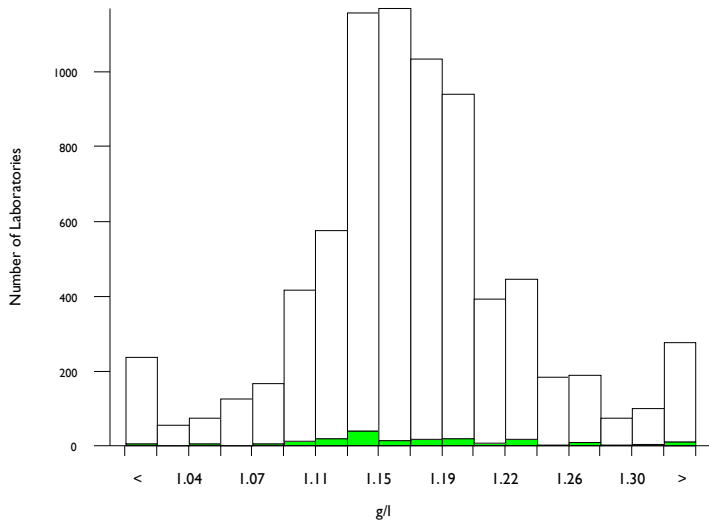


# Cholesterol, g/l

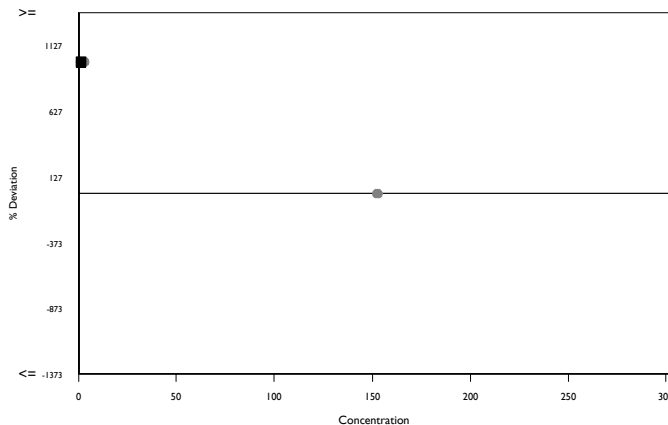
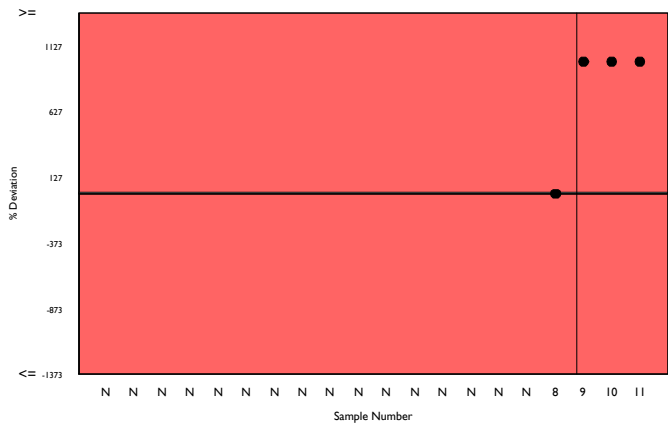
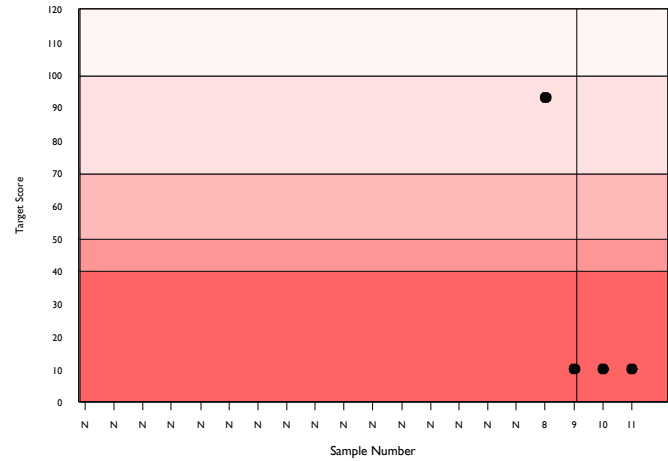
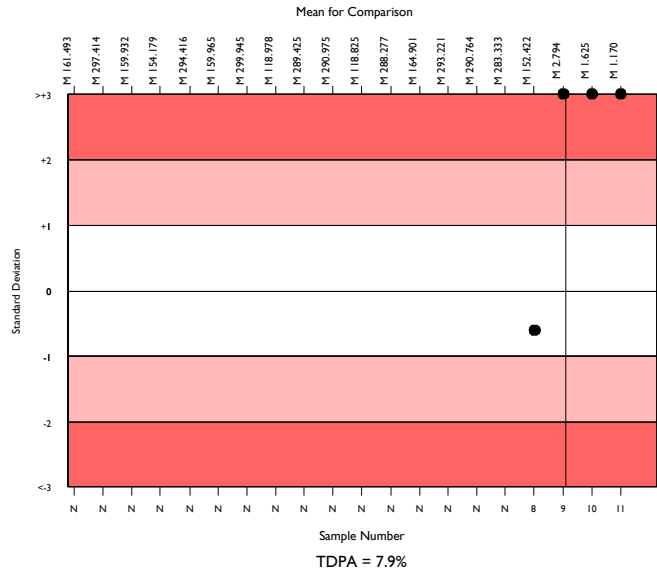
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7076	1.173	4.3	0.00	0.06	526
Cholesterol Dehydrogenase	175	1.170	4.8	0.01	0.06	18
Randox RX Series	1	1.120	0.0	0.00	N/A	1

▲ Your Result	93.790	SDI	1649.40
		RMSDI	Too Few
■ Mean for Comparison	1.170	TS	10
		RMTS	Too Few
		%DEV	999.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	7.90%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Cholesterol Oxidase - Abell Kendall	4904	1.176	4.3	0.00
Cholesterol Oxidase - IDMS	1083	1.175	3.2	0.00
Ortho Vitros MicroSlide Systems	245	1.127	3.6	0.00
Siemens Dimension	240	1.159	3.8	0.00
Cholesterol Dehydrogenase	175	1.170	4.8	0.01
Abbott Alinity Cholesterol 2	131	1.166	1.6	0.00
Agappe - CHOD-PAP	96	1.255	12.6	0.02
Abbott Architect Cholesterol 2	76	1.183	3.0	0.01
Other Dry Chemistry	59	1.131	4.5	0.01
Dimension - non Siemens reagents	2	1.181	5.5	0.06
Vitros DT60/DT60 II/DTSC II	2	1.179	7.6	0.08

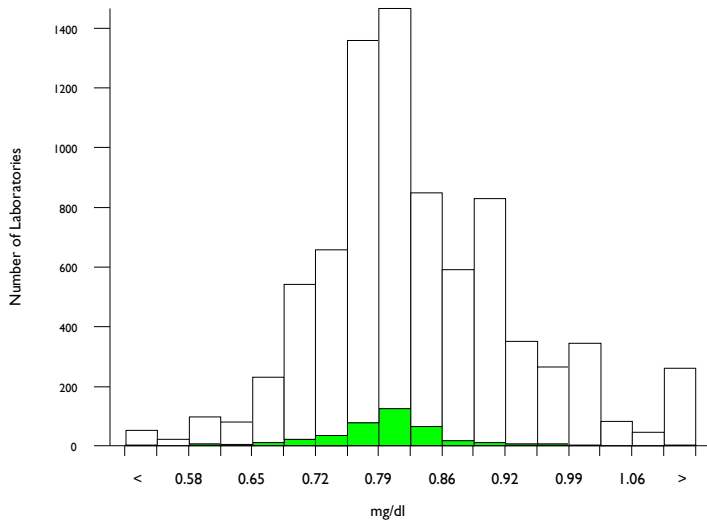


# Creatinine, mg/dl

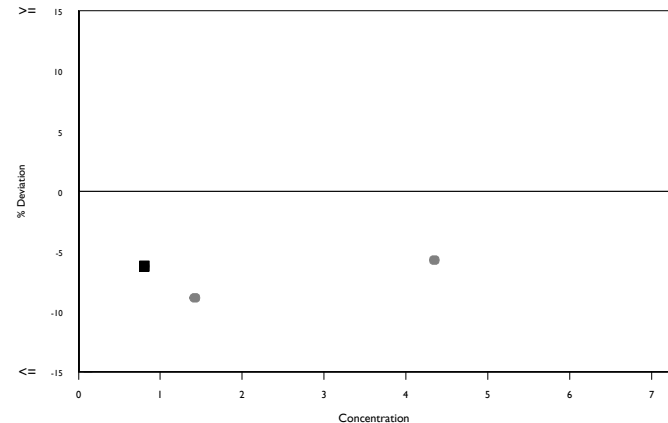
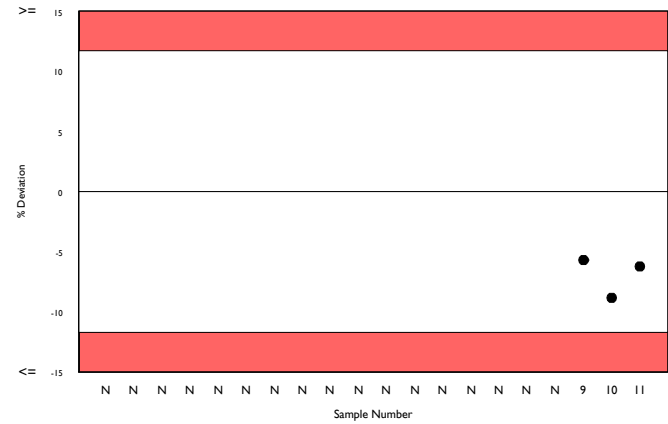
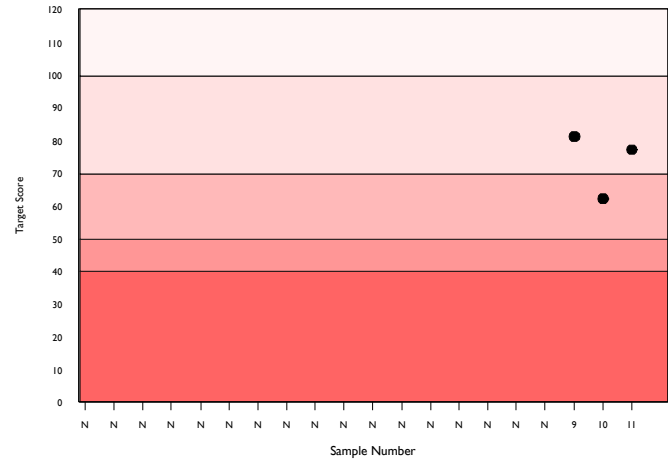
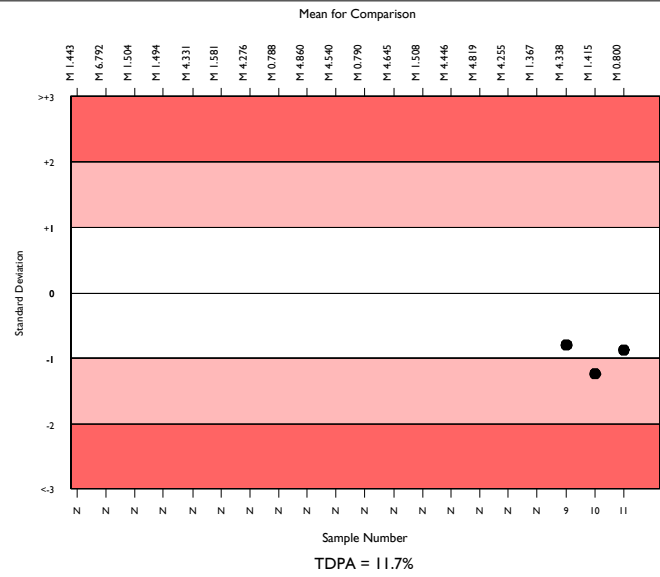
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7745	0.827	11.0	0.00	0.06	375
Enzymatic UV method (340nm)	363	0.800	6.2	0.00	0.06	34
Randox RX Series	1	0.750	0.0	0.00	N/A	0

▲ Your Result	0.750	SDI	-0.88
		RMSDI	Too Few
■ Mean for Comparison	0.800	TS	77
		RMTS	Too Few
		%DEV	-6.2
		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 <sub>m</sub>
Alkaline picrate no deproteinisation	1826	0.849	12.2	0.00
Jaffe rate blanked	1691	0.892	8.4	0.00
Jaffe rate blanked comp. (-26umol/l)	890	0.789	5.6	0.00
IDMS traceable	436	0.779	6.8	0.00
Enzymatic UV method (340nm)	405	0.812	6.8	0.00
Roche Creatinine Plus	376	0.809	3.5	0.00
Jaffe rate comp. (-18umol/l)	384	0.784	6.5	0.00
Other enzymatic methods	363	0.800	6.2	0.00
Creatinine PAP method	333	0.815	7.7	0.00
Alkaline picrate with deproteinisation	192	0.864	12.2	0.01
Vitros, IDMS traceable	184	0.671	6.2	0.00
Other Dry Chemistry	101	0.707	8.5	0.01
Abbott Alinity Creatinine 2	79	0.765	3.6	0.00
Abbott Architect Creatinine 2	70	0.769	5.2	0.01
Agappe - JAFFE'S KINETIC	71	1.028	27.1	0.04
Jaffe rate blanked comp. (-33umol/l)	52	0.885	9.6	0.01
Vitros DT60/DT60 II/DTSC II	32	0.666	6.7	0.01
Agappe - ENZYMATIC	28	0.821	9.0	0.02

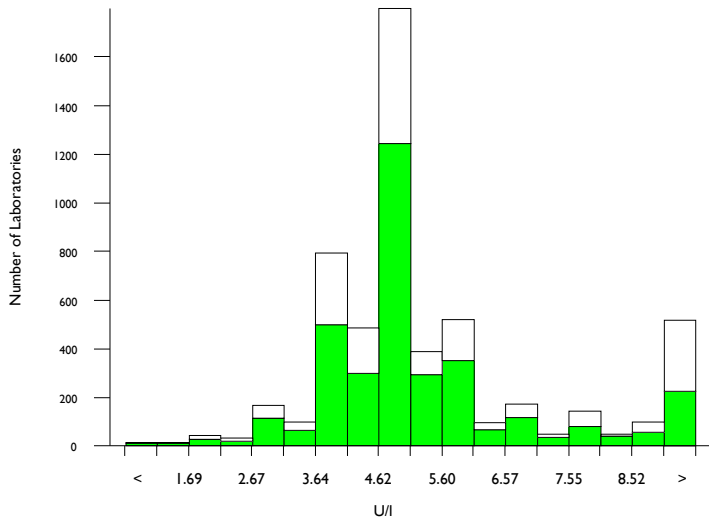
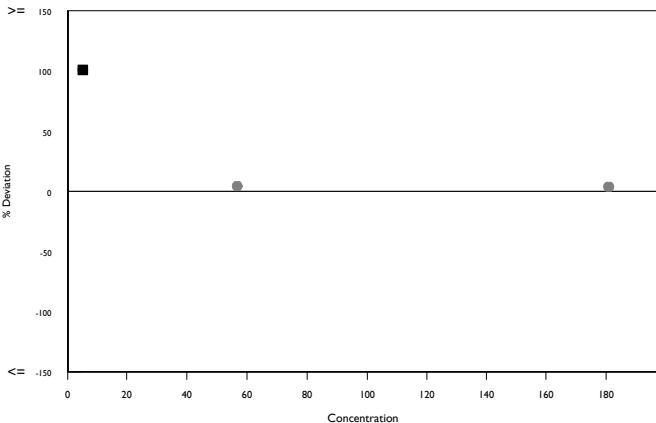
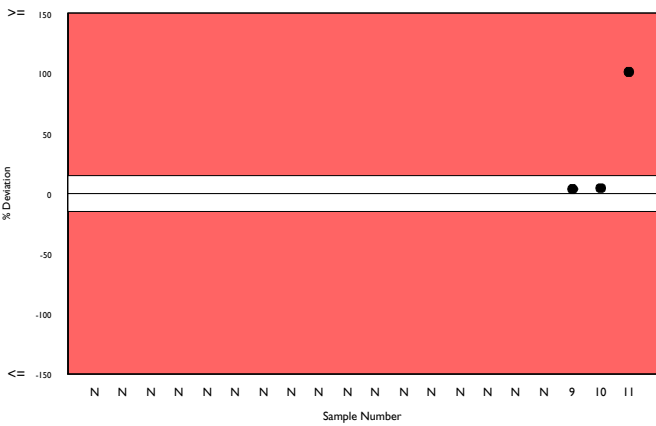
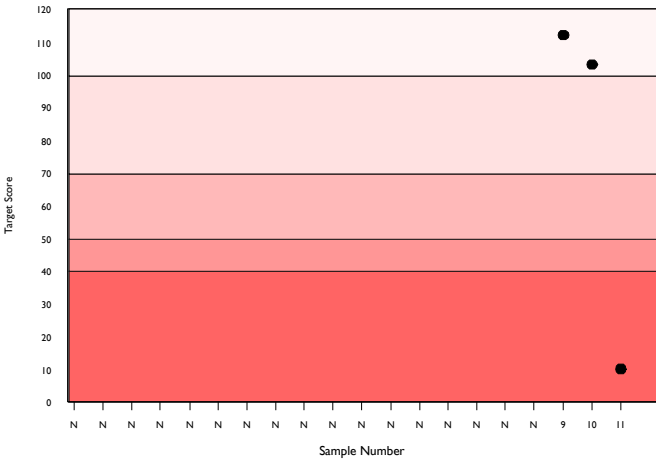
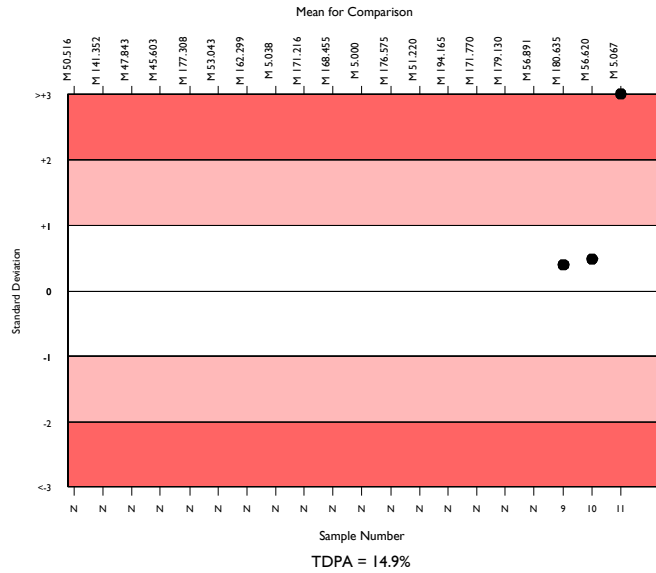


# GGT, U/I @ 37°C

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	4961	5.112	25.4	0.02	0.46	693
Gamma glut'3-carb'4-nitro(IFCC)	3286	5.067	23.2	0.03	0.46	320
Randox RX Series	1	10.170	0.0	0.00	N/A	0

▲ Your Result	10.170	SDI	11.12
		RMSDI	Too Few
■ Mean for Comparison	5.067	TS	10
		RMTS	Too Few
		%DEV	100.7
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.90%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Gamma glut'3-carb'4-nitro(IFCC)	3286	5.067	23.2	0.03
Gamma glut.-3-carb.-4-nitro.	922	4.795	22.9	0.05
Ortho Vitros MicroSlide Systems	109	8.566	22.7	0.23
Abbott Alinity GGT 2	167	4.965	11.2	0.05
Siemens Dimension	143	10.194	22.8	0.24
Gamma glutamyl-4-nitroanilide	100	4.896	16.9	0.10
DCL, gamma glut.-3-carb.-4-nitro.	82	4.901	15.1	0.10
Beckman Szasz (Extinction Coeff.)	68	5.000	13.7	0.10
Agappe - SZASZ KINETIC	52	24.881	102.5	4.42
Abbott Architect GGT 2	52	4.779	8.0	0.07
Other Dry Chemistry	28	6.695	28.8	0.46
Randox Colorimetric	5	5.000	14.1	0.40
Vitros, DT60/DT60 II/DTSC II	3	6.667	22.9	1.10

# Glucose, mg/dl

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7584	36.160	5.0	0.03	1.65	597
Glucose oxidase	3108	36.768	7.0	0.06	1.68	251
Randox RX Series	1	42.070	0.0	0.00	N/A	0

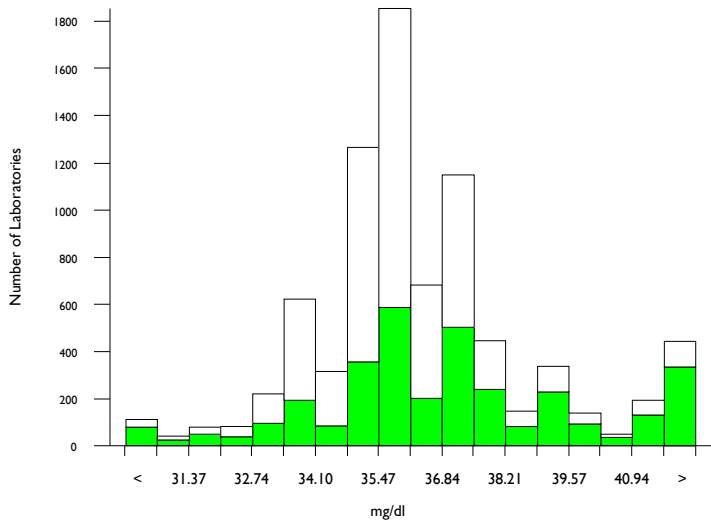
▲ Your Result	42.070	SDI	3.17
		RMSDI	Too Few
■ Mean for Comparison	36.768	TS	22
		RMTS	Too Few
		%DEV	14.4
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation: N/A

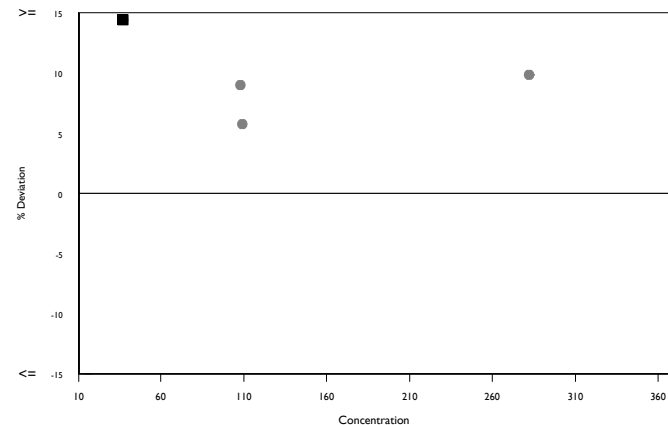
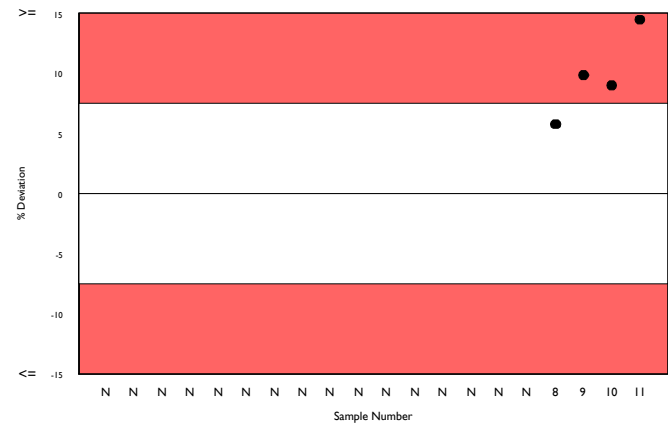
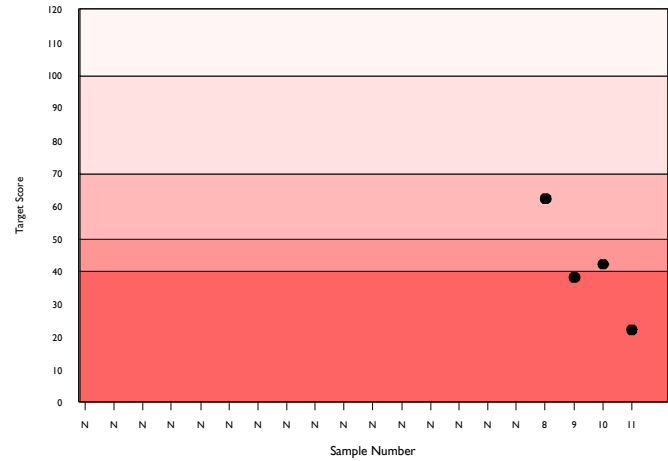
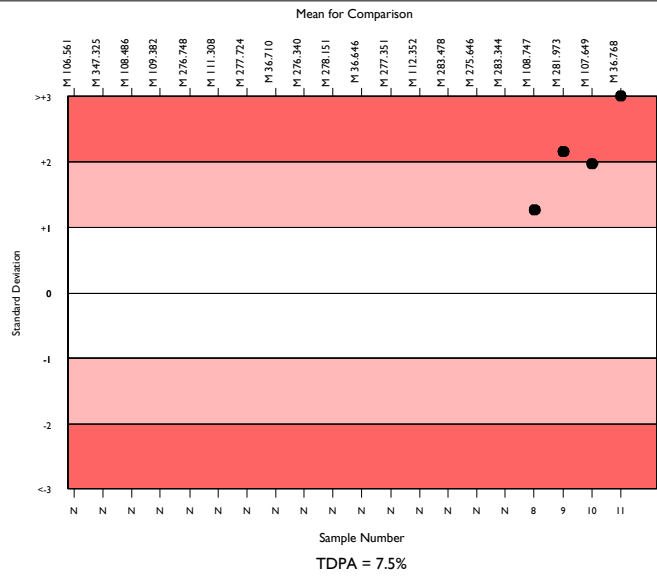
Acceptable limits of performance for RIQAS: 7.50%

SDI in bottom 5% of peer group

TS & %DEV outside limits



Method	N	Mean	CV%	U <sub>m</sub>
Hexokinase	3983	35.848	3.3	0.02
Glucose oxidase	3108	36.768	7.0	0.06
Ortho Vitros MicroSlide Systems	240	34.041	3.9	0.11
Agappe - GOD-PAP	70	38.302	7.2	0.41
Glucose dehydrogenase	68	36.021	4.5	0.24
Other Dry Chemistry	52	35.164	3.2	0.19
GOD/02-Beckman method	33	36.546	3.6	0.28
Oxygen electrode	10	36.157	3.0	0.42
Pyranose Oxidase / Peroxidase	4	37.025	8.2	1.90
Vitros, DT60/DT60 II	2	39.196	12.6	4.35



# HDL-Cholesterol, mg/dl

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	5730	55.401	25.4	0.23	5.96	239
Direct HDL, PEGME	559	53.842	34.7	0.98	5.79	15
Randox RX Series	1	41.960	0.0	0.00	N/A	0

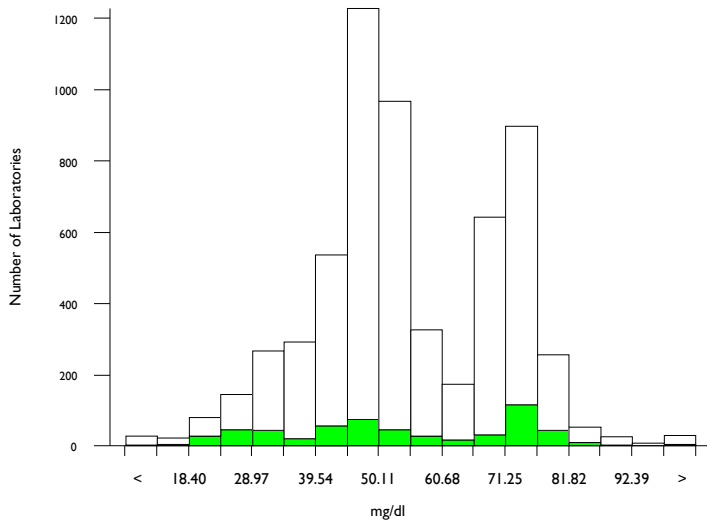
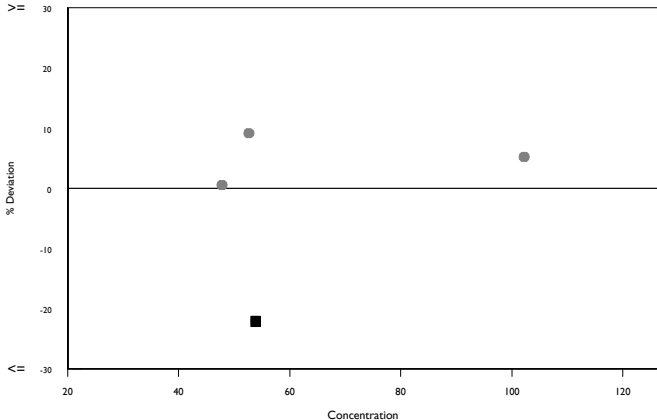
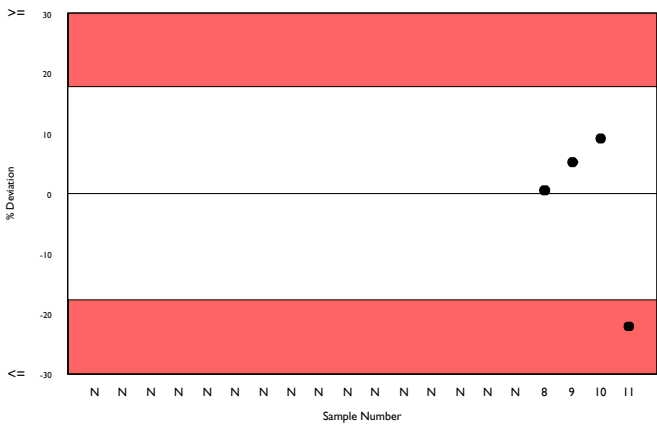
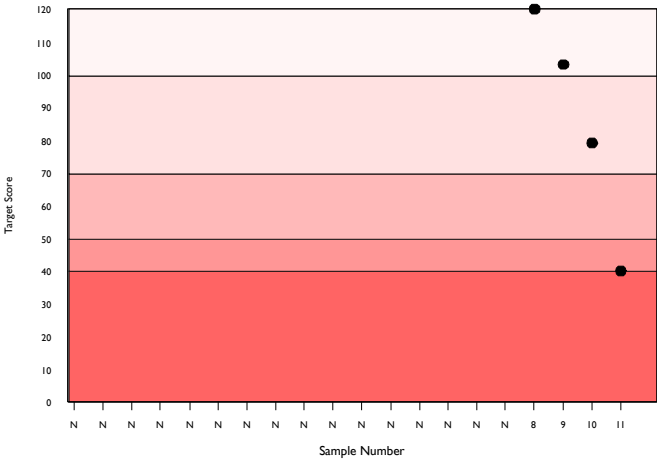
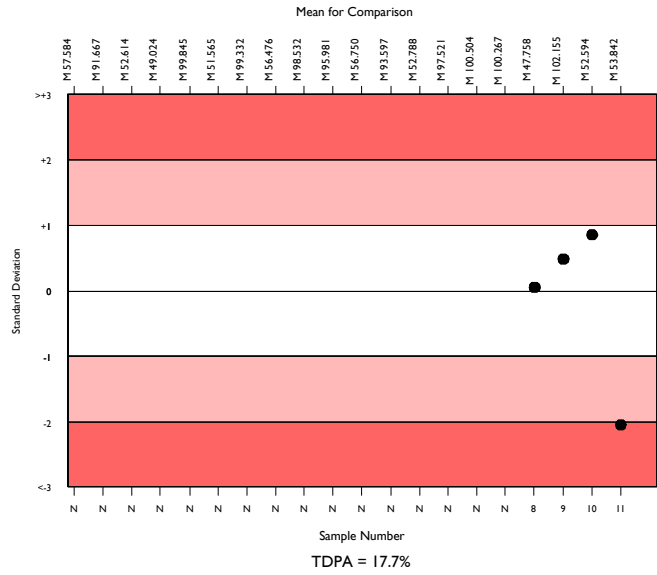
▲ Your Result	41.960	SDI RMSDI	-2.05 Too Few
■ Mean for Comparison	53.842	TS RMTS	40 Too Few
		%DEV RM%DEV	-22.1 Too Few

Acceptable limits derived from Biological Variation: N/A

Acceptable limits of performance for RIQAS: 17.70%

SDI in bottom 5% of peer group

TS & %DEV outside limits



Method	N	Mean	CV%	U <sub>m</sub>
Direct HDL, Roche 4th gen.	1428	72.219	4.7	0.11
Direct HDL, Clearance method	1120	41.733	23.1	0.36
Direct HDL, Immuno-separation	943	50.866	11.6	0.24
HDL Ultra/Accel Selective Detergent	660	48.078	6.4	0.15
Direct HDL, PEGME	559	53.842	34.7	0.98
Direct HDL, PPD	422	54.027	20.0	0.65
Vitros dHDL, PTA/MgCl2 direct precip.	173	48.386	6.3	0.29
Other Dry Chemistry	80	71.753	26.9	2.70
Agappe - SELECTIVE INHIBITION	67	58.896	11.6	1.05
Vitros, Magnetic HDL	26	47.436	6.2	0.72
Vitros 5.1 FS Microtip assay	11	47.473	1.9	0.34

# Potassium, mmol/l

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	4857	2.039	4.7	0.00	0.06	286
ISE method - indirect	3019	2.038	3.3	0.00	0.06	174
Sensa Core ST series	12	2.266	12.6	0.10	0.12a	0

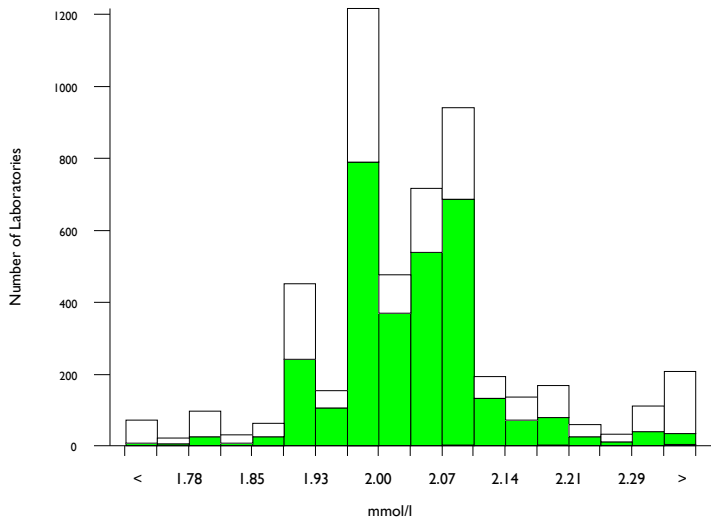
▲ Your Result	2.750	SDI RMSDI	3.89 Too Few
■ Mean for Comparison	2.266	TS RMTS	10 Too Few
		%DEV RM%DEV	21.4 Too Few

Acceptable limits derived from Biological Variation: N/A

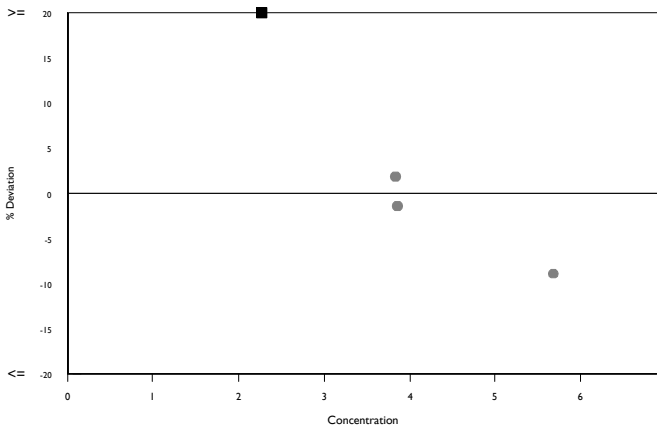
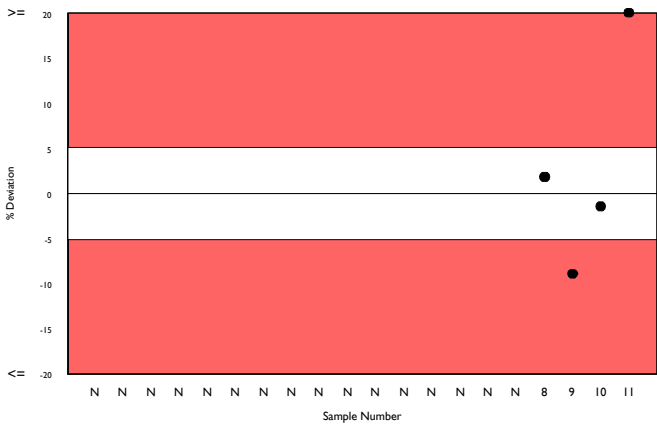
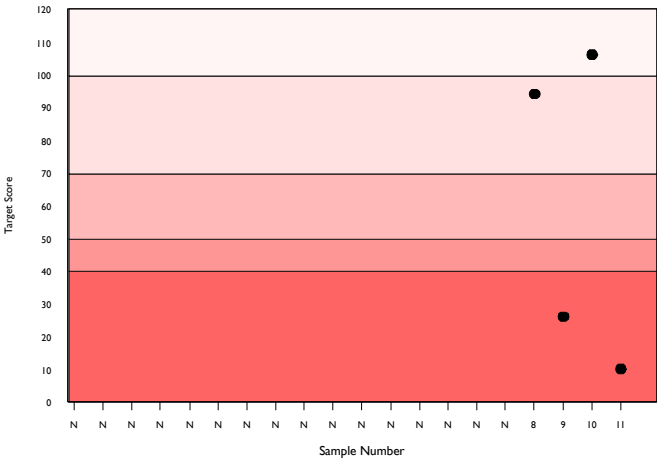
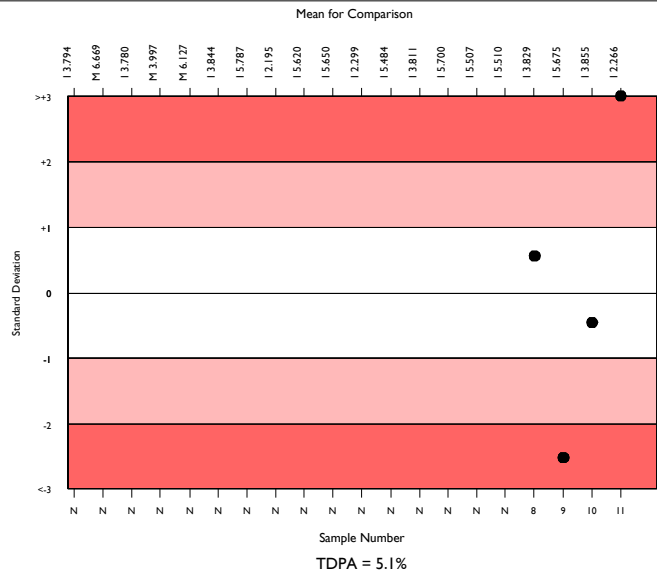
Acceptable limits of performance for RIQAS: 5.10%

SDI in bottom 5% of peer group

TS & %DEV outside limits



Method	N	Mean	CV%	U <sub>m</sub>
ISE method - indirect	3019	2.038	3.3	0.00
ISE method - direct	1465	2.047	7.0	0.00
Ortho Vitros MicroSlide Systems	190	2.023	2.5	0.00
Colorimetric	52	1.857	11.8	0.04
Other Dry Chemistry	46	1.940	2.5	0.01
Agappe - ISE DIRECT	24	5.311	32.3	0.44
Enzymatic	18	1.942	23.1	0.13
Flame photometry	9	2.004	3.6	0.03
Turbidimetric	7	2.319	27.5	0.30
Optical Fluorescence	4	2.010	1.7	0.02
Vitros, DT60/DT60 II/DTE II	4	2.150	11.1	0.15

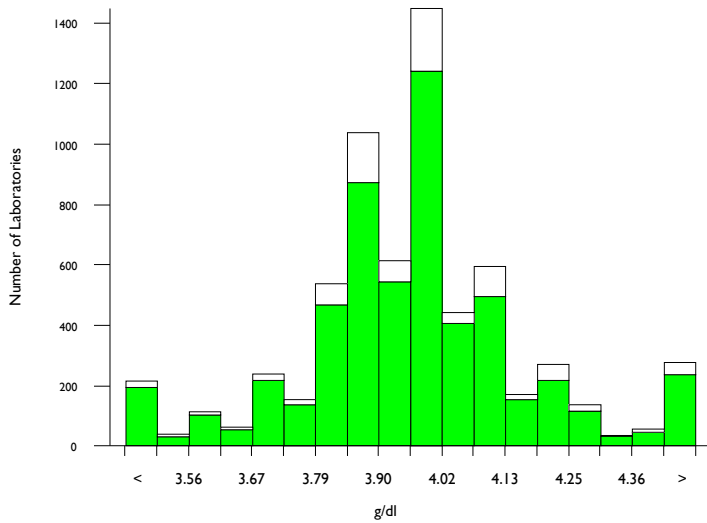


# Protein, Total, g/dl

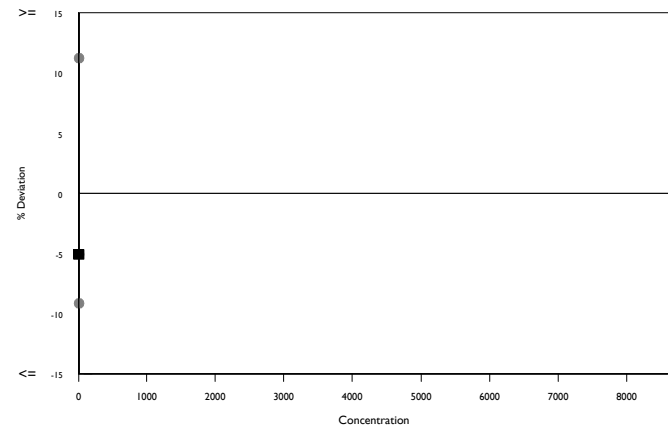
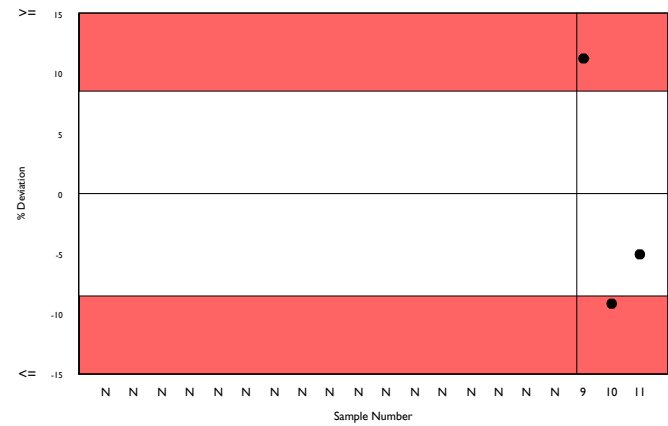
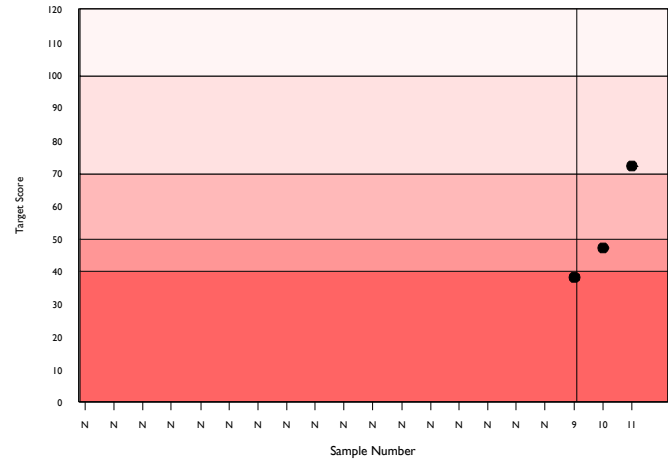
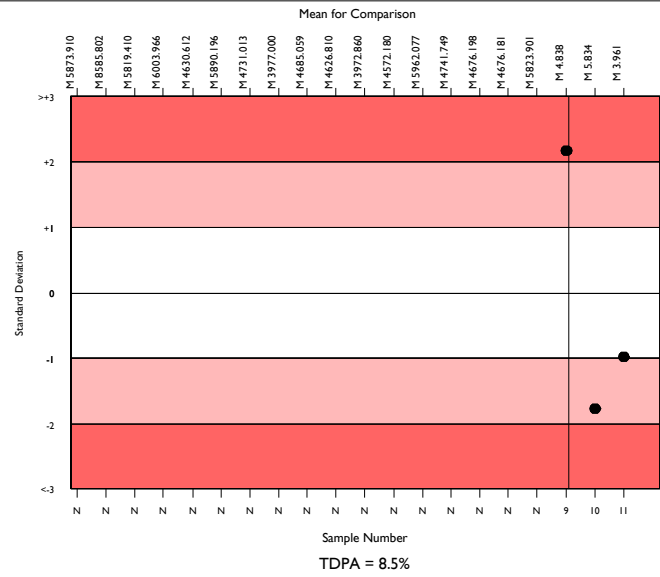
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	5946	3.965	3.9	0.00	0.20	492
Biuret reaction, end point	5158	3.961	4.0	0.00	0.20	395
Randox RX Series	2	3.865	3.8	0.13	0.24a	0

▲ Your Result	3.760	SDI RMSDI	-0.98 Too Few
■ Mean for Comparison	3.961	TS RMTS	72 Too Few
		%DEV RM%DEV	-5.1 Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Biuret reaction, end point	5158	3.961	4.0	0.00
Ortho Vitros MicroSlide Systems	226	4.050	3.1	0.01
Biuret reaction, kinetic	182	3.951	3.8	0.01
Abbott Alinity Total Protein 2	153	3.930	1.6	0.01
Agappe - BIURET	79	4.472	22.2	0.14
Abbott Architect total Protein 2	70	3.978	2.9	0.02
Biuret reaction, CX4/5/7	53	3.899	2.8	0.02
Other Dry Chemistry	52	4.025	4.3	0.03
Refractometry	4	3.923	4.0	0.10
Vitros, DT60/DT60 II	2	4.245	6.5	0.24



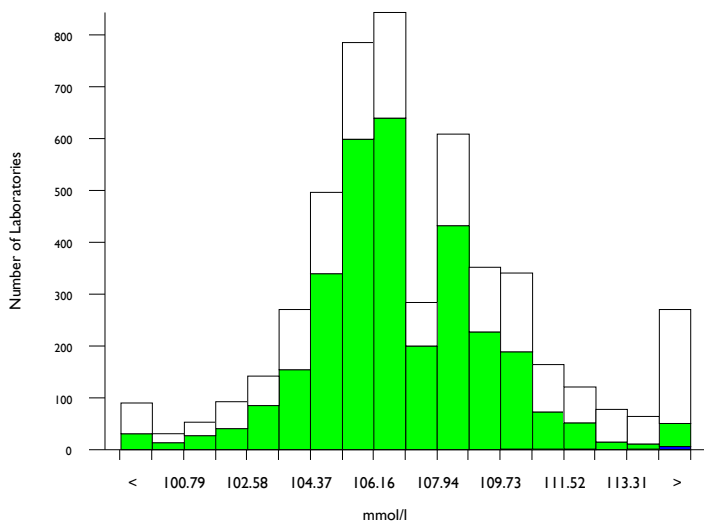


# Sodium, mmol/l

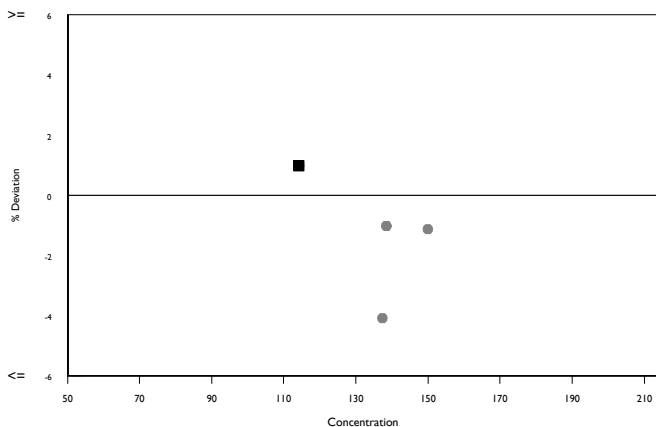
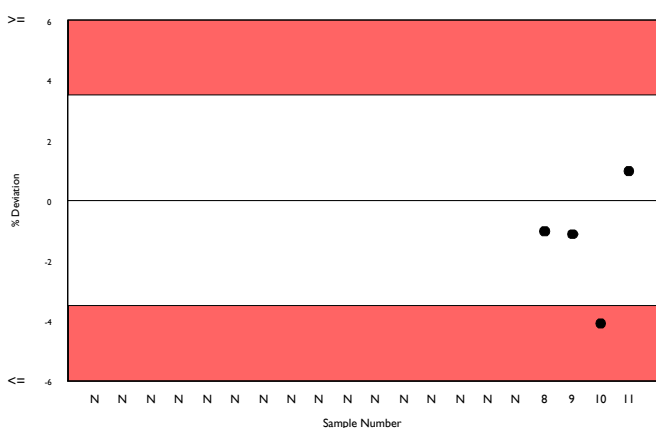
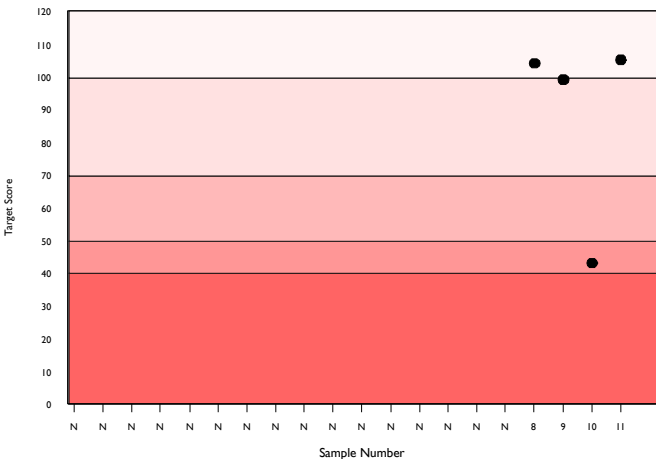
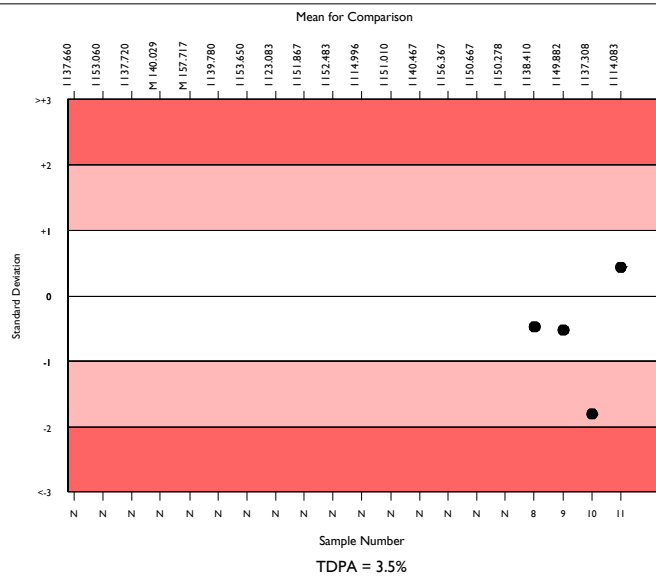
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	4645	107.055	2.2	0.04	2.28	455
ISE method - indirect	2945	106.884	1.7	0.04	2.27	245
Sensa Core ST series	12	114.083	2.2	0.90	2.59a	0

▲ Your Result	115.200	SDI	0.43
		RMSDI	Too Few
■ Mean for Comparison	114.083	TS	105
		RMTS	Too Few
		%DEV	1.0
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
ISE method - indirect	2945	106.884	1.7	0.04
ISE method - direct	1430	107.861	3.3	0.12
Ortho Vitros MicroSlide Systems	179	106.567	1.6	0.16
Other Dry Chemistry	46	109.911	1.9	0.39
Colorimetric	41	123.442	7.2	1.73
Agappe - ISE DIRECT	22	138.470	11.2	4.12
Flame photometry	11	111.700	3.8	1.61
Enzymatic	10	113.688	6.7	3.02
Vitros, DT60/DT60 II/DTE II	6	106.317	1.8	0.96
Optical Fluorescence	4	109.475	1.5	1.05



# Urea, mg/dl

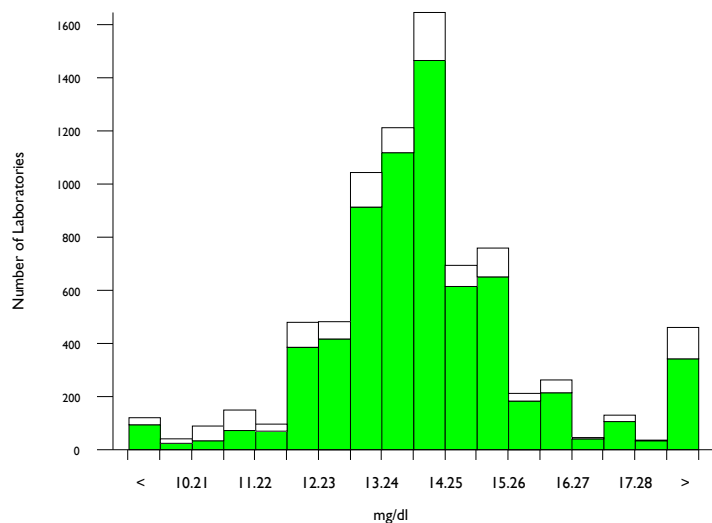
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7457	13.754	9.8	0.02	0.94	513
Urease, kinetic	6388	13.814	9.1	0.02	0.95	390
Randox RX Series	2	13.925	15.5	1.91	2.13a	0

▲ Your Result	15.450	SDI	1.72
		RMSDI	Too Few
■ Mean for Comparison	13.814	TS	48
		RMTS	Too Few
		%DEV	11.8
		RM%DEV	Too Few

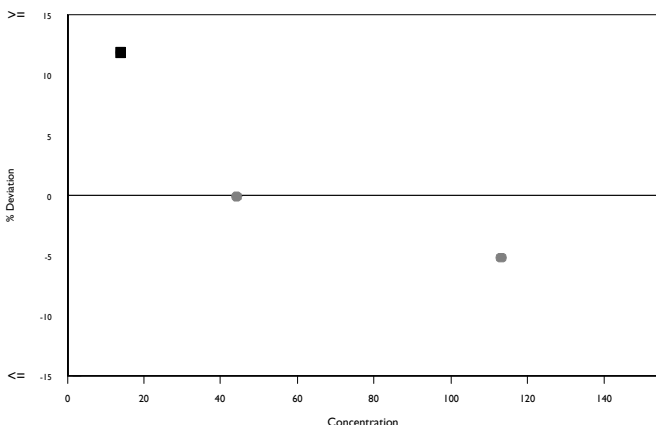
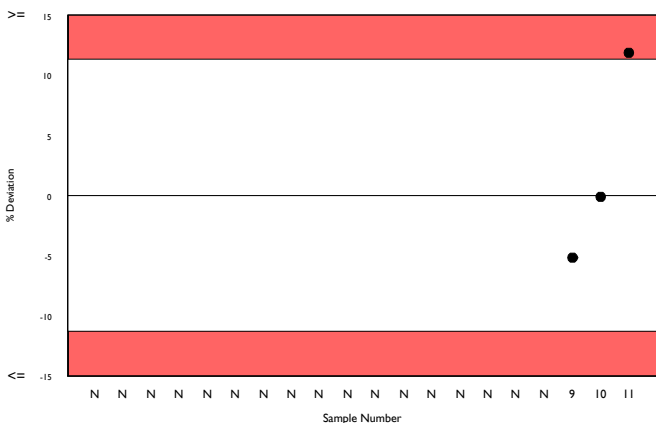
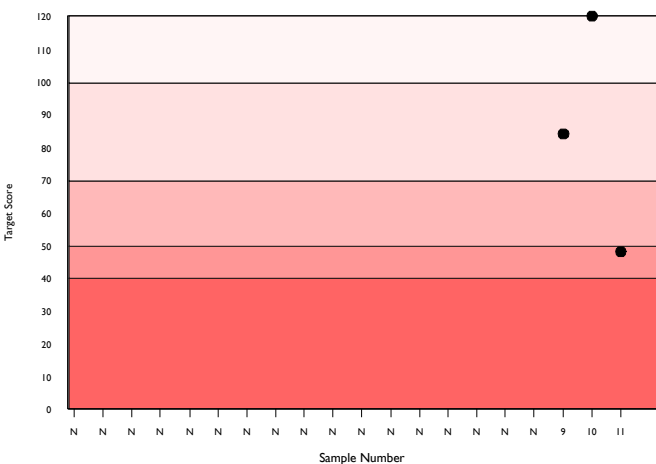
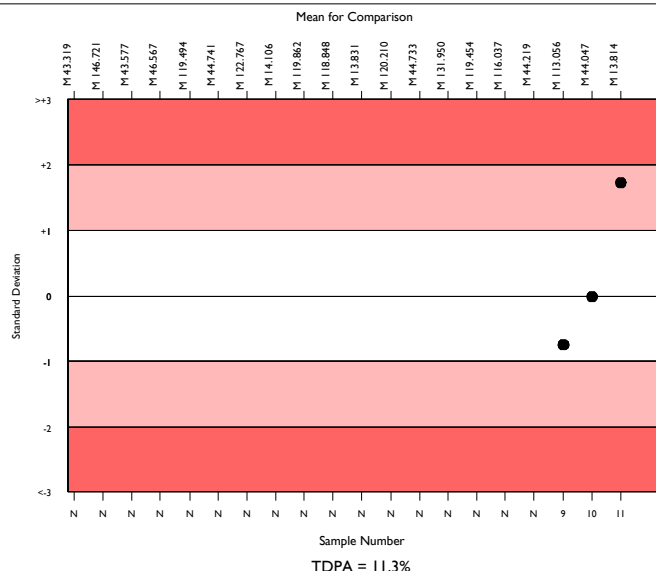
Acceptable limits derived from Biological Variation: N/A

Acceptable limits of performance for RIQAS: 11.30%

TS & %DEV outside limits



Method	N	Mean	CV%	U <sub>m</sub>
Urease, kinetic	6388	13.814	9.1	0.02
Urease, end point	423	14.010	10.6	0.09
Ortho Vitros MicroSlide Systems	238	11.332	7.5	0.07
Urease, hypochlorite	94	14.774	10.7	0.20
Abbott Architect Urea Nitrogen 2	101	14.018	7.5	0.13
Agappe - UREASE GLDH	64	16.514	44.4	1.15
Other Dry Chemistry	71	13.201	5.2	0.10
Beckman - Conductivity	38	14.104	4.6	0.13
Agappe - BERTHELOT	8	13.742	9.8	0.59
O-Phthalaldehyde	6	13.393	14.7	1.00
Diacetyl monoxime	5	13.535	7.6	0.58
Vitros DT60/DT60 II	2	12.410	2.7	0.30



Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2169.627	1.920	<b>-19.80</b>	Too Few	<b>-99.9</b>	Too Few	<b>10</b>	Too Few	▲
Alkaline Phosphatase	18.721	14.870	<b>-2.06</b>	Too Few	<b>-20.6</b>	Too Few	<b>40</b>	Too Few	▲
ALT (GPT)	12.549	13.180	0.61	Too Few	5.0	Too Few	93	Too Few	
AST (GOT)	15.315	15.030	-0.21	Too Few	-1.9	Too Few	120	Too Few	
Bilirubin, Direct	0.381	0.400	0.37	Too Few	5.0	Too Few	114	Too Few	
Bilirubin, Total	0.885	1.030	1.91	Too Few	<b>16.4</b>	Too Few	<b>43</b>	Too Few	
Calcium	6.010	7.320	<b>4.54</b>	Too Few	<b>21.8</b>	Too Few	<b>10</b>	Too Few	▲
Chloride	86.292	89.800	1.44	Too Few	4.1	Too Few	52	Too Few	
Cholesterol	1.170	93.790	<b>1649.40</b>	Too Few	<b>999.0</b>	Too Few	<b>10</b>	Too Few	▲
Creatinine	0.800	0.750	-0.88	Too Few	-6.2	Too Few	77	Too Few	
GGT	5.067	10.170	<b>11.12</b>	Too Few	<b>100.7</b>	Too Few	<b>10</b>	Too Few	▲
Glucose	36.768	42.070	<b>3.17</b>	Too Few	<b>14.4</b>	Too Few	<b>22</b>	Too Few	▲
HDL-Cholesterol	53.842	41.960	<b>-2.05</b>	Too Few	<b>-22.1</b>	Too Few	<b>40</b>	Too Few	▲
Potassium	2.266	2.750	<b>3.89</b>	Too Few	<b>21.4</b>	Too Few	<b>10</b>	Too Few	▲
Protein, Total	3.961	3.760	-0.98	Too Few	-5.1	Too Few	72	Too Few	
Sodium	114.083	115.200	0.43	Too Few	1.0	Too Few	105	Too Few	
Urea	13.814	15.450	1.72	Too Few	<b>11.8</b>	Too Few	<b>48</b>	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

END OF REPORT