

Laboratorio Emotest s.r.l.

# MONTHLY IMMUNOASSAY

CYCLE 21 SAMPLE 10

## 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: 01/11/2023

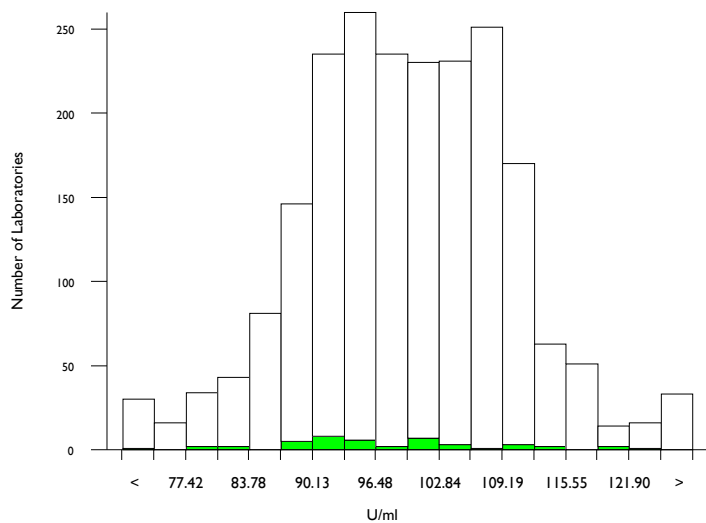
Randox Laboratories Limited  
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# AFP, U/ml

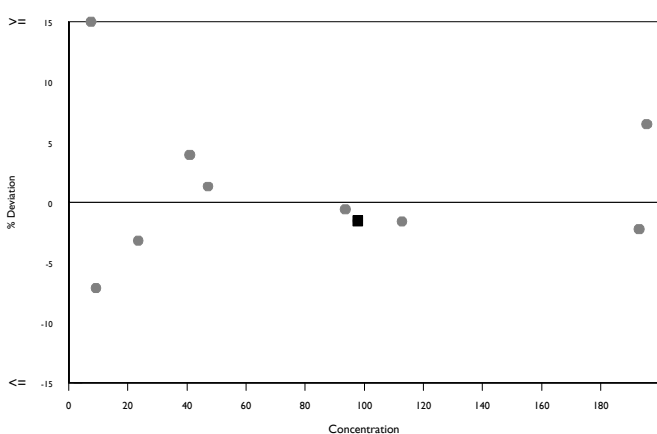
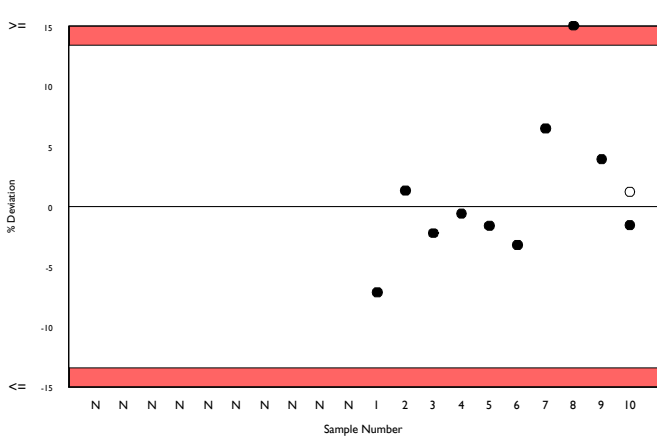
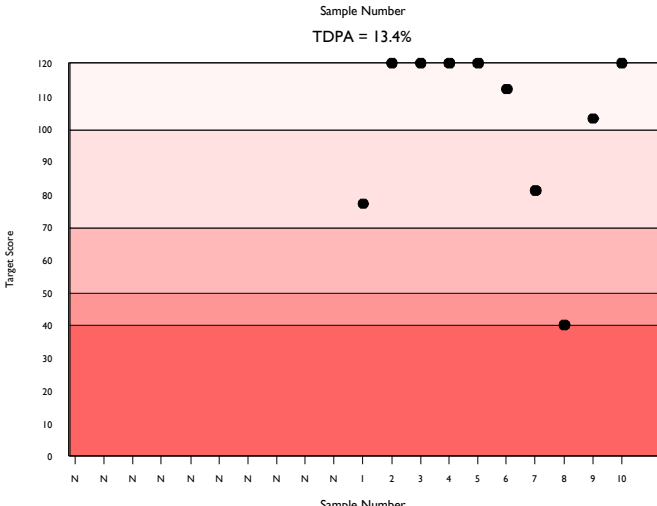
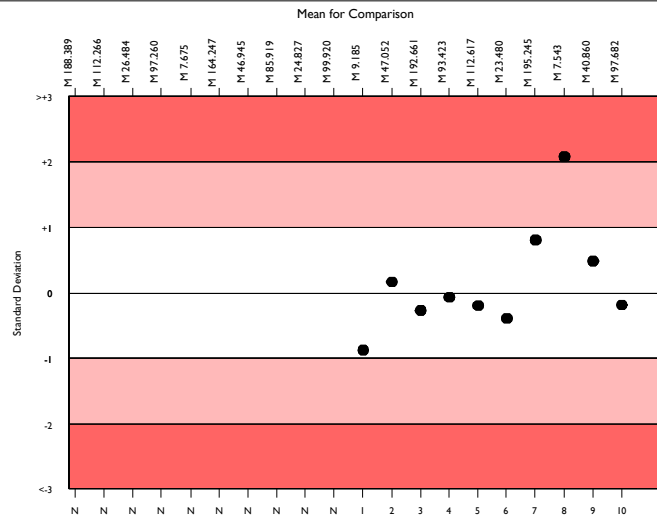
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2009	99.667	8.5	0.24	8.12	131
bioMerieux, Vidas/Mini Vidas	43	97.682	10.6	1.97	7.96	2

▲ Your Result	96.180	SDI	-0.19
		RMSDI	0.15
■ Mean for Comparison	97.682	TS	120
		RMTS	101
		%DEV	-1.5
		RM%DEV	1.2

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	13.40%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	310	104.375	5.2	0.39
Roche Cobas 4000/e411	232	105.545	7.2	0.62
Abbott Architect	210	94.475	3.6	0.29
Roche Cobas e402/e801	205	106.914	3.9	0.36
Abbott Alinity i	199	94.332	3.6	0.30
Beckman Dxl 600/800	153	88.008	6.2	0.55
Beckman Access/LXi725	90	90.852	6.9	0.82
Siemens Atellica IM	90	105.633	3.6	0.51
Ortho Vitros 3600/5600/ECi/ XT 7600	61	96.521	8.0	1.23
Siemens Centaur XP/XPT	57	104.731	6.5	1.12
SNIBE Maglumi analysers	47	96.016	9.6	1.68
bioMerieux, Vidas/Mini Vidas	43	97.682	10.6	1.97
Mindray CL 8000i/6000i/2000i/1200i/1000i	39	98.014	3.7	0.72
Siemens/DPC Immulite 2000/2500	37	95.884	6.4	1.26
Tosoh AIA Series	30	93.219	6.0	1.27
Roche Elecsys	25	104.637	8.4	2.19
DiaSorin Liaison XL	20	100.515	7.1	2.00
Siemens Centaur CP	11	107.038	4.8	1.93
Immunotech IRMA	9	101.373	5.9	2.49
Sysmex HISCL Series	8	102.708	2.8	1.27
Siemens/DPC Immulite 1000	7	112.747	11.3	6.03

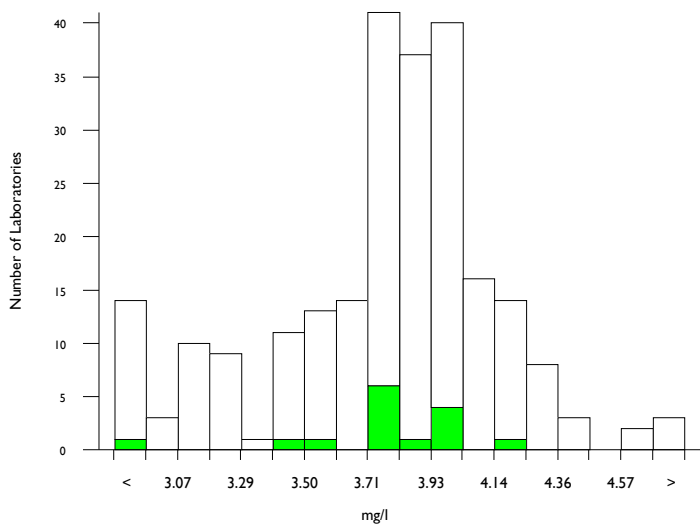


# Beta-2-Microglobulin, mg/l

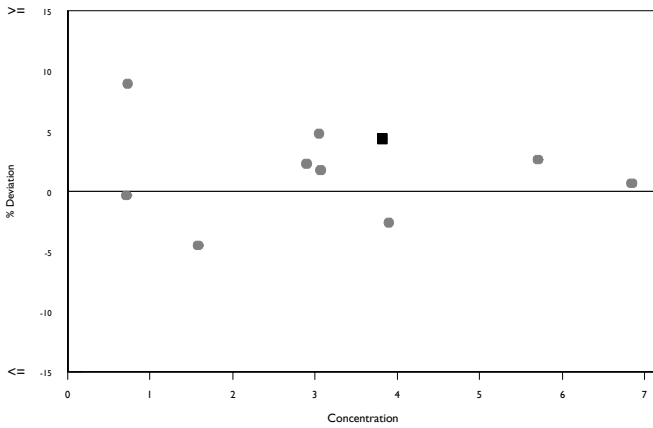
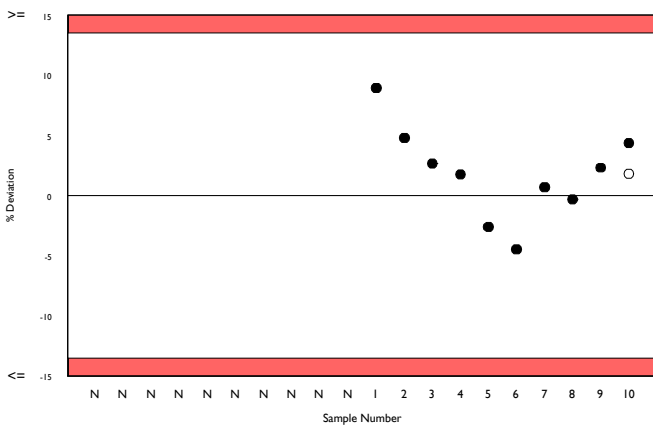
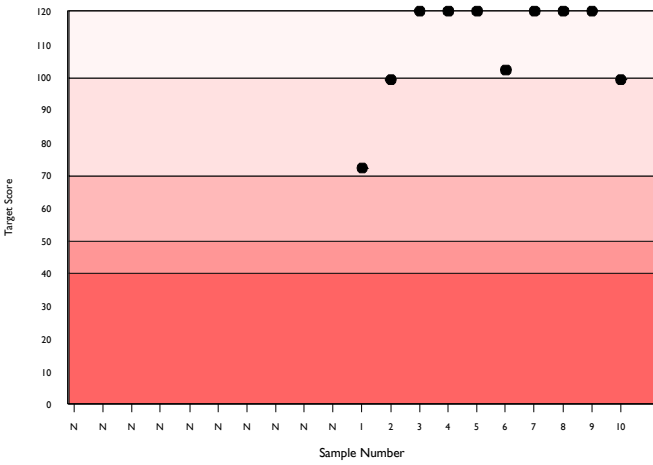
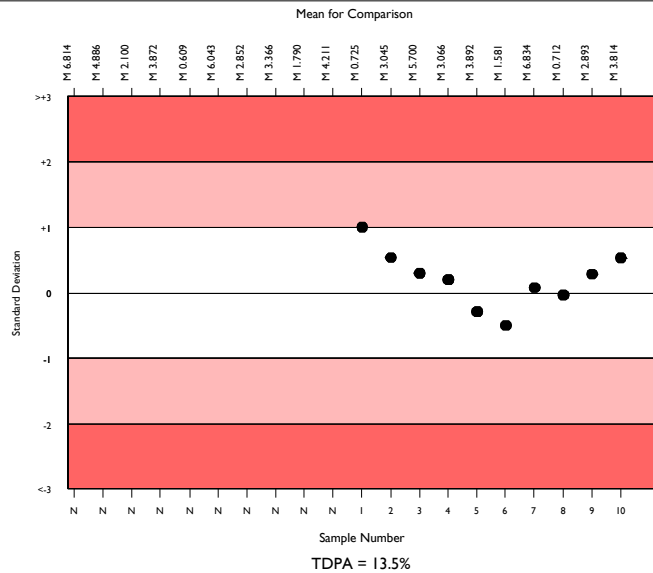
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	215	3.827	7.5	0.02	0.31	34
Abbott Architect	13	3.814	4.3	0.06	0.31	2

▲ Your Result	3.980	SDI	0.53
		RMSDI	0.21
■ Mean for Comparison	3.814	TS	99
		RMTS	109
		%DEV	4.3
		RM%DEV	1.8

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	45	3.906	3.2	0.02
Siemens/DPC Immulite 2000/2500	28	3.314	9.9	0.08
bioMerieux, VIDAS	16	3.963	7.0	0.09
Abbott Alinity	22	3.922	2.6	0.03
SNIBE Maglumi analysers	16	3.490	14.7	0.16
Abbott Architect	13	3.814	4.3	0.06
Siemens Atellica CH	13	4.182	2.6	0.04
Beckman AU Instruments	8	3.659	10.2	0.16
DiaSorin Liaison XL	8	3.424	14.2	0.21
Tosoh AIA Series	8	4.086	8.9	0.16
Siemens/Behring Nephelometer	6	3.830	8.2	0.16
Tosoh AIA-CL Series	5	3.757	1.3	0.03
DiaSorin Liaison	6	3.527	4.7	0.08
Binding Site Optilite	4	4.019	2.3	0.06
Roche Cobas 4000/c31 I	4	4.048	10.6	0.27
BioSystems Latex	3	4.040	5.1	0.15
Roche Elecsys	3	3.667	3.9	0.10
Roche Tinaquant	2	3.800	1.1	0.04
Siemens Advia I200/I650/I800/2400	2	3.985	8.3	0.29
Siemens/DPC Immulite 1000	2	4.036	4.2	0.15
Randox B2M kit	2	3.900	0.7	0.02

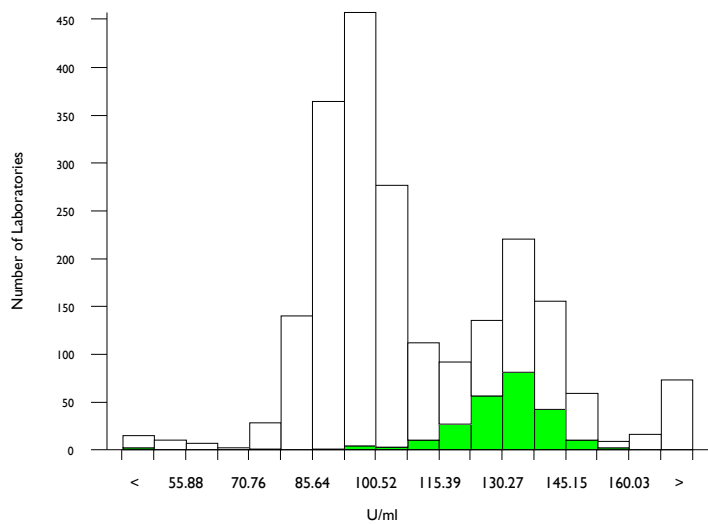


# CA 125, U/ml

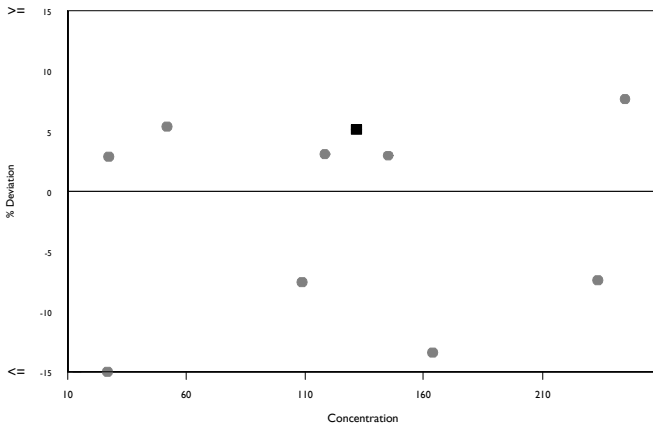
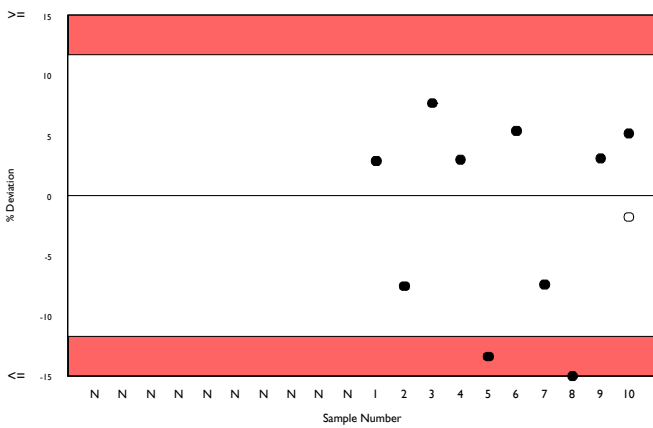
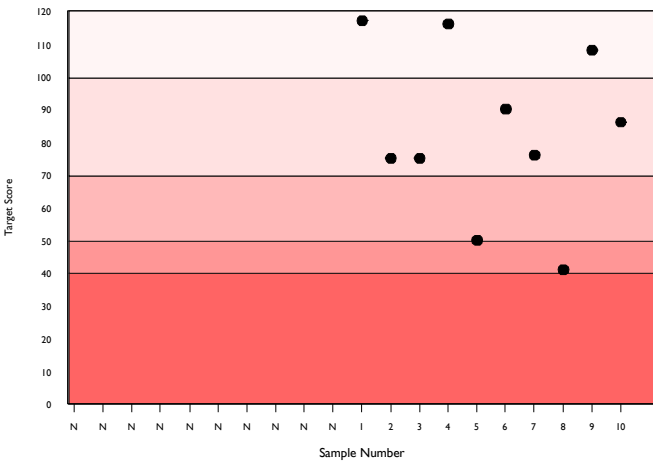
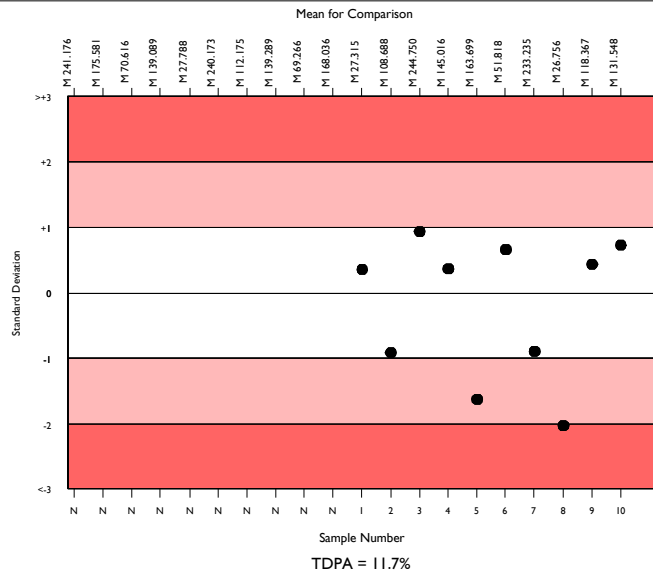
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2044	107.960	18.4	0.55	7.68	128
Abbott Architect	221	131.548	6.1	0.67	9.36	18

▲ Your Result	138.300	SDI	0.72
		RMSDI	-0.20
■ Mean for Comparison	131.548	TS	86
		RMTS	83
		%DEV	5.1
		RM%DEV	-1.8

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	318	97.616	4.5	0.31
Roche Cobas 4000/e41 I	248	98.960	7.2	0.57
Abbott Architect	221	131.548	6.1	0.67
Abbott Alinity	207	138.426	4.6	0.56
Roche Cobas e402/e801	200	90.207	4.0	0.32
Beckman Dxl 600/800	134	87.205	5.6	0.53
Siemens Atellica IM	89	133.632	4.6	0.81
Beckman Access/LXi725	82	90.210	5.5	0.69
bioMerieux, VIDAS	76	107.596	5.2	0.80
Ortho Vitros 3600/5600/ECi/XT 7600	66	104.315	2.8	0.45
SNIBE Maglumi analysers	57	91.007	5.6	0.85
Mindray CL 8000i/6000i/2000i/1200i/1000i	37	173.092	4.8	1.69
Centaur XP/XPT CA125 II Kit	38	121.145	5.5	1.36
Tosoh AIA Series	29	191.779	5.1	2.26
Siemens/DPC Immulite 2000/2500	32	93.056	8.6	1.77
Roche Elecsys	22	97.210	7.2	1.87
DiaSorin Liaison XL	23	133.143	6.8	2.36
Siemens Centaur XP/XPT OV Kit	18	122.583	4.7	1.71
Siemens Centaur CP CA125 II Kit	14	121.518	12.7	5.15
Mindray CL 900i	10	173.050	4.9	3.35
Tosoh AIA-CL Series	9	135.956	4.6	2.58

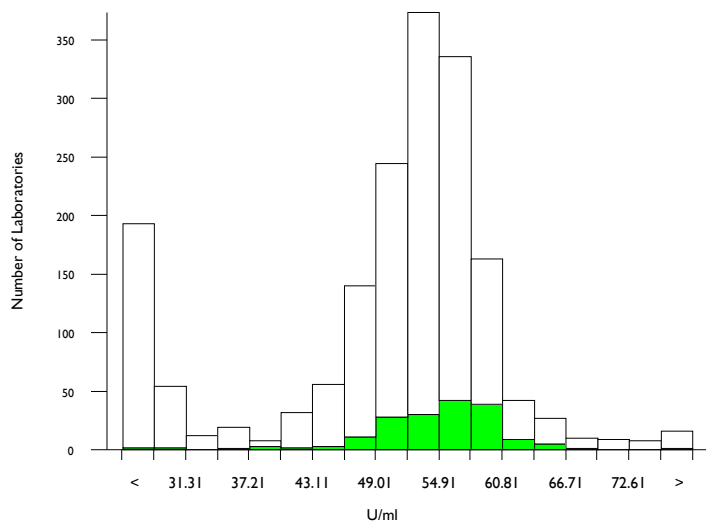


# CA 15-3, U/ml

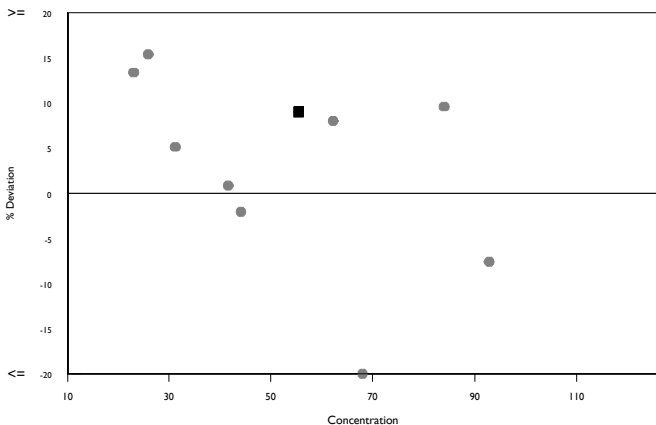
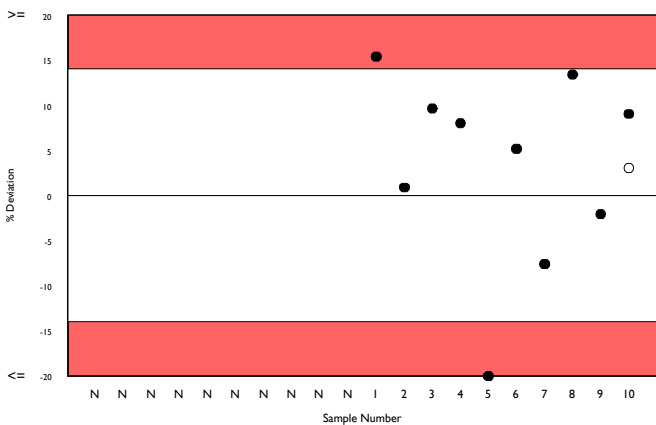
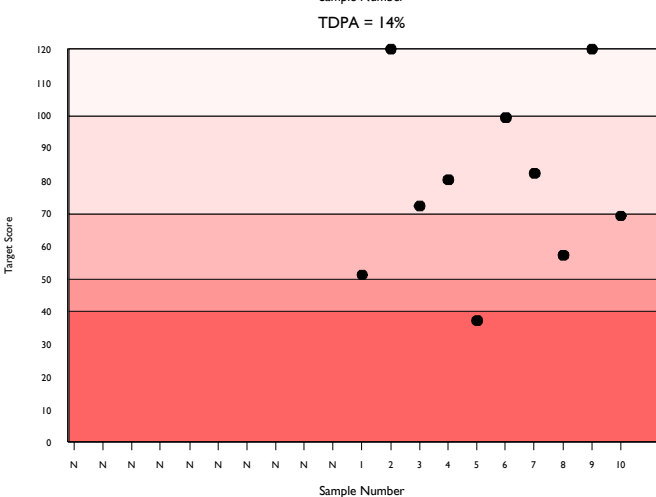
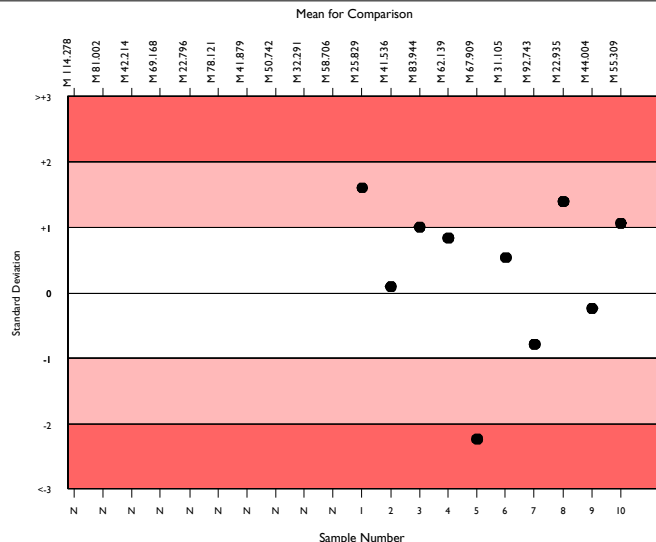
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1553	51.965	15.1	0.25	4.42	188
Abbott Architect	163	55.309	7.5	0.41	4.71	16

▲ Your Result	60.300	SDI	1.06
		RMSDI	0.32
■ Mean for Comparison	55.309	TS	69
		RMTS	78
		%DEV	9.0
		RM%DEV	3.0

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.00%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	271	54.924	6.3	0.26
Roche Cobas 4000/e41 I	207	53.430	7.4	0.34
Roche Cobas e402/e801	177	52.737	4.4	0.22
Abbott Architect	163	55.309	7.5	0.41
Abbott Alinity i	161	54.871	5.4	0.29
Beckman Dxl 600/800	113	25.894	6.3	0.19
Siemens Atellica IM	78	53.758	4.7	0.36
Beckman Access/LXi725	66	26.624	5.9	0.24
BioMerieux VIDAS	53	48.868	4.6	0.38
Siemens Centaur XP/XPT	45	50.678	6.8	0.64
SNIBE Maglumi analysers	45	71.450	10.5	1.40
Ortho Vitros 3600/5600/ECi/XT 7600	38	44.717	5.8	0.52
Mindray CL 8000i/6000i/2000i/1200i/1000i	27	29.413	3.8	0.27
Siemens/DPC Immulite 2000/2500	28	56.146	7.8	1.04
Tosoh AIA Series	23	54.839	12.0	1.72
Roche Elecsys	19	53.624	4.9	0.75
DiaSorin Liaison XL	13	51.804	8.8	1.59
Tosoh AIA-CL Series	9	48.600	4.9	1.00
Immunotech IRMA	7	55.214	11.6	3.02
Mindray CL 900i	8	30.546	6.0	0.82
Siemens Centaur CP	5	49.320	4.8	1.33

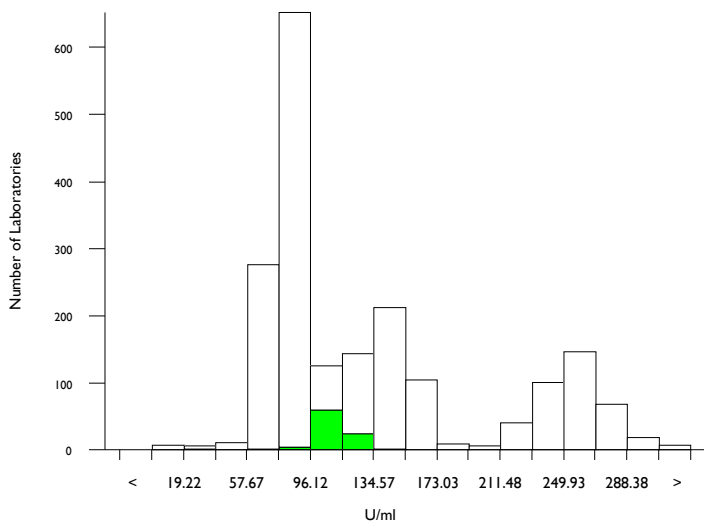


# CA I9-9, U/ml

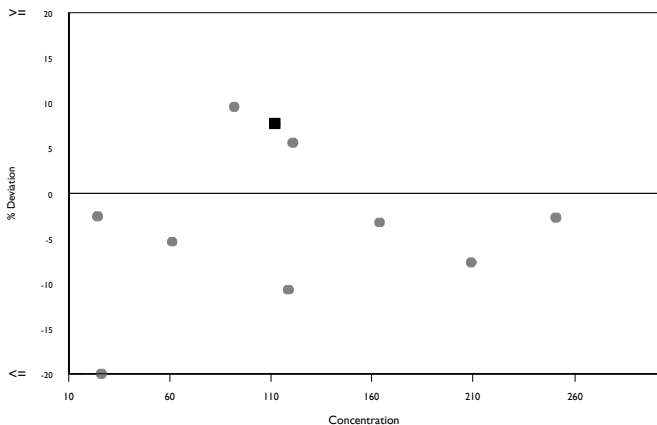
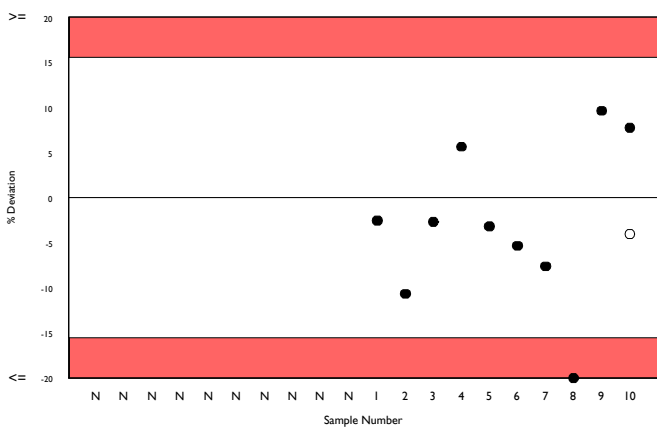
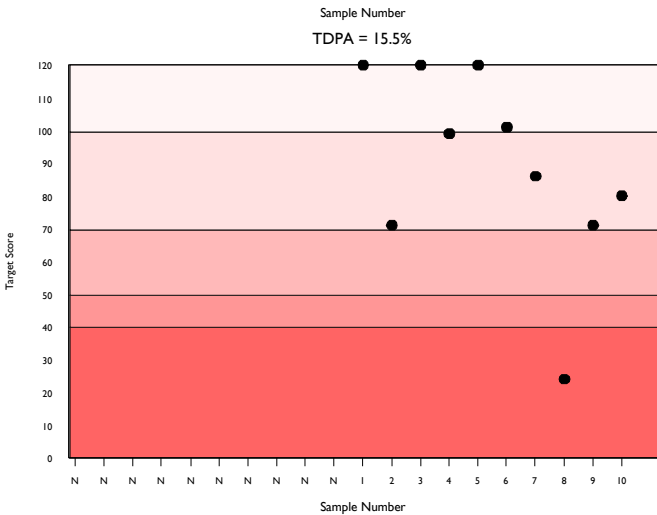
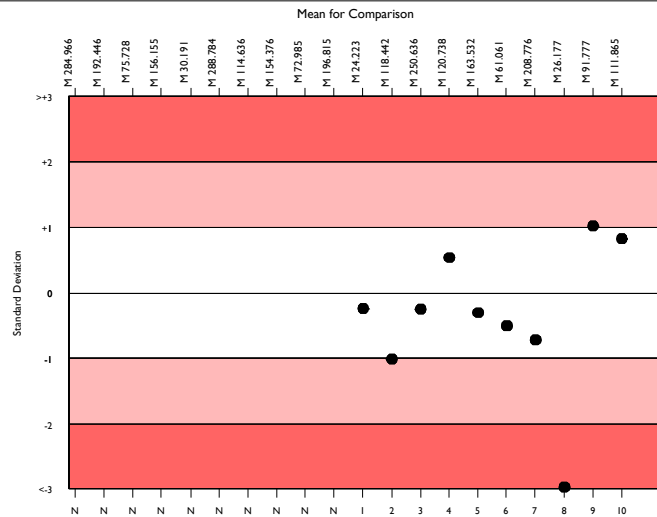
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1835	123.765	49.5	1.79	11.66	98
bioMerieux, VIDAS	79	111.865	4.6	0.73	10.54	11

▲ Your Result	120.500	SDI	0.82
		RMSDI	-0.37
■ Mean for Comparison	111.865	TS	80
		RMTS	89
		%DEV	7.7
		RM%DEV	-4.1

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.50%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	305	79.923	5.4	0.31
Roche Cobas 4000/e41 I	210	81.965	7.8	0.55
Roche Cobas e402/e801	188	83.388	4.0	0.30
Abbott Architect XR	180	253.311	7.7	1.83
Abbott Alinity XR	178	256.627	5.4	1.31
Beckman Dxl 600/800	127	141.314	6.1	0.96
Siemens Atellica IM	84	140.282	7.2	1.37
bioMerieux, VIDAS	79	111.865	4.6	0.73
Beckman Access/LXi725	63	154.946	7.2	1.75
Ortho Vitros 3600/5600/ECi/XT 7600	62	157.946	4.5	1.14
Siemens Centaur XP/XPT	51	121.085	7.8	1.66
SNIBE Maglumi analysers	45	70.435	8.9	1.17
Tosoh AIA Series	32	73.888	8.5	1.39
Mindray CL 8000i/6000i/2000i/1200i/1000i	31	73.541	7.0	1.15
Siemens/DPC Immulite 2000/2500	28	121.436	14.2	4.06
Roche Elecsys	21	83.261	7.8	1.77
DiaSorin Liaison XL	16	92.230	17.2	4.97
Siemens Centaur CP	11	124.665	9.9	4.64
Tosoh AIA-CL Series	7	107.171	2.5	1.26
Mindray CL 900i	6	71.383	3.0	1.08
Immunotech IRMA	6	70.270	10.3	3.68

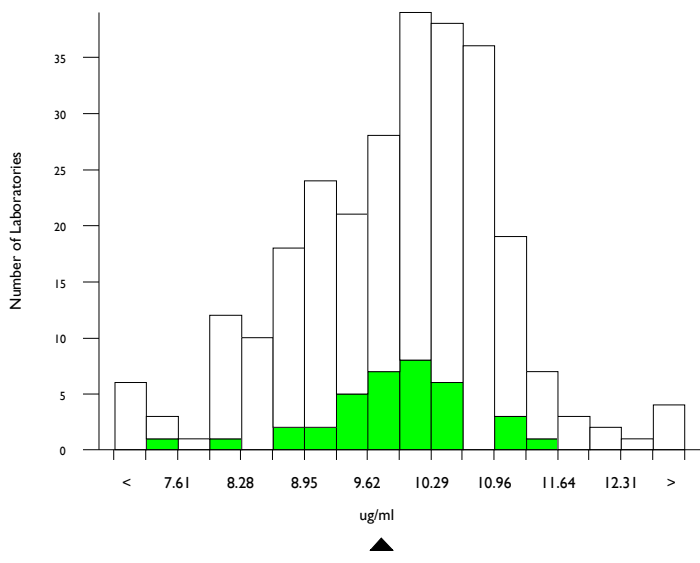


# Carbamazepine, ug/ml

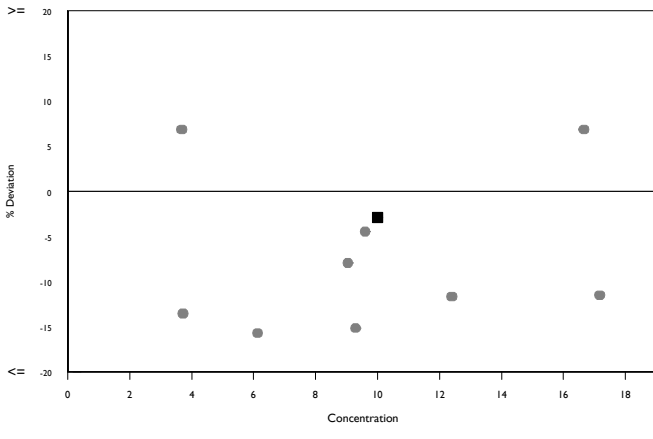
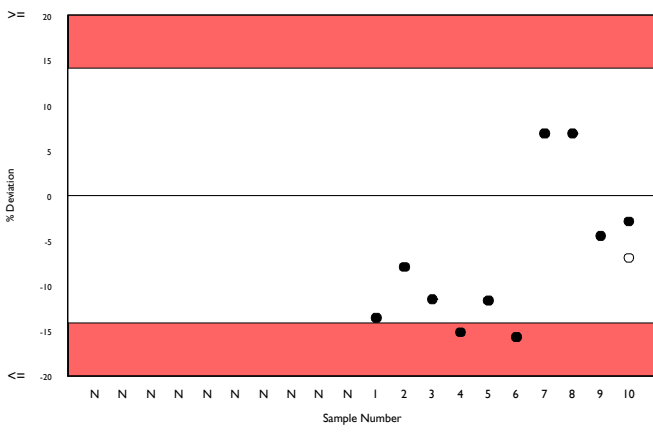
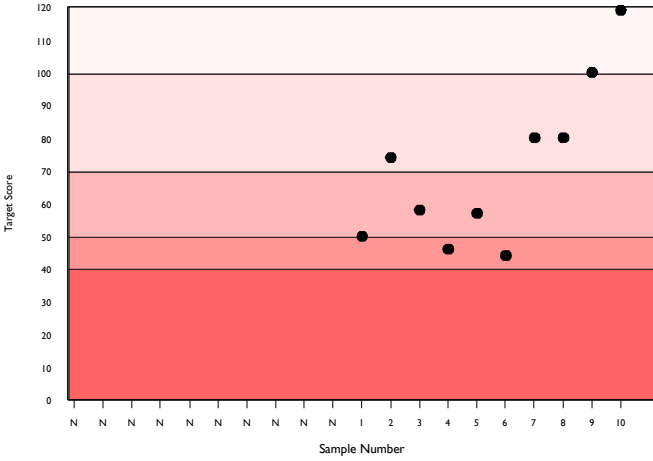
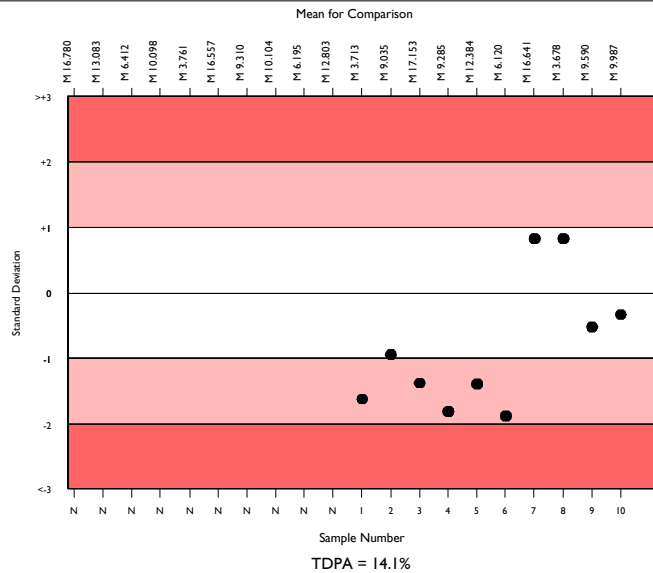
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	255	9.962	9.0	0.07	0.85	18
Abbott Architect (CMIA)	32	9.987	5.7	0.13	0.86	4

▲ Your Result	9.700	SDI	-0.34
		RMSDI	-0.83
■ Mean for Comparison	9.987	TS	119
		RMTS	70
		%DEV	-2.9
		RM%DEV	-6.9

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	69	10.664	4.0	0.06
Abbott Alinity (PETINA)	33	8.847	4.9	0.09
Abbott Architect (CMIA)	32	9.987	5.7	0.13
Beckman AU Instruments	21	10.206	5.2	0.14
Roche Integra	18	10.465	4.1	0.13
Siemens/DPC Immulite 2000/2500	12	8.484	5.0	0.15
Siemens Atellica CH	12	9.725	2.2	0.08
Siemens Centaur XP/XPT	8	10.800	9.0	0.43
Abbott Alinity (CMIA)	5	8.867	1.4	0.07
Abbott Architect (PETINIA)	6	8.775	3.9	0.18
EMIT	7	10.246	4.4	0.21
Beckman DxC	4	10.008	6.2	0.39
Siemens ADVIA 1200/1650/1800/2400	3	9.990	10.0	0.72
Siemens Dimension	3	8.937	1.8	0.11
Roche Cobas 4000/c31 I	3	9.900	4.6	0.33
Vitros	3	10.967	24.5	1.94
Siemens Syva/Emit	2	10.875	10.8	1.03
Siemens Centaur CP	2	10.965	0.8	0.08
GC/MS	2	12.900	1.1	0.12

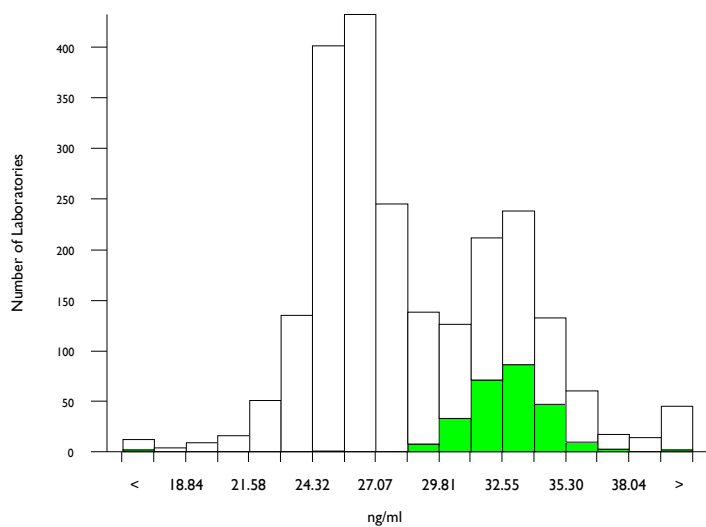


# CEA, ng/ml

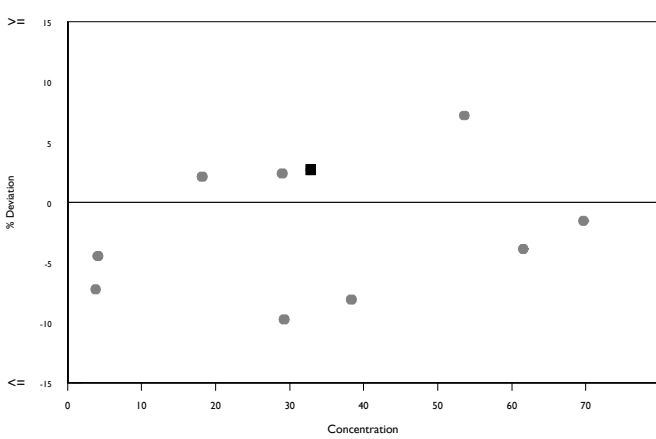
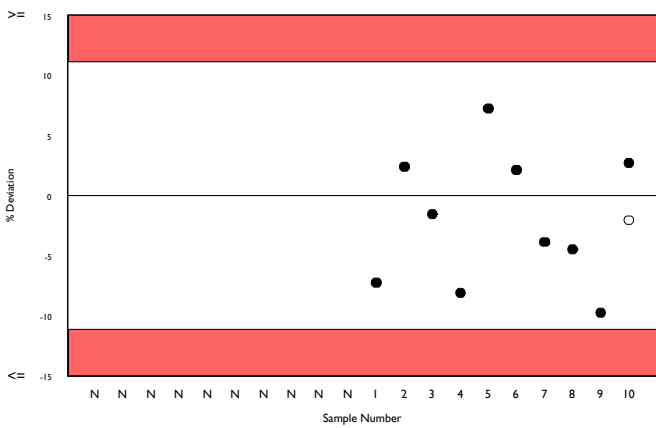
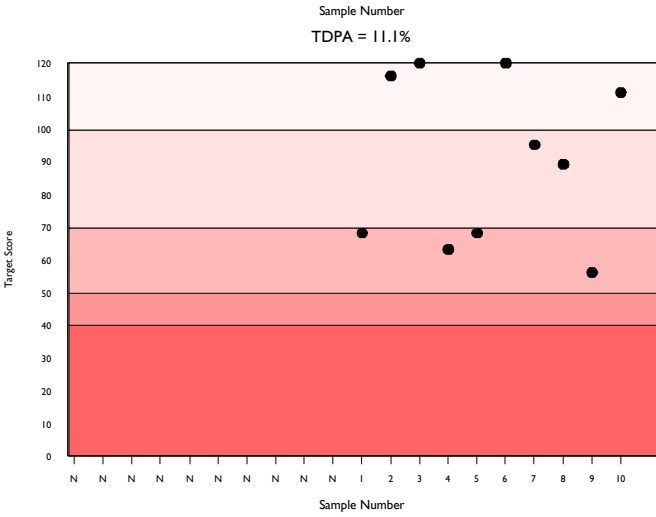
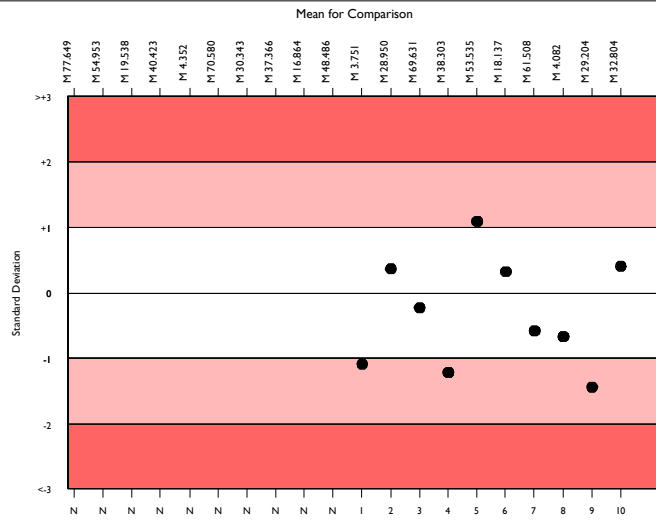
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2183	28.444	12.9	0.10	1.92	103
Abbott Architect	242	32.804	4.1	0.11	2.21	21

▲ Your Result	33.690	SDI	0.40
		RMSDI	-0.31
■ Mean for Comparison	32.804	TS	111
		RMTS	90
		%DEV	2.7
		RM%DEV	-2.1

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.10%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	323	25.423	3.8	0.07
Roche Cobas 4000/e411	246	25.934	5.3	0.11
Abbott Architect	242	32.804	4.1	0.11
Abbott Alinity i	230	32.715	3.5	0.10
Roche Cobas e402/e801	214	25.610	3.1	0.07
Beckman Dxl 600/800	149	26.910	4.8	0.13
Siemens Atellica IM	93	33.019	4.4	0.19
Beckman Access/LXi725	88	28.527	4.9	0.18
Ortho Vitros 3600/5600/ECi/XT 7600	74	27.320	3.1	0.12
bioMerieux, VIDAS	64	28.998	5.9	0.27
Siemens Centaur XP/XPT	62	33.182	5.9	0.31
SNIBE Maglumi analysers	56	28.197	7.4	0.35
Mindray CL 8000i/6000i/2000i/1200i/1000i	40	22.818	5.7	0.26
Tosoh AIA Series	35	37.140	7.2	0.57
Siemens/DPC Immulite 2000/2500	30	39.640	5.9	0.53
Roche Elecsys	28	25.401	4.4	0.26
DiaSorin Liaison XL	22	27.055	7.5	0.54
Siemens Centaur CP	16	33.729	8.9	0.94
Immunotech IRMA	12	25.734	2.6	0.25
Tosoh AIA-CL Series	8	33.100	4.9	0.72
Boditech Med Inc i-CHROMA	8	32.384	23.0	3.29



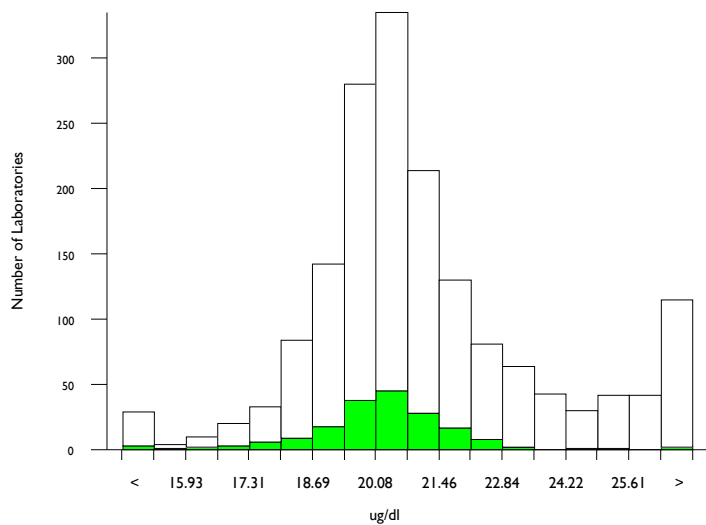


# Cortisol, ug/dl

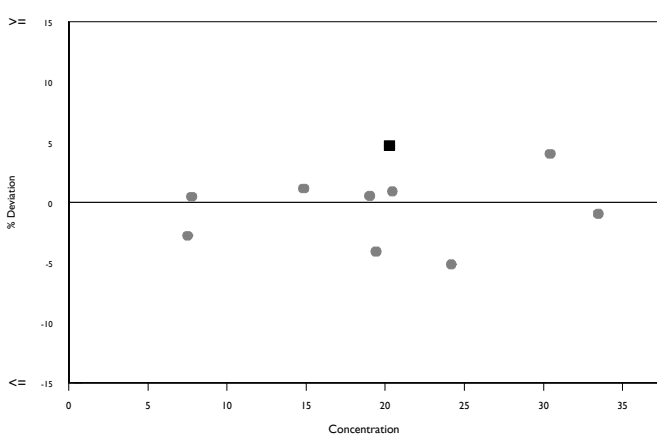
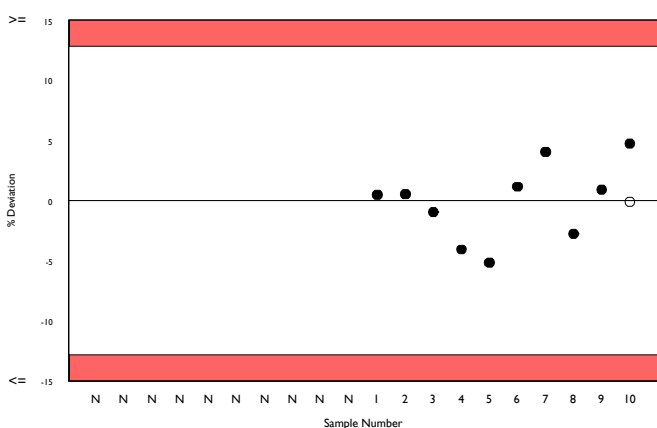
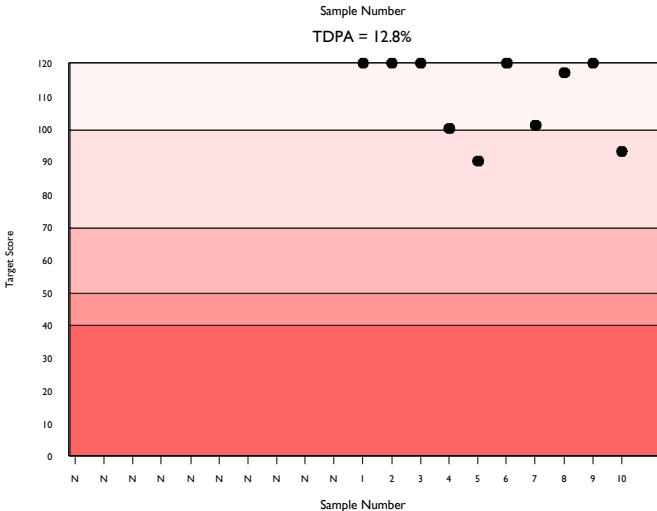
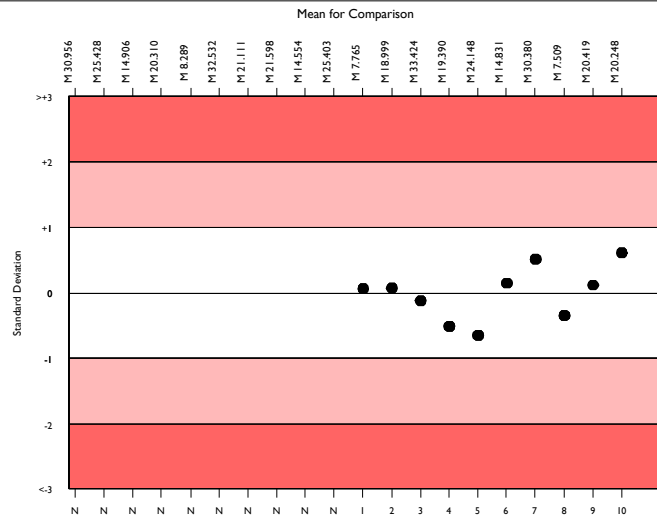
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1534	20.773	8.9	0.06	1.62	165
Abbott Architect	169	20.248	5.6	0.11	1.58	15

▲ Your Result	21.200	SDI	0.60
		RMSDI	-0.01
■ Mean for Comparison	20.248	TS	93
		RMTS	110
		%DEV	4.7
		RM%DEV	-0.1

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



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Alinity i	174	20.179	3.8	0.07
Abbott Architect	169	20.248	5.6	0.11
Beckman Dxl 600/800	144	20.807	6.7	0.15
Roche Cobas e601/ 602 Gen II	128	20.531	4.4	0.10
Roche Cobas 4000/e41 I	131	20.849	7.0	0.16
Roche Cobas e601/ 602	119	20.438	4.5	0.10
Roche Cobas e402/e801	104	20.013	3.4	0.08
Siemens Atellica IM	69	26.307	7.1	0.28
Beckman Access/LXi725	65	22.730	8.9	0.31
Roche Cobas e801 Gen II	56	20.088	4.0	0.13
Ortho Vitros 3600/5600/ECI/XT 7600	49	18.535	5.8	0.19
Roche Cobas 4000/e41 I Gen II	50	20.931	4.9	0.18
Siemens Centaur XP/XPT	48	25.216	9.4	0.43
SNIBE Maglumi analysers	44	26.302	7.0	0.35
Siemens/DPC Immulite 2000/2500	37	19.142	8.3	0.33
Mindray CL 8000i/6000i/2000i/1200i/1000i	28	20.149	7.3	0.35
Tosoh AIA Series	24	21.846	8.9	0.50
bioMerieux, VIDAS	15	17.967	8.5	0.49
Roche Elecsys	12	20.673	3.4	0.25
Immunotech RIA	9	25.662	1.0	0.10
Siemens/DPC Immulite 1000	10	19.818	17.3	1.36

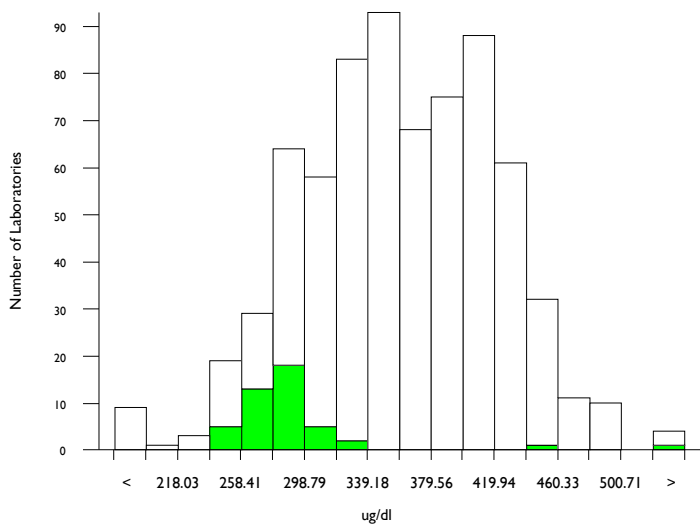


# DHEA-S, ug/dl

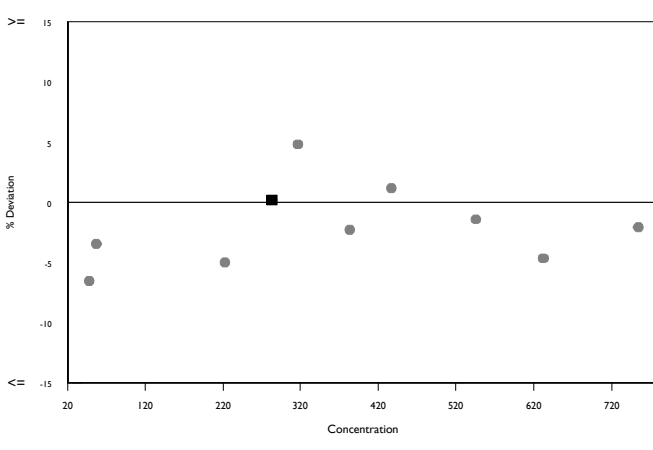
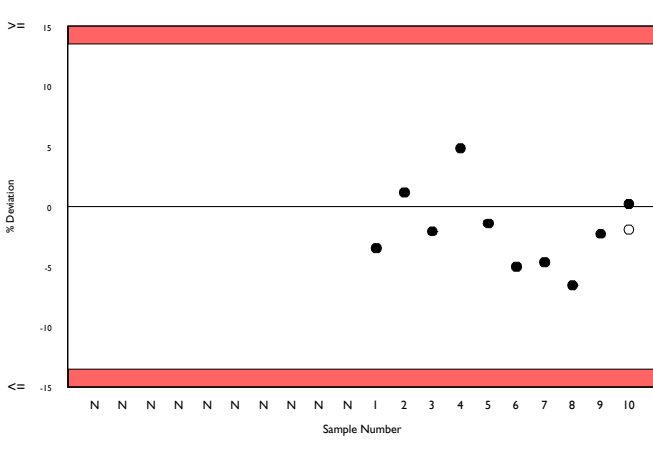
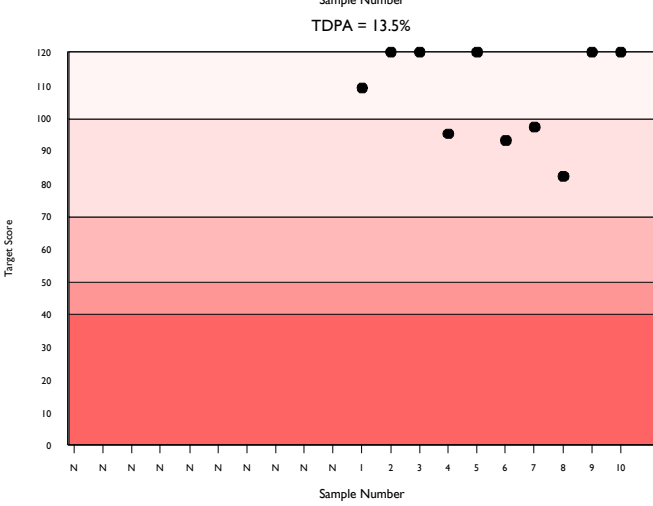
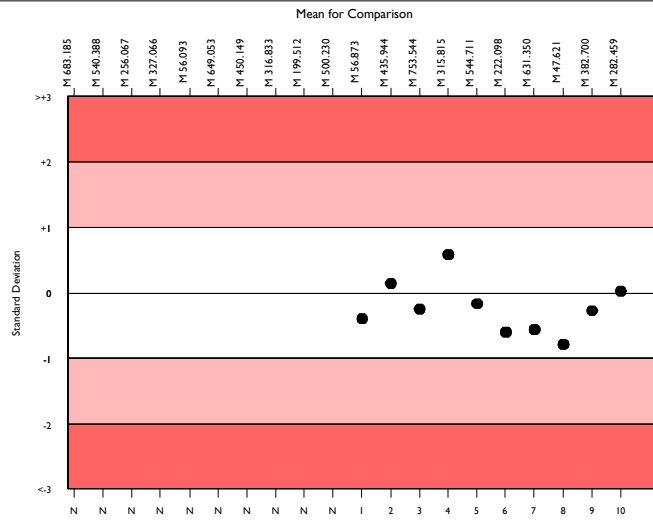
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	678	359.374	15.0	2.58	29.49	31
SNIBE Maglumi analysers	40	282.459	5.2	2.90	23.18	5

▲ Your Result	283.000	SDI	0.02
		RMSDI	-0.23
■ Mean for Comparison	282.459	TS	120
		RMTS	107
		%DEV	0.2
		RM%DEV	-1.9

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e402/e801	104	398.375	5.0	2.43
Roche Cobas 4000/e41 I	91	419.970	6.4	3.50
Roche Cobas e601/ 602	76	420.746	6.0	3.62
Abbott Alinity i	79	350.530	4.5	2.23
Abbott Architect	52	349.904	5.0	3.02
Siemens/DPC Immulite 2000/2500	47	305.006	7.2	3.99
SNIBE Maglumi analysers	40	282.459	5.2	2.90
Beckman Dxl 600/800	40	293.463	8.2	4.73
Siemens Atellica IM	37	316.584	5.3	3.44
Mindray CL 8000i/6000i/2000i/1200i/1000i	10	353.749	3.8	5.28
Siemens Centaur XP/XPT	11	307.598	5.0	5.83
Beckman Access/LXi725	9	323.534	7.2	9.65
DiaSorin Liaison XL	7	250.298	6.4	7.55
Tosoh AIA Series	9	343.909	4.9	7.09
Siemens/DPC Immulite 1000	6	279.683	13.9	19.90
Roche Elecsys	4	462.225	5.3	15.38
Tosoh AIA-CL Series	5	379.840	1.6	3.40
ELISA	4	316.250	11.3	22.41
DiaSorin Liaison	4	254.073	11.1	17.63
LC/MS	3	263.867	22.4	42.69
Immunotech RIA	3	364.009	10.6	27.77

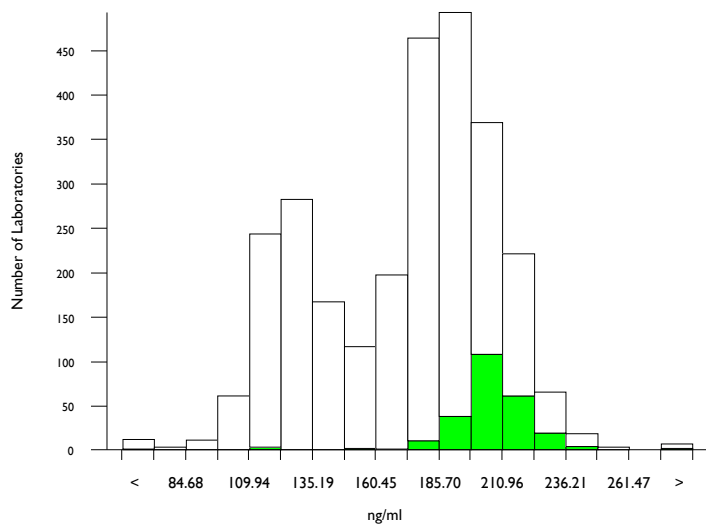


# Ferritin, ng/ml

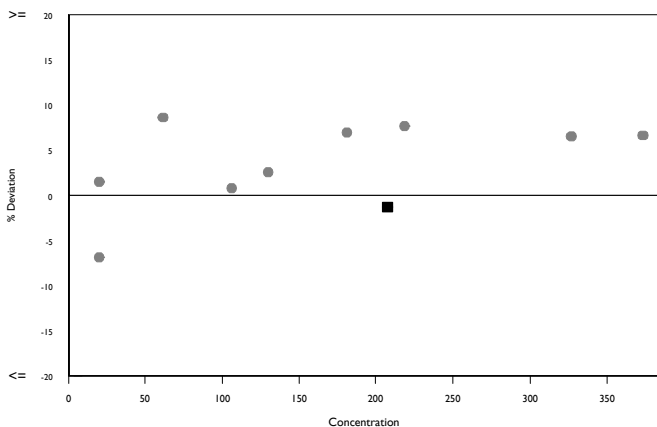
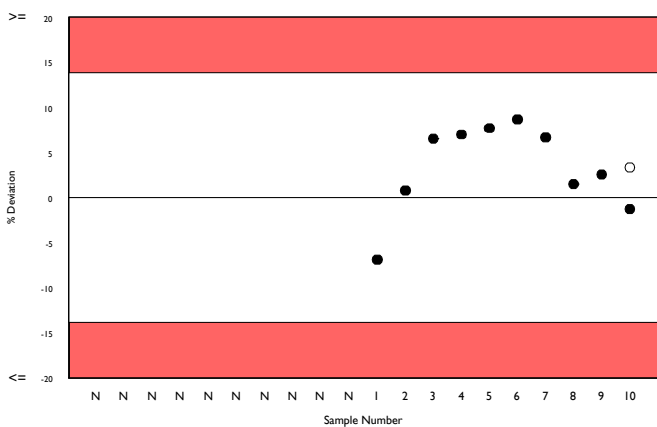
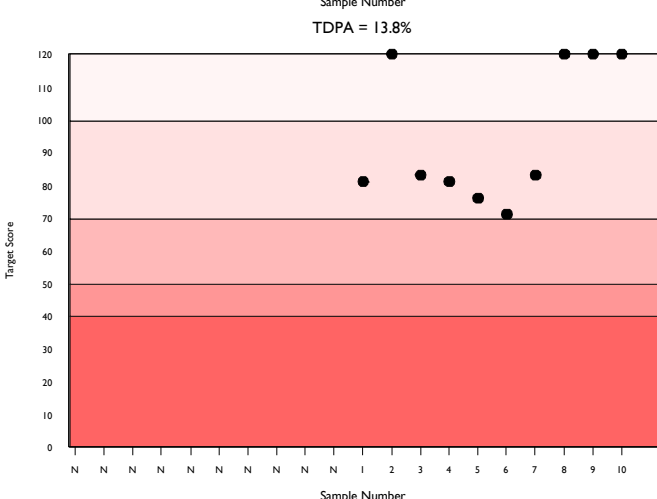
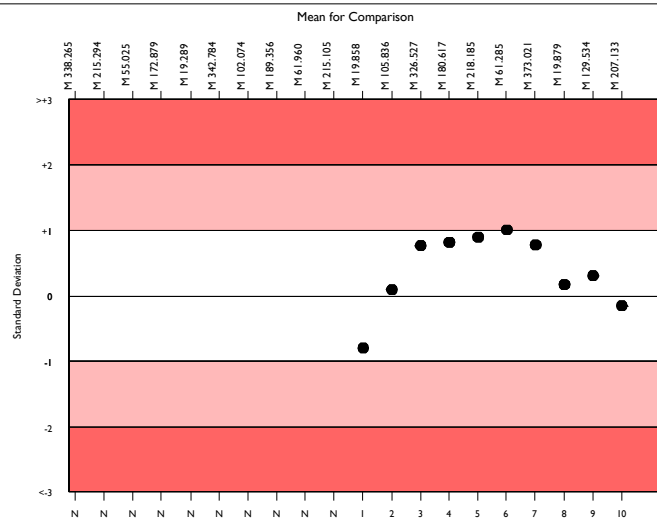
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2680	173.081	19.5	0.81	14.52	52
Abbott Architect Chemilum	223	207.133	4.7	0.82	17.38	26

▲ Your Result	204.430	SDI	-0.16
		RMSDI	0.39
■ Mean for Comparison	207.133	TS	120
		RMTS	95
		%DEV	-1.3
		RM%DEV	3.3

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	13.80%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Modular E170 /Cobas e601/602	365	187.313	5.2	0.63
Roche Elecsys / Cobas e411	331	189.509	6.7	0.87
Roche Cobas e402/e801	260	178.687	4.0	0.56
Abbott Alinity i	251	212.586	4.9	0.81
Abbott Architect Chemilum	223	207.133	4.7	0.82
Beckman Dxl 600/800	168	119.687	5.7	0.66
Beckman Access/LXi725	122	122.642	5.5	0.76
Siemens Atellica IM	114	133.668	4.8	0.75
Ortho Vitros 3600/5600/ECi/XT/7600	98	113.085	4.9	0.70
SNIBE Maglumi analysers	81	199.022	7.7	2.12
Siemens Centaur XP/XPT	77	137.421	6.9	1.35
Roche Cobas C303/501/502/503/701/702	53	175.433	5.5	1.65
bioMerieux, VIDAS	50	144.629	10.1	2.58
Mindray CL 8000i/6000i/2000i/1200i/1000i	46	184.295	5.3	1.82
Tosoh AIA Series	40	127.573	6.7	1.68
Siemens/DPC Immulite 2000/2500	29	154.241	6.0	2.16
Beckman AU Instruments	25	149.611	5.8	2.17
DiaSorin Liaison XL	20	197.359	3.3	1.81
Roche Cobas 4000/c311	20	188.340	9.3	4.91
Siemens Centaur CP	14	141.243	6.6	3.13
Siemens Dimension	14	176.939	8.9	5.27

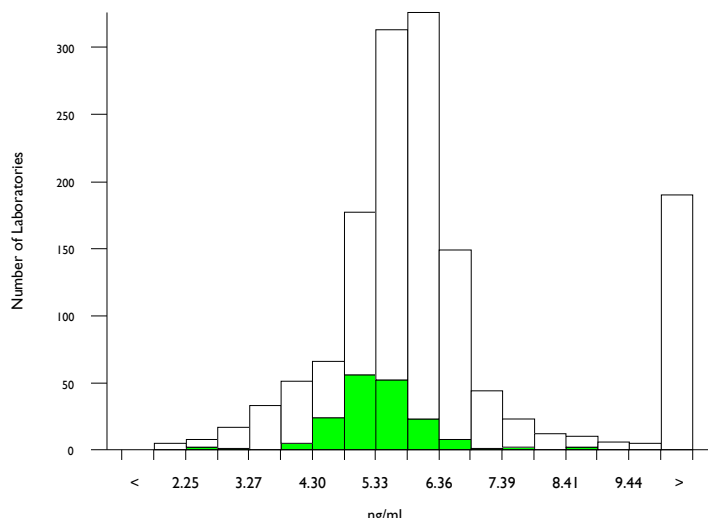


# Folate, ng/ml

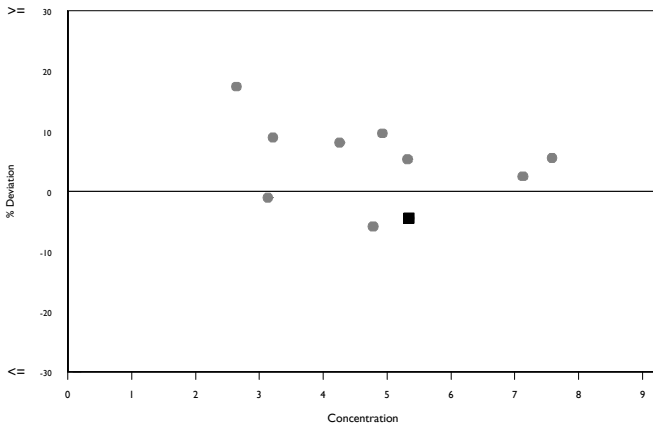
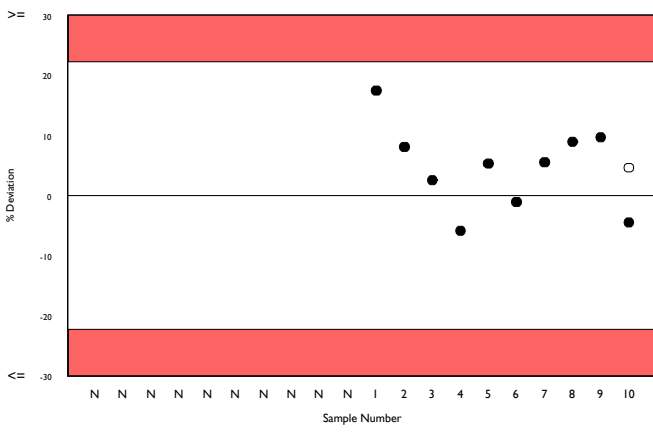
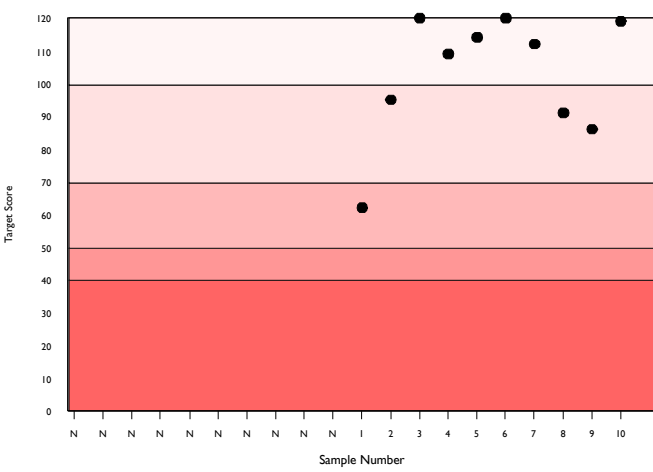
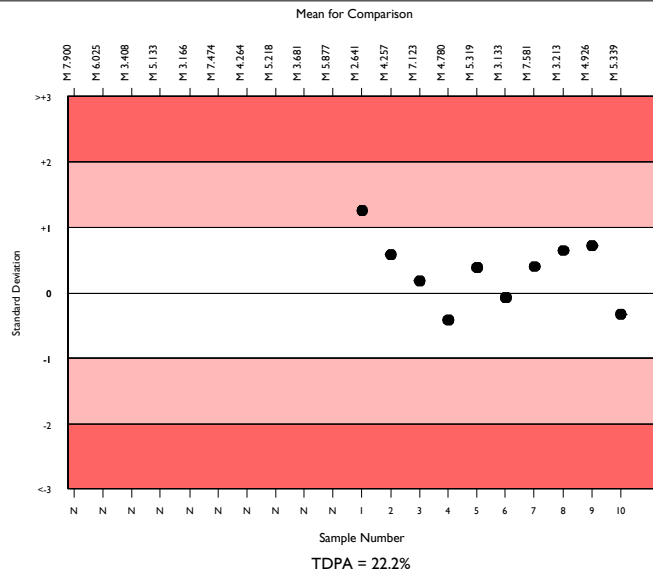
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1275	5.849	23.4	0.05	0.79	165
Abbott Architect	160	5.339	9.2	0.05	0.72	16

▲ Your Result	5.100	SDI	-0.33
		RMSDI	0.33
■ Mean for Comparison	5.339	TS	119
		RMTS	102
		%DEV	-4.5
		RM%DEV	4.6

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	22.20%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Folate III - 07559992	306	5.851	9.5	0.04
Abbott Architect	160	5.339	9.2	0.05
Abbott Alinity i	160	5.757	9.3	0.05
Roche Folate 07027290 e801	149	5.886	7.7	0.05
Beckman Dxl 600/800 - A98032	74	6.069	5.9	0.05
Siemens Atellica IM	73	13.841	9.3	0.19
Beckman Access/LXi725	51	6.118	6.6	0.07
Siemens Centaur XP/XPT(enhanced)	50	13.601	11.8	0.28
Beckman Dxl 600/800 - A14208	45	5.956	6.0	0.07
Roche Elecsys Folate	42	6.034	20.2	0.23
SNIBE Maglumi Analyser	34	5.100	22.8	0.25
Ortho Vitros 3600/5600/ECi/XT/7600	31	3.557	7.1	0.06
Siemens/DPC Immulite 2000	24	4.132	6.0	0.06
Roche Folate III - 04476433	24	5.747	13.4	0.20
Mindray CL 8000i/6000i/2000i/1200i/1000i	23	15.624	4.7	0.19
Tosoh AIA Series	16	7.976	10.8	0.27
Siemens Dimension	10	2.945	10.0	0.12
Tosoh AIA-CL Series	7	16.414	5.3	0.41
DiaSorin Liaison XL	4	2.390	12.5	0.19
Mindray CL 900i	4	15.830	3.0	0.30
Roche Cobas 4000/e411	4	5.128	22.1	0.71



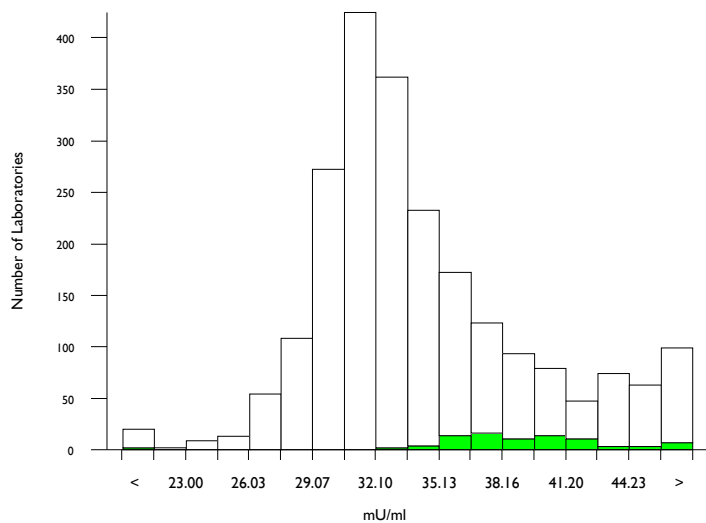
# FSH, mU/ml

- All Methods
- bioMerieux, VIDAS

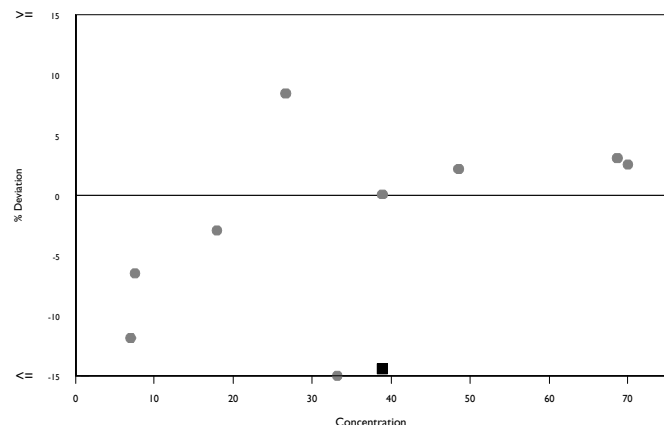
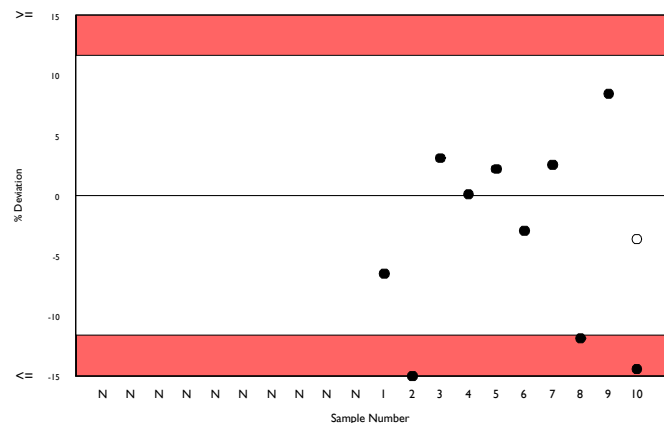
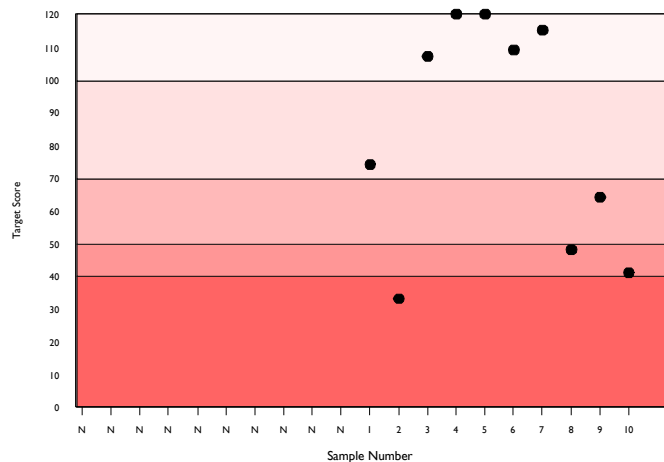
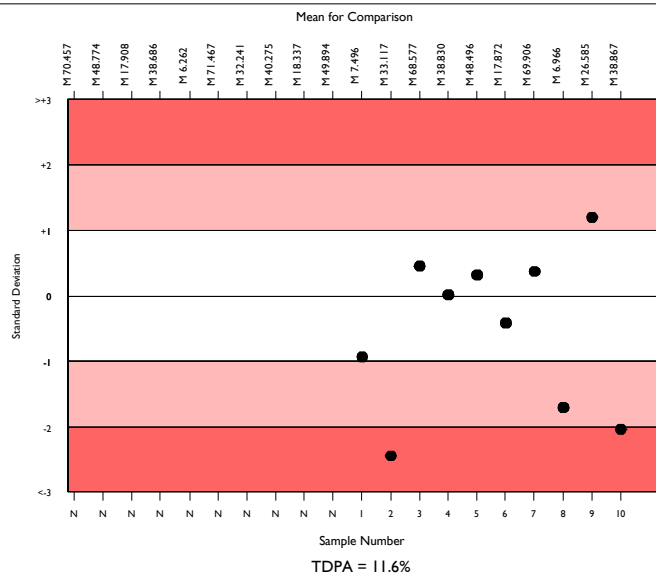
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2070	33.620	12.0	0.11	2.37	175
bioMerieux, VIDAS	77	38.867	7.3	0.40	2.74	10

<span style="color: black;">▲</span> Your Result	33.270	SDI	-2.04
		RMSDI	-0.52
<span style="color: green;">■</span> Mean for Comparison	38.867	TS	41
		RMTS	83
		%DEV	-14.4
		RM%DEV	-3.6

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.60%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	317	31.573	4.2	0.09
Roche Cobas 4000/e41 I	270	33.703	5.4	0.14
Abbott Architect	213	30.808	5.6	0.15
Roche Cobas e402/e80 I	198	31.693	3.4	0.10
Abbott Alinity i	189	30.707	4.3	0.12
Beckman Dxl 600/800	130	35.613	5.7	0.22
Beckman Access/LXi725	98	35.844	7.2	0.33
SNIBE Maglumi analysers	85	37.427	5.7	0.29
Siemens Atellica IM	82	43.283	5.0	0.30
bioMerieux, VIDAS	77	38.867	7.3	0.40
Ortho Vitros 3600/5600/ECi/XT/7600	63	27.576	3.3	0.15
Siemens Centaur XP/XPT	66	44.903	4.4	0.30
Mindray CL 8000i/6000i/2000i/1200i/1000i	45	44.419	6.7	0.55
Siemens/DPC Immulite 2000/2500	39	36.262	6.4	0.47
Tosoh AIA Series	37	37.608	12.0	0.93
Roche Elecsys	28	33.220	6.8	0.54
DiaSorin Liaison XL	19	49.389	5.5	0.78
Siemens/DPC Immulite 1000	11	36.618	5.7	0.79
Shenzhen YHLO iFlash Series	9	36.703	5.2	0.79
Autobio CLIA	9	38.416	2.2	0.35
Mindray CL 900i	9	47.291	7.1	1.40

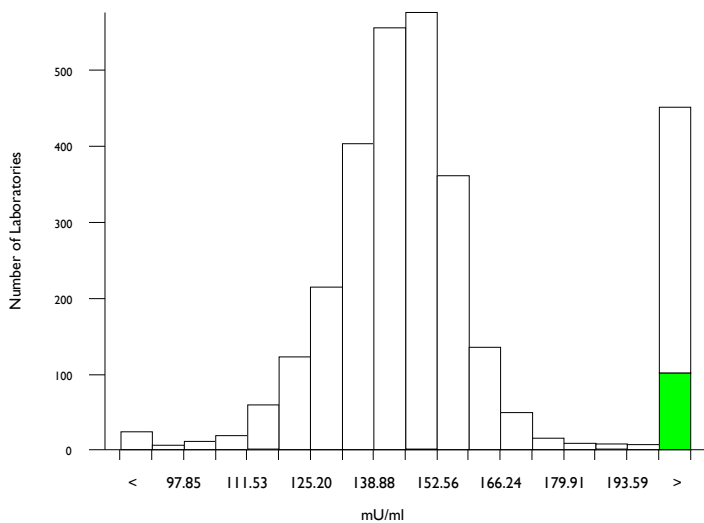


# hCG, mU/ml

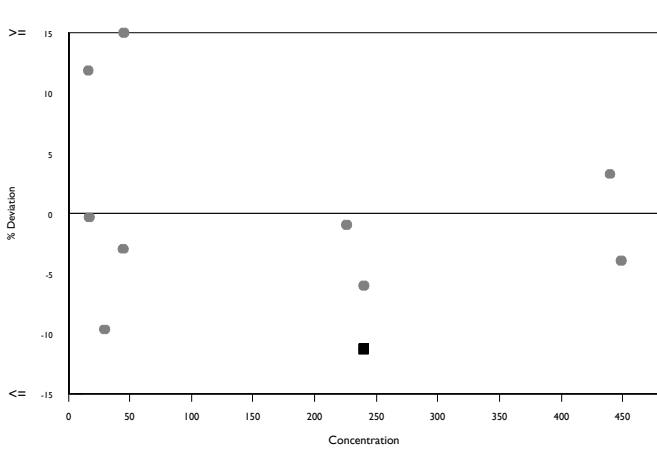
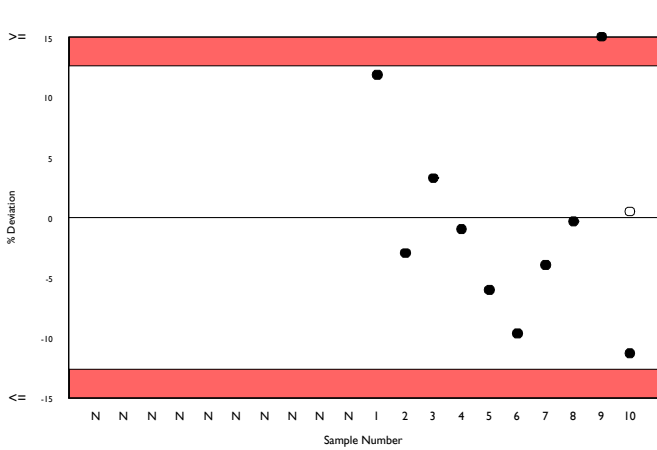
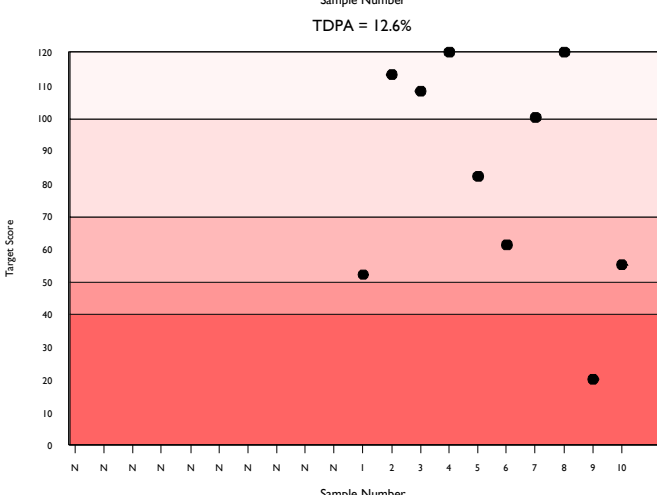
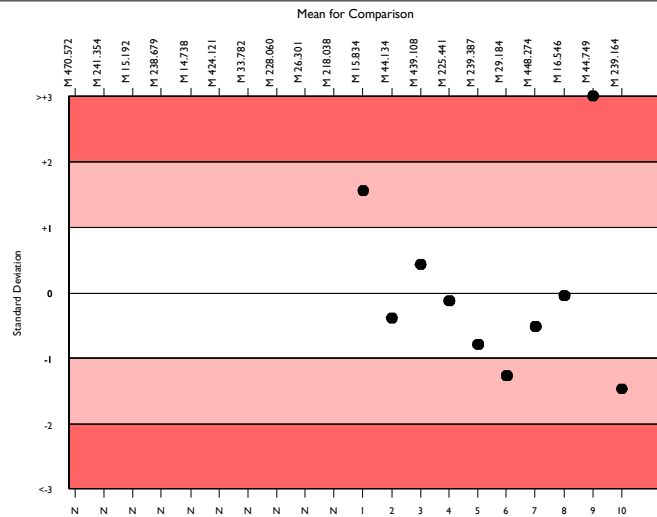
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2632	145.725	12.5	0.44	11.16	396
bioMerieux, VIDAS	96	239.164	8.0	2.44	18.32	10

▲ Your Result	212.210	SDI	-1.47
		RMSDI	0.06
■ Mean for Comparison	239.164	TS	55
		RMTS	83
		%DEV	-11.3
		RM%DEV	0.5

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche hCG+Beta	921	151.207	5.3	0.33
Abbott Architect	304	137.165	5.3	0.52
Abbott Alinity i	271	141.612	4.3	0.46
Roche hCG + Beta e801	187	146.380	4.2	0.57
Beckman Dxl 600/800	116	144.747	4.4	0.74
Ortho Vitros 3600/5600/ECI/XT 7600	104	231.243	3.7	1.06
Siemens Atellica IM	108	132.709	5.0	0.80
bioMerieux, VIDAS	96	239.164	8.0	2.44
Beckman Access Total BhCG (5th IS)	89	142.962	5.3	1.00
Siemens Centaur XP/XPT	83	127.978	4.2	0.74
SNIBE Maglumi analysers	78	237.913	5.2	1.77
Beckman DXI Total BhCG (5th IS)	60	144.955	3.6	0.84
Mindray hCG 8000/6000/2000/1200/1000i	52	115.217	9.5	1.89
Beckman Access/LXi725	49	140.341	5.2	1.31
Siemens/DPC Immulite 2000	43	281.407	8.4	4.50
Tosoh AIA Series	34	232.593	3.9	1.92
Roche hCG STAT(Intact)	33	121.039	4.5	1.19
Siemens Dimension	24	232.884	4.3	2.56
Siemens Centaur CP	21	128.376	5.6	1.97
DiaSorin Liaison XL	19	142.397	6.7	2.72
Roche Cobas Core EIA	16	147.288	10.6	4.89



# IgE, kU/l

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	868	386.888	8.9	1.45	32.46	69
bioMerieux, VIDAS	83	351.666	10.2	4.90	29.50	8

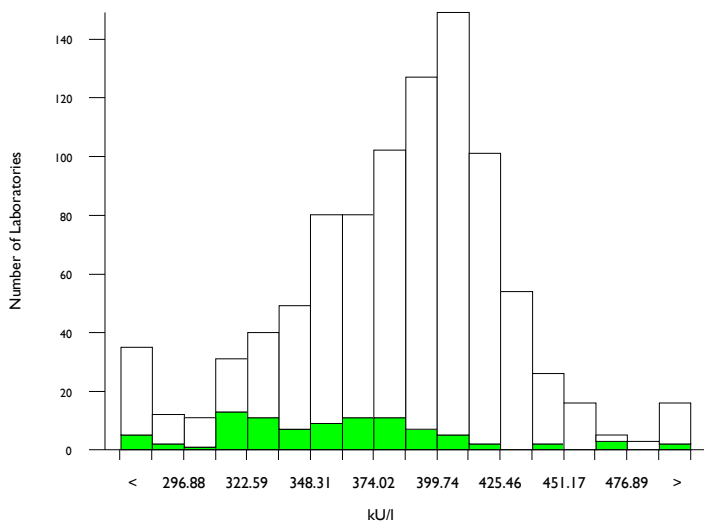
▲ Your Result	275.400	SDI	-2.58
		RMSDI	-0.52
■ Mean for Comparison	351.666	TS	30
		RMTS	67
		%DEV	-21.7
		RM%DEV	-4.4

Acceptable limits derived from Biological Variation: N/A

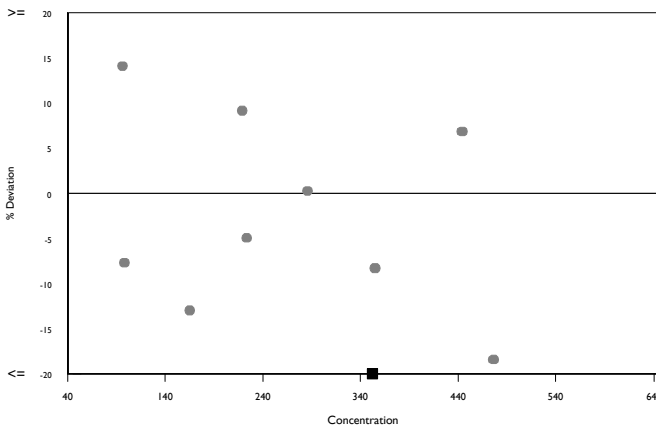
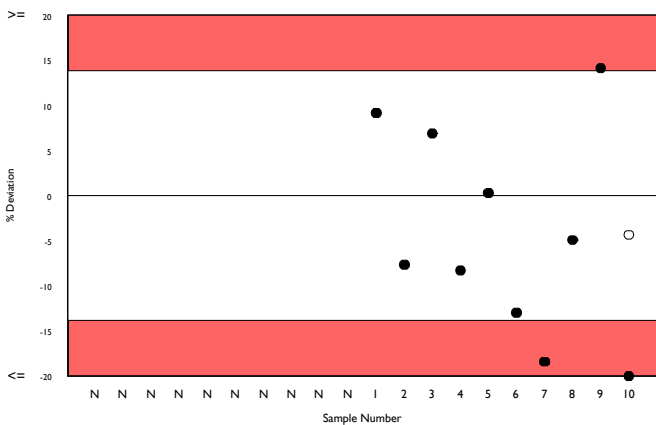
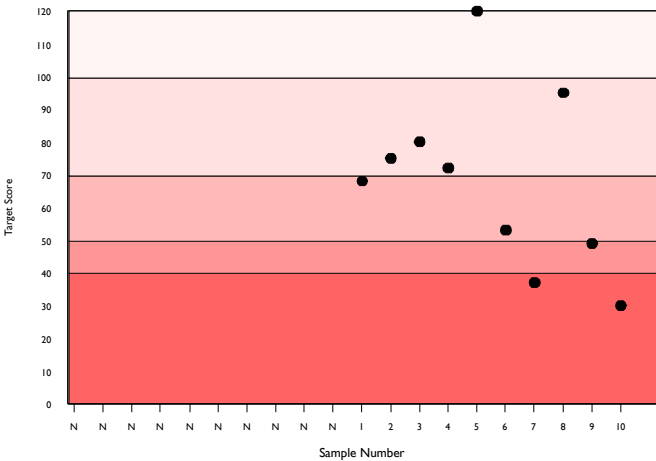
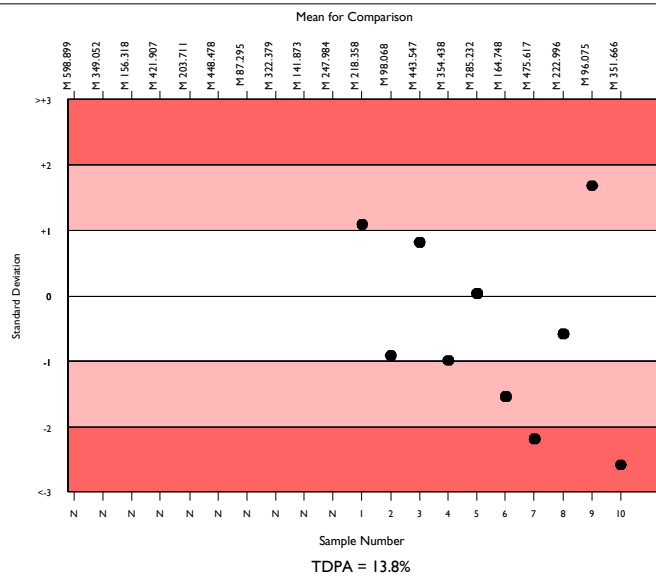
Acceptable limits of performance for RIQAS: 13.80%

SDI in bottom 5% of peer group

TS & %DEV outside limits



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 4000/e411	165	406.816	6.4	2.52
Roche Cobas e601/602	136	401.035	4.4	1.91
Roche Cobas e402/e801	97	408.865	4.2	2.16
bioMerieux, VIDAS	83	351.666	10.2	4.90
SNIBE Maglumi analysers	65	324.549	7.7	3.89
Siemens/DPC Immulite 2000/2500	55	380.580	9.4	6.06
Siemens Atellica IM	36	392.576	4.1	3.34
Siemens Centaur XP/XPT	34	393.035	5.2	4.40
Abbott Alinity	30	360.214	2.4	1.98
Abbott Architect	26	365.801	5.5	4.93
Phadia Immunocap instruments	23	380.281	3.7	3.63
Tosoh AIA Series	24	363.859	7.6	7.02
Roche Elecsys	12	409.450	8.1	11.92
Siemens/DPC Immulite 1000	11	419.727	11.0	17.33
ELISA	8	291.654	19.8	25.48
Tosoh AIA-CL Series	6	343.633	2.7	4.75
Siemens Centaur CP	5	394.660	5.0	11.05
Agappe Mispia i2	4	449.148	20.3	57.02
Beckman AU analysers	4	387.450	7.1	17.13
Biomed	4	412.765	3.8	9.88
Biotech Med INC i-CHROMA	4	373.238	8.5	19.82

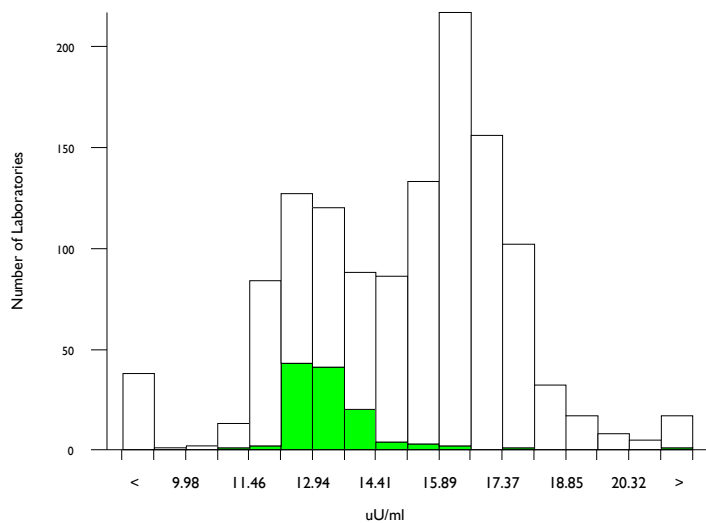


# Insulin, uU/ml

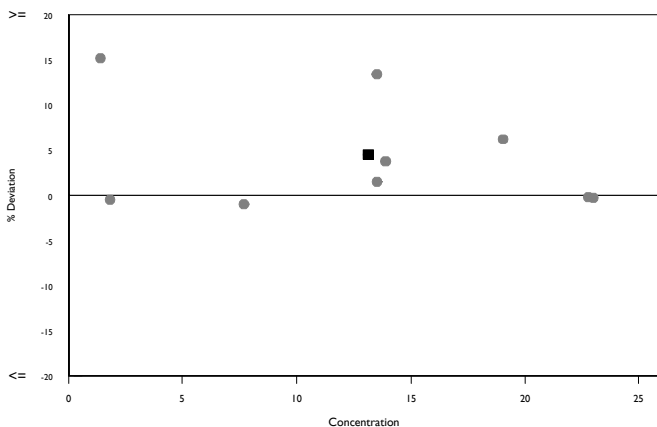
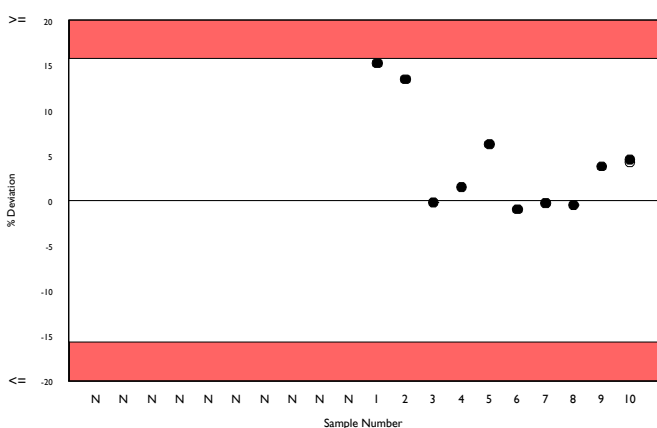
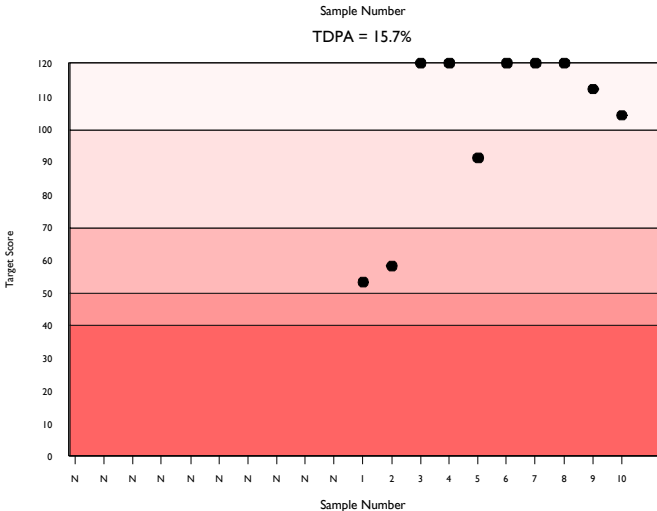
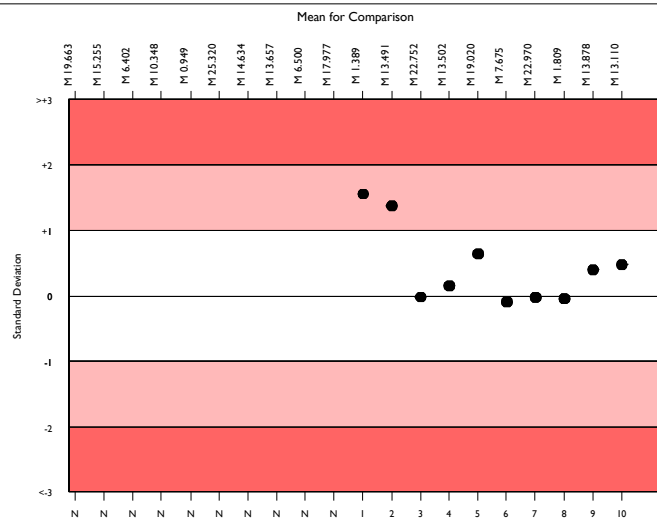
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1174	15.158	13.0	0.07	1.45	72
Abbott Architect	104	13.110	3.9	0.06	1.25	14

▲ Your Result	13.700	SDI	0.47
		RMSDI	0.44
■ Mean for Comparison	13.110	TS	104
		RMTS	101
		%DEV	4.5
		RM%DEV	4.3

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.70%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	263	16.409	5.1	0.06
Roche Cobas 4000/e41 I	168	16.693	6.0	0.10
Abbott Alinity i	130	12.208	3.7	0.05
Abbott Architect	104	13.110	3.9	0.06
Beckman Dxl 600/800	91	13.242	5.5	0.10
Siemens Atellica IM	51	15.582	4.4	0.12
Roche Elecsys	44	16.572	5.6	0.17
SNIBE Maglumi analysers	45	15.300	5.4	0.15
Siemens Centaur XP/XPT	39	16.285	6.4	0.21
Beckman Access/LXi725	36	13.500	4.3	0.12
Mindray CL 8000i/6000i/2000i/1200i/1000i	29	17.224	5.1	0.21
Tosoh AIA Series	29	16.293	7.4	0.28
Siemens/DPC Immulite 2000	20	6.281	26.4	0.46
Ortho Vitros 3600/5600/ECi/XT 7600	22	13.701	4.4	0.16
DiaSorin Liaison XL	13	17.502	3.8	0.23
Siemens/DPC Immulite 1000	8	5.414	27.9	0.67
Mindray CL 900i	7	18.069	8.5	0.73
Tosoh AIA-CL Series	7	16.643	3.6	0.28
DiaSorin Liaison	6	18.900	7.6	0.74
Autobio CLIA	5	18.390	3.6	0.37
Siemens Centaur CP	4	15.550	8.7	0.85



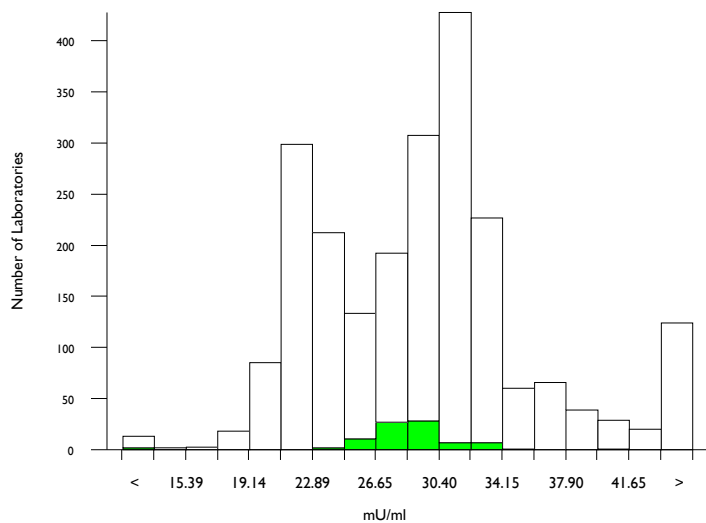


# LH, mU/ml

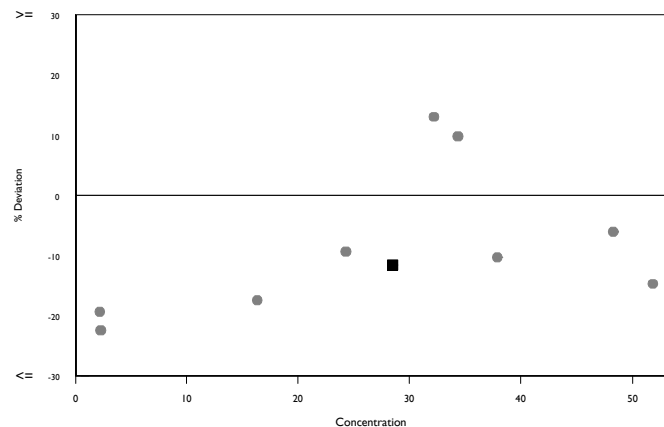
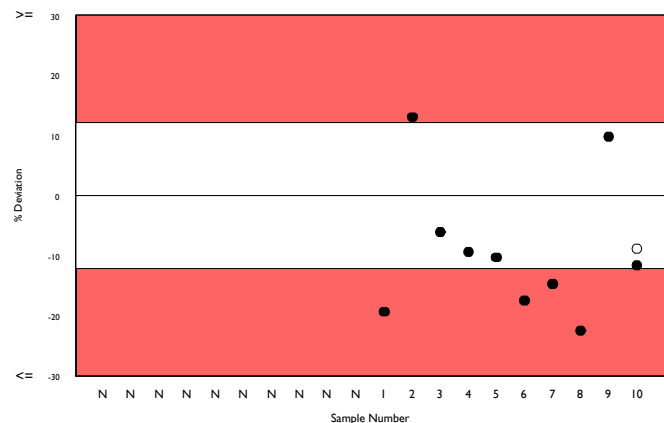
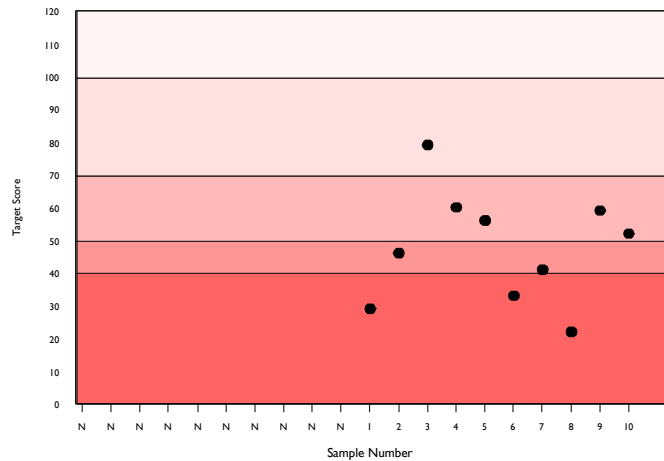
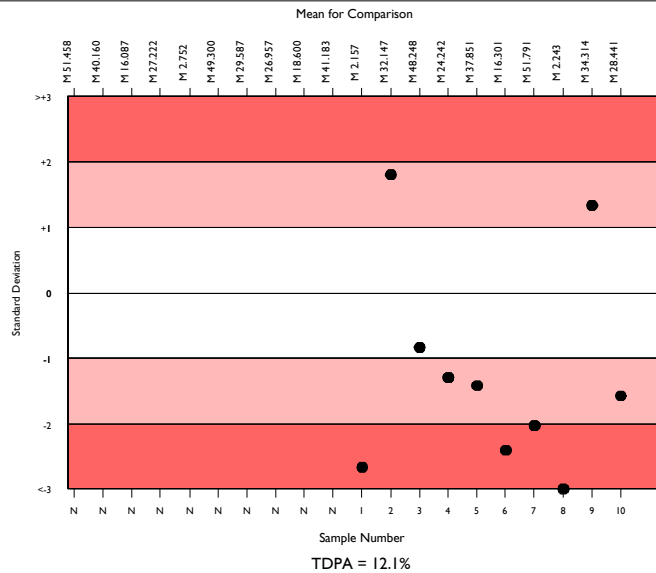
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2104	28.526	17.5	0.14	2.10	150
bioMerieux, VIDAS	77	28.441	6.3	0.25	2.09	9

▲ Your Result	25.140	SDI	-1.58
		RMSDI	-1.22
■ Mean for Comparison	28.441	TS	52
		RMTS	47
		%DEV	-11.6
		RM%DEV	-8.8

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.10%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	332	30.892	4.1	0.09
Roche Cobas 4000/e41 I	283	30.619	5.5	0.13
Roche Cobas e402/e801	196	32.011	3.5	0.10
Abbott Architect	199	22.337	7.6	0.15
Abbott Alinity i	184	22.445	3.5	0.07
Beckman Dxl 600/800	126	22.667	6.9	0.17
Beckman Access/LXi725	94	23.037	8.0	0.24
SNIBE Maglumi analysers	83	48.412	5.3	0.35
Siemens Atellica IM	85	28.092	3.5	0.13
bioMerieux, VIDAS	77	28.441	6.3	0.25
Ortho Vitros 3600/5600/ECi/XT 7600	71	37.049	4.0	0.22
Siemens Centaur XP/XPT	64	26.918	5.5	0.23
Mindray CL 8000i/6000i/2000i/1200i/1000i	48	33.153	7.7	0.46
Tosoh AIA Series	36	25.872	6.3	0.34
Siemens/DPC Immulite 2000	34	42.759	7.0	0.64
Roche Elecsys	32	30.377	4.7	0.31
DiaSorin Liaison XL	18	37.887	6.8	0.76
Siemens/DPC Immulite 1000	11	43.482	5.3	0.86
Shenzhen YHLO iFlash Series	11	38.815	11.1	1.62
Autobio CLIA	9	35.857	3.8	0.57
Mindray CL 900i	10	34.306	11.9	1.61

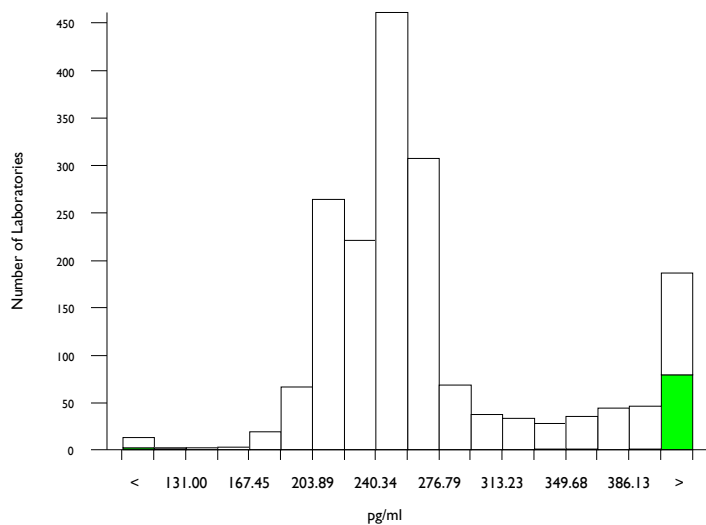


# Oestradiol, pg/ml

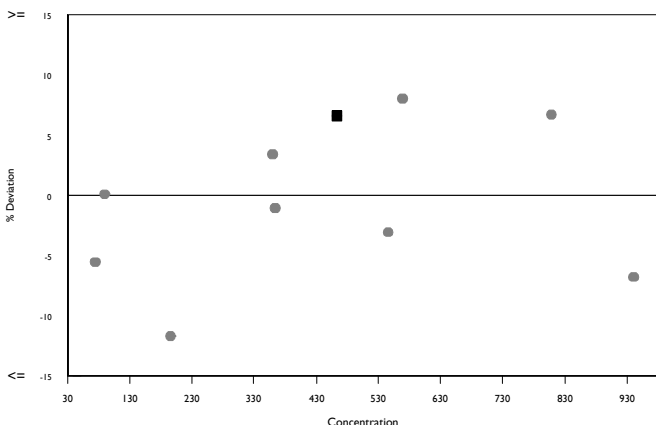
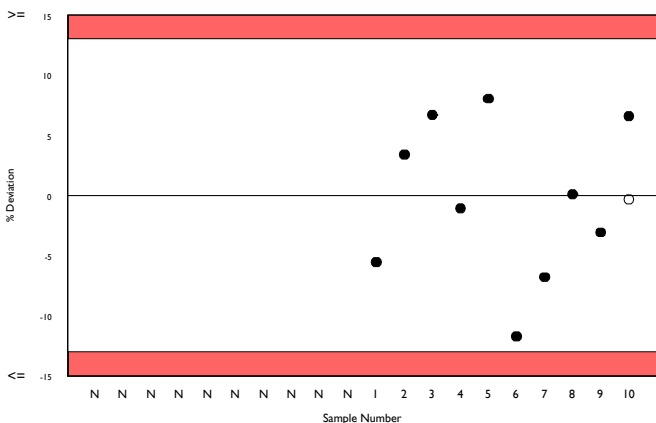
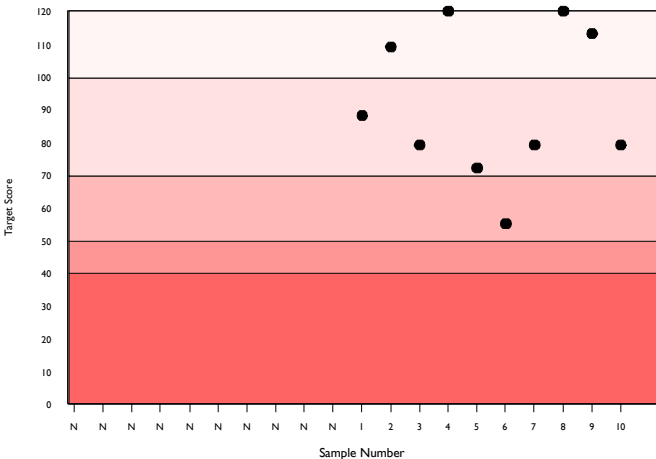
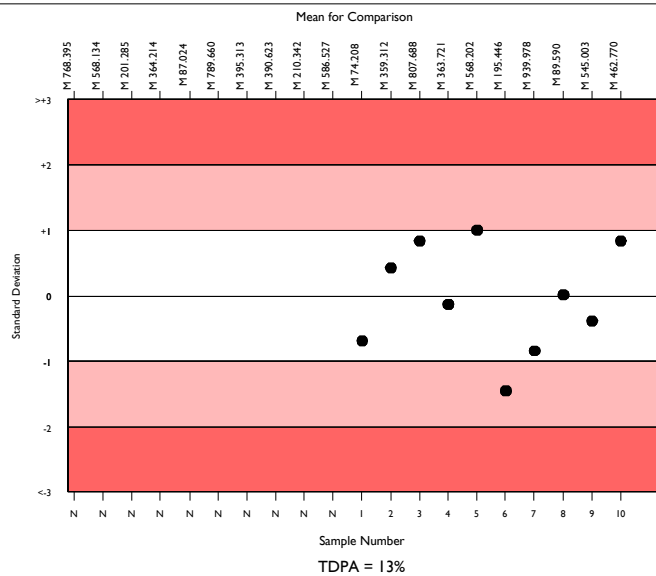
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1652	258.570	18.8	1.49	20.44	184
bioMerieux, VIDAS	74	462.770	5.6	3.78	36.57	11

▲ Your Result	493.260	SDI	0.83
		RMSDI	-0.04
■ Mean for Comparison	462.770	TS	79
		RMTS	91
		%DEV	6.6
		RM%DEV	-0.3

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	13.00%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602 (Estradiol III)	244	258.944	3.4	0.71
Roche Cobas e801 (Estadiol III)	184	252.161	3.4	0.78
Abbott Alinity i	161	217.728	4.6	0.98
Abbott Architect	158	219.364	4.6	1.00
Roche Cobas 4000/e411 (Estradiol III)	141	253.980	4.2	1.12
Roche Cobas 4000/e411 (Estradiol II)	85	254.762	3.9	1.34
bioMerieux, VIDAS	74	462.770	5.6	3.78
Siemens Atellica IM	79	396.858	4.5	2.54
Roche Cobas e601/ 602 (Estradiol II)	55	258.498	3.9	1.72
Beckman Dxl 600/800	53	213.451	6.0	2.20
Beckman Dxl 600/800 Sensitive B84493	55	210.950	4.7	1.68
SNIBE Maglumi analysers	51	567.336	11.8	11.73
Ortho Vitros 3600/5600/ECi/XT 7600	42	326.008	6.5	4.11
Mindray CL 8000i/6000i/2000i/1200i/1000i	35	300.256	5.8	3.65
Siemens Centaur XP/XPt	29	371.225	5.4	4.68
Siemens Centaur XP/XPt (eE2)	26	378.495	4.2	3.89
Beckman Access/LXi725	27	237.548	10.8	6.18
Beckman Access/LXi725 Sensitive B84493	26	231.489	8.4	4.75
Roche Elecsys (Estradiol III)	21	249.248	3.1	2.08
Siemens/DPC Immulite 2000/2500	20	319.797	11.5	10.26
Tosoh AIA Series (E2)	12	247.618	8.6	7.69

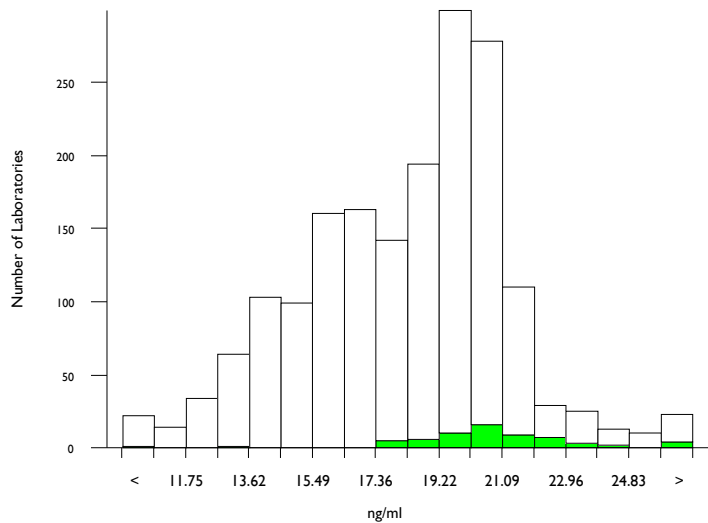


# Progesterone, ng/ml

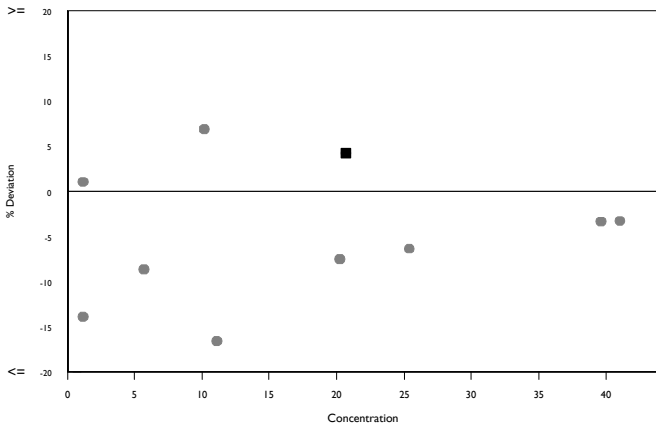
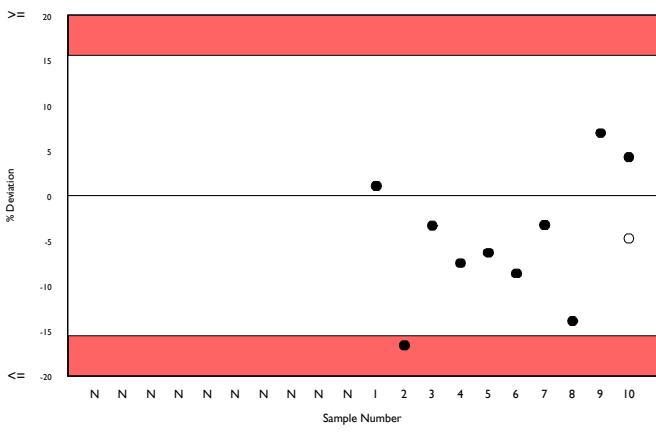
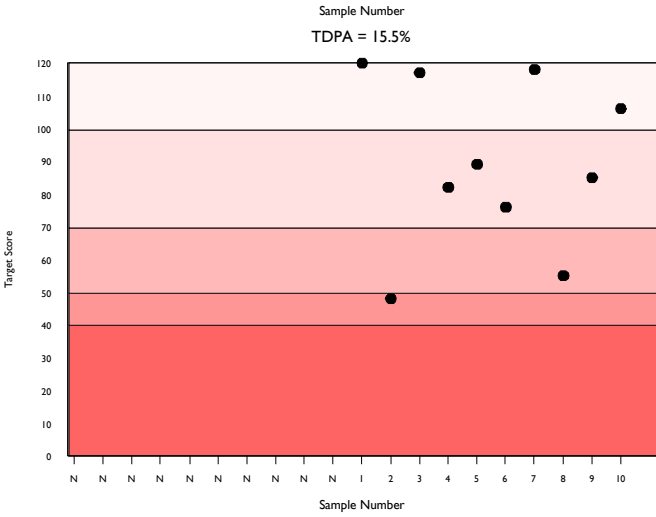
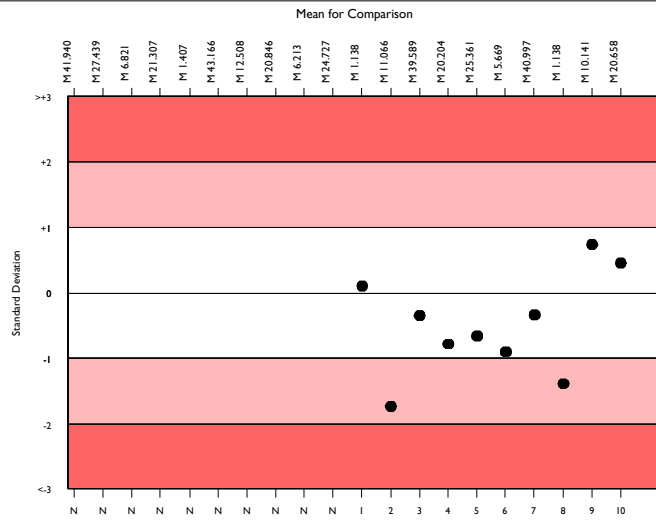
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1670	18.295	13.6	0.08	1.72	113
bioMerieux, VIDAS (<= lot 1009311690)	58	20.658	7.7	0.26	1.95	6

▲ Your Result	21.530	SDI	0.45
		RMSDI	-0.49
■ Mean for Comparison	20.658	TS	106
		RMTS	89
		%DEV	4.2
		RM%DEV	-4.7

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.50%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602 (Prog. III)	219	19.981	3.7	0.06
Roche Cobas e801 (Prog III)	171	20.213	3.5	0.07
Abbott Alinity i	161	16.286	4.7	0.07
Abbott Architect	151	17.572	5.4	0.10
Roche Cobas 4000/e411 (Prog. III)	125	19.910	4.6	0.10
Roche Cobas 4000/e411 (Prog. II)	94	20.427	6.2	0.16
Beckman DXI Prog. Cal 33555	75	15.924	9.8	0.23
Siemens Atellica IM	70	13.957	4.4	0.09
Roche Cobas e601/ 602 (Prog. II)	71	19.850	4.5	0.13
Beckman Access Prog. Cal 33555	61	15.871	7.7	0.19
bioMerieux, VIDAS (<= lot 1009311690)	58	20.658	7.7	0.26
Siemens Centaur XP/XPT	55	12.526	5.7	0.12
SNIBE Maglumi analysers	46	16.066	6.8	0.20
Ortho Vitros 3600/5600/ECi/XT 7600	35	17.994	3.8	0.14
Tosoh AIA Series	33	20.905	7.9	0.36
Siemens/DPC Immulite 2000/2500	33	13.682	6.4	0.19
Mindray CL 8000i/6000i/2000i/1200i/1000i	28	24.951	7.2	0.42
Roche Elecsys (Prog. III)	15	20.260	2.6	0.17
bioMerieux, VIDAS (>= lot 1009323920)	15	20.770	7.0	0.47
Roche Elecsys (Prog. II)	13	19.576	3.8	0.26
Beckman Access Prog.DE Cal. A80773	10	15.911	5.5	0.35

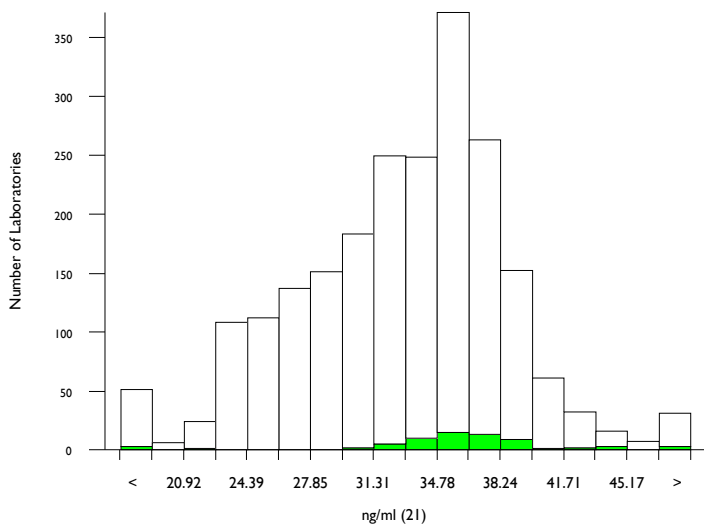


# Prolactin, ng/ml (21)

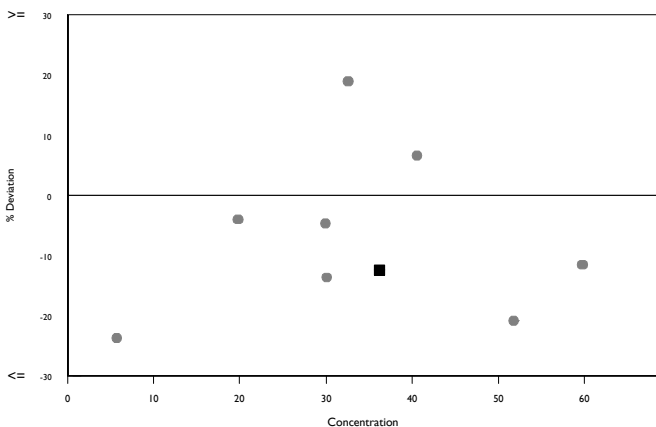
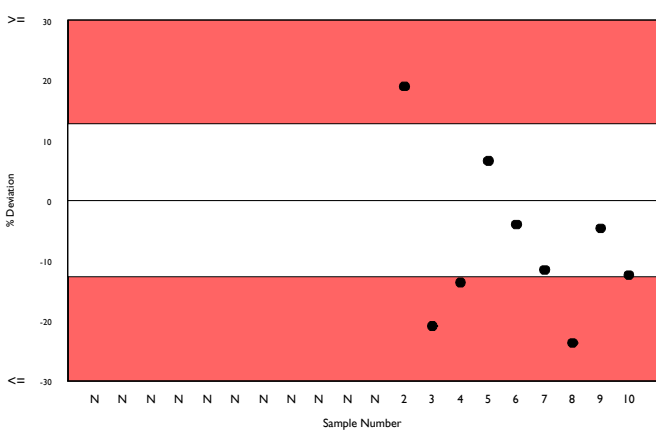
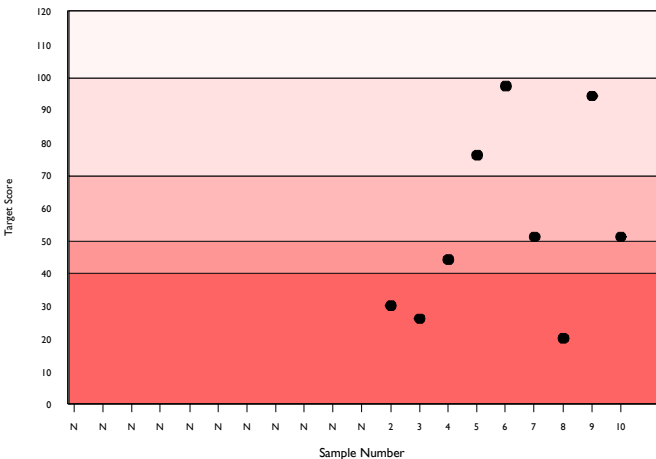
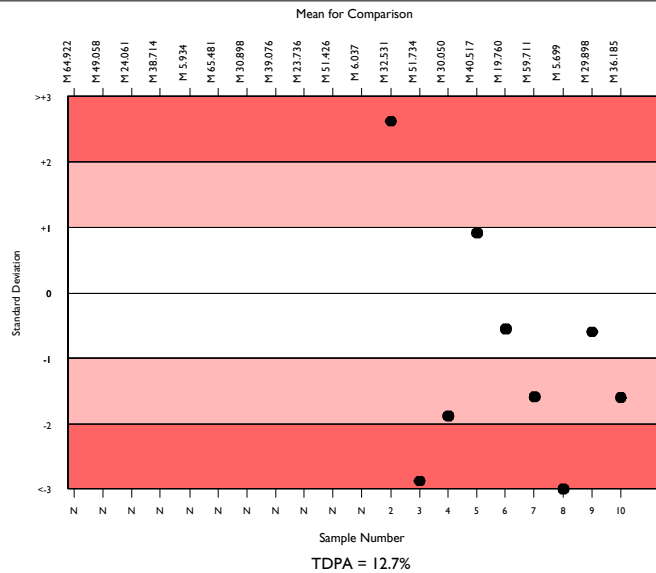
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2048	33.051	14.0	0.13	2.55	156
bioMerieux, VIDAS	57	36.185	7.4	0.44	2.79	10

▲ Your Result	31.700	SDI	-1.61
		RMSDI	Too Few
■ Mean for Comparison	36.185	TS	51
		RMTS	Too Few
		%DEV	-12.4
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.70%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	291	36.113	3.7	0.10
Roche Cobas 4000/e41 I	275	37.861	6.0	0.17
Abbott Architect	174	31.186	4.7	0.14
Abbott Alinity i	176	32.257	3.7	0.11
Roche Cobas e801 PRL II	178	35.325	3.5	0.12
Beckman Dxl 600/800	107	26.966	7.0	0.23
Beckman Access/LXi725	96	28.269	6.2	0.23
SNIBE Maglumi analysers	87	33.533	6.9	0.31
Siemens Atellica IM	83	23.675	3.9	0.13
Ortho Vitros 3600/5600/ECi/XT 7600	68	27.281	5.3	0.22
Siemens Centaur XP/XPT	68	24.464	6.4	0.24
bioMerieux, VIDAS	57	36.185	7.4	0.44
Mindray CL 8000i/6000i/2000i/1200i/1000i	49	35.184	7.1	0.45
Tosoh AIA Series	34	31.072	14.6	0.97
Siemens/DPC Immulite 2000/2500	34	29.003	5.5	0.34
Roche Elecsys/EI170/Cobas e601/ 602 PRLII	31	36.849	4.2	0.35
Roche Elecsys	28	36.473	6.2	0.53
DiaSorin Liaison XL	18	34.457	6.3	0.64
Shenzhen YHLO iFlash Series	12	41.133	6.3	0.93
Siemens Centaur CP	7	24.501	6.6	0.76
Siemens/DPC Immulite 1000	8	30.457	9.9	1.33

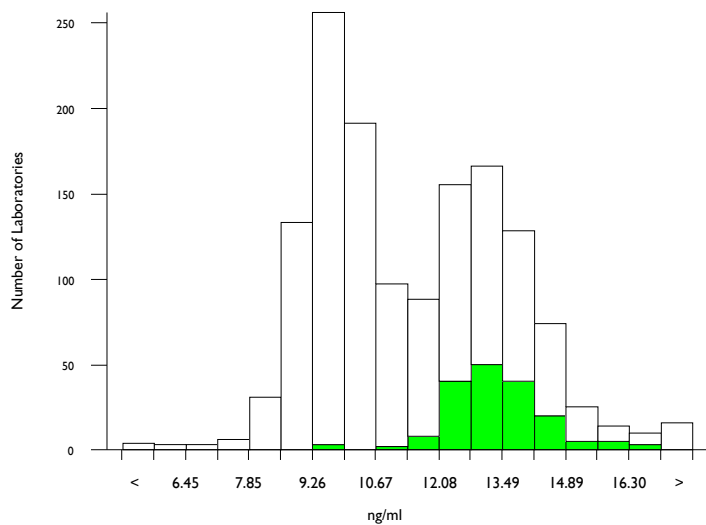


# PSA, Free, ng/ml

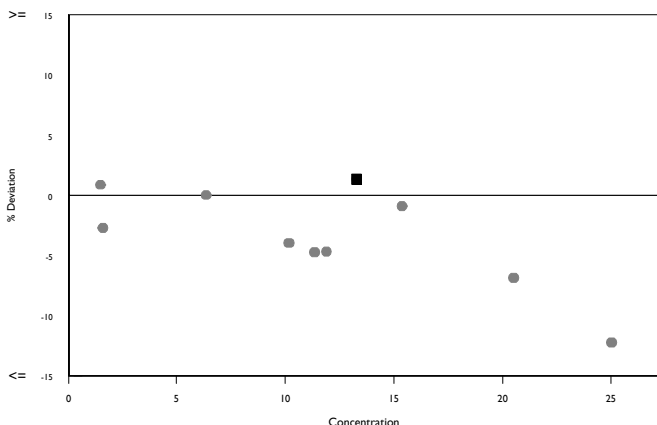
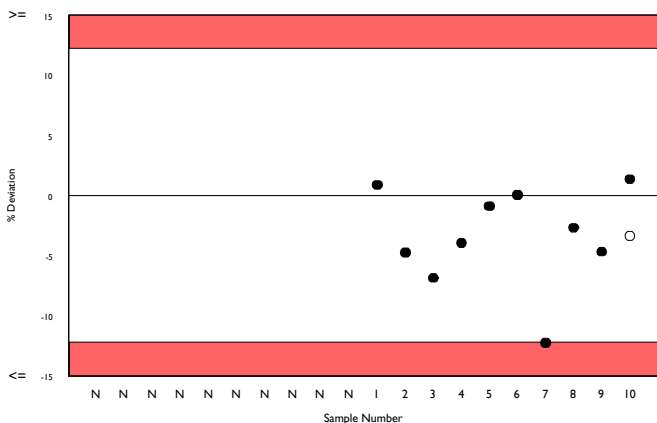
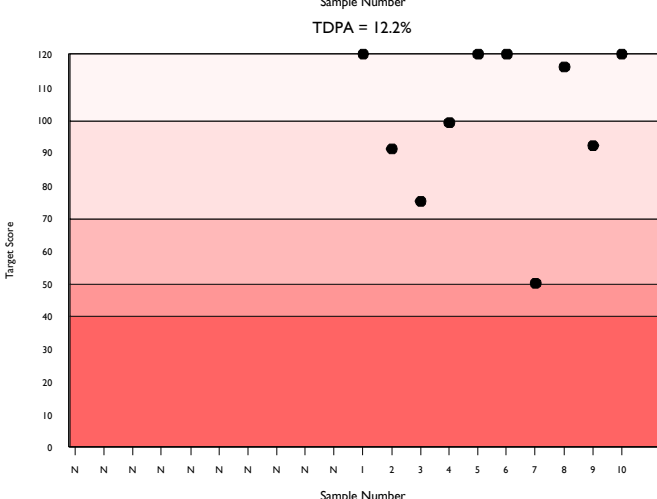
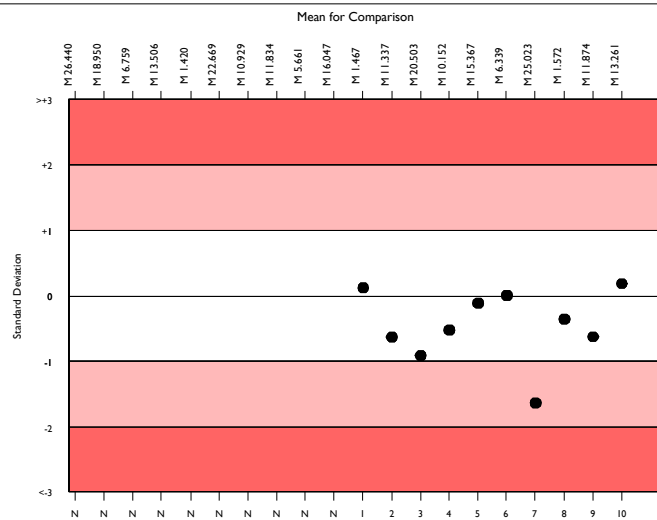
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1348	11.379	16.5	0.06	0.84	62
Abbott Architect	160	13.261	6.0	0.08	0.98	16

▲ Your Result	13.440	SDI	0.18
		RMSDI	-0.45
■ Mean for Comparison	13.261	TS	120
		RMTS	100
		%DEV	1.3
		RM%DEV	-3.4

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/602	191	10.072	5.7	0.05
Abbott Architect	160	13.261	6.0	0.08
Abbott Alinity i	155	12.892	5.3	0.07
Roche Cobas e402/e801	154	9.490	4.2	0.04
Roche Cobas 4000/e411	142	9.795	8.0	0.08
Beckman DXI standardised to Hybritech	83	13.801	5.5	0.10
Siemens Atellica IM	60	12.166	6.8	0.13
Beckman Access standardised to Hybritech	48	14.102	5.5	0.14
Siemens Centaur XP/XPT	45	11.676	5.7	0.12
SNIBE Maglumi analysers	33	9.492	6.0	0.12
Mindray CL 8000i/6000i/2000i/1200i/1000i	28	12.824	4.1	0.12
Tosoh AIA Series	26	10.102	5.2	0.13
Siemens/DPC Immulite 2000/2500	27	10.214	8.6	0.21
BioMerieux VIDAS	15	16.017	10.7	0.55
Ortho Vitros 3600/5600/ECi PSA II/XT7600	21	8.861	2.7	0.06
DiaSorin Liaison XL	15	11.222	4.0	0.14
Roche Elecsys	10	9.647	5.6	0.21
Beckman DXI standard to WHO IRP96/670	10	12.103	15.1	0.72
Tosoh AIA-CL Series	7	13.171	2.2	0.14
Mindray CL 900i	5	12.754	2.2	0.16
Immunotech IRMA	5	9.594	2.6	0.14

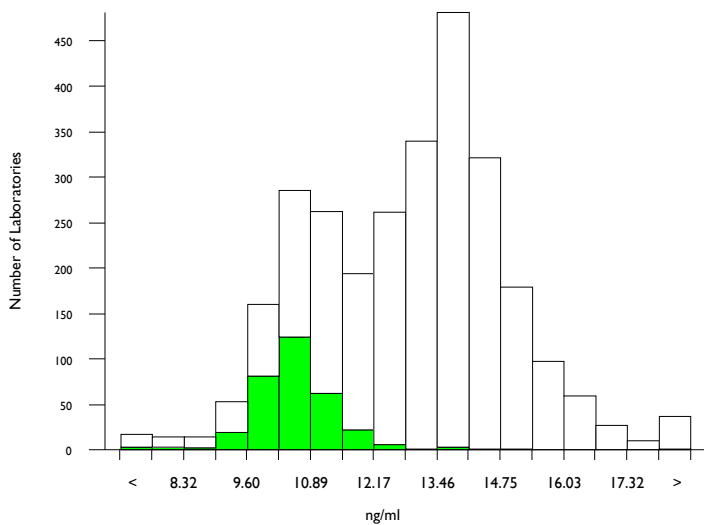


# PSA, Total, ng/ml

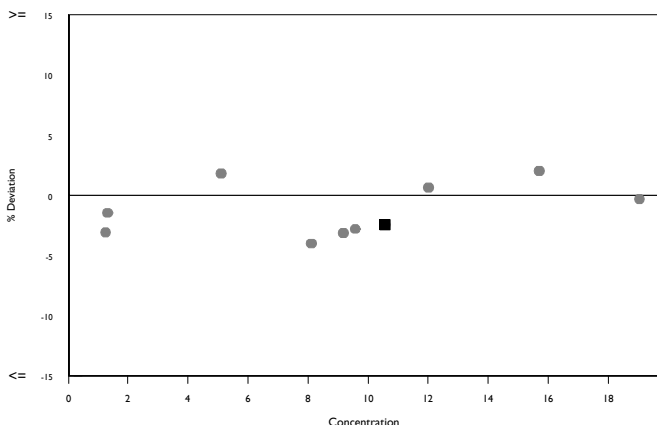
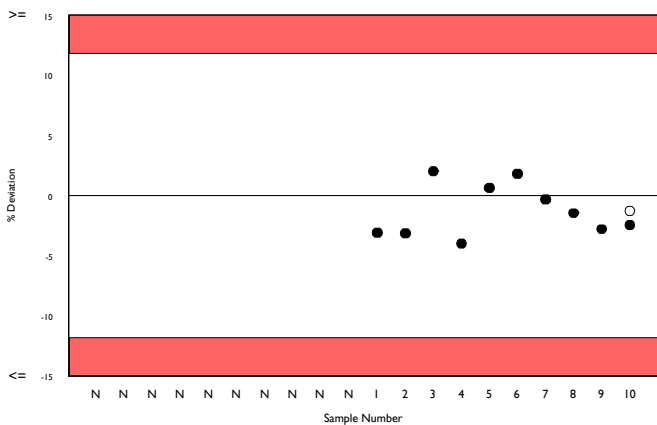
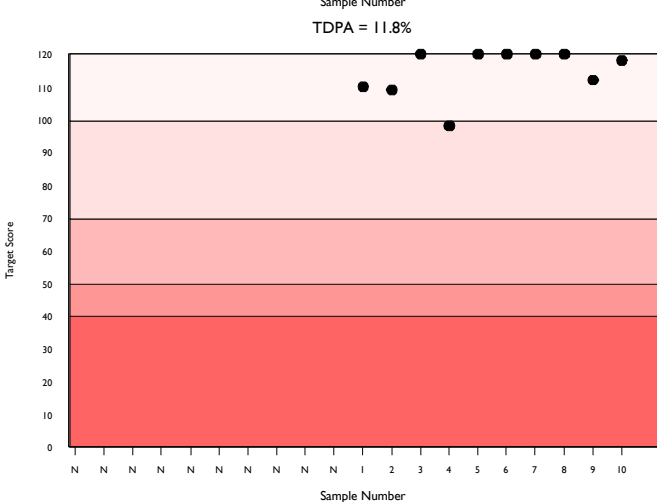
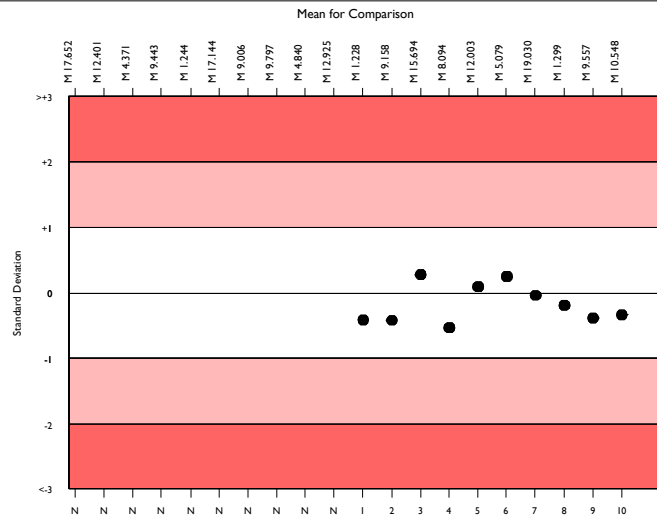
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2680	12.823	13.4	0.04	0.92	130
Abbott Architect	304	10.548	5.6	0.04	0.76	25

▲ Your Result	10.290	SDI	-0.34
		RMSDI	-0.18
■ Mean for Comparison	10.548	TS	118
		RMTS	114
		%DEV	-2.4
		RM%DEV	-1.3

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.80%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/602	434	13.784	4.0	0.03
Roche Cobas 4000/e41 I	317	13.914	6.1	0.06
Abbott Architect	304	10.548	5.6	0.04
Abbott Alinity i	261	10.769	5.2	0.04
Roche Cobas e402/e801	252	13.113	3.6	0.04
Beckman DXI standardised to Hybritech	145	15.272	5.5	0.09
Beckman Access standardised to Hybritech	120	15.412	5.4	0.09
Siemens Atellica IM	103	12.622	3.9	0.06
Siemens Centaur XP/XPT	89	12.194	6.4	0.10
SNIBE Maglumi analysers	70	11.587	6.2	0.11
Mindray CL 8000i/6000i/2000i/1200i/1000i	66	13.828	6.5	0.14
Ortho Vitros 3600/5600/ECi PSA II/XT7600	54	14.298	3.1	0.08
Tosoh AIA Series	46	9.226	11.7	0.20
bioMerieux, Vidas TPSA	31	12.103	5.4	0.15
Siemens Immulite 2000/2500, Total PSA	30	10.934	6.7	0.17
Ortho Vitros 3600/5600/ECi	30	14.162	4.3	0.14
Roche Elecsys	25	13.893	4.4	0.15
DiaSorin Liaison XL	28	13.256	7.1	0.22
bioMerieux, VIDAS	19	11.745	6.0	0.20
Beckman Access standard to WHO IRP96/670	17	15.815	6.6	0.32
Siemens Centaur CP	14	11.983	6.8	0.27

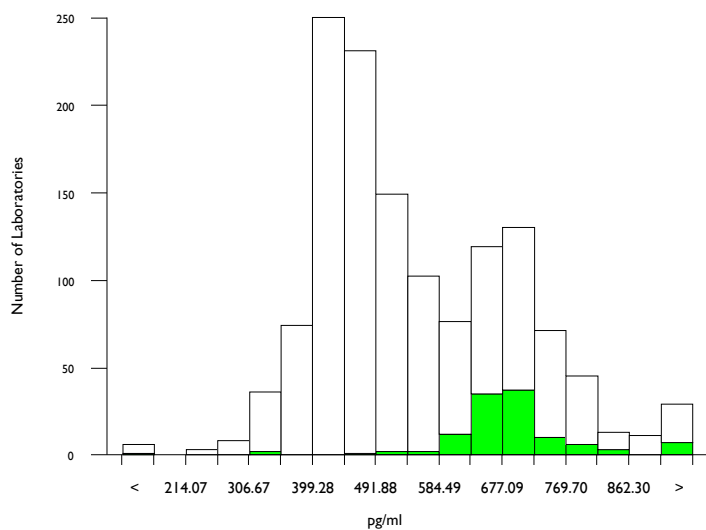


# Parathyroid hormone, pg/ml

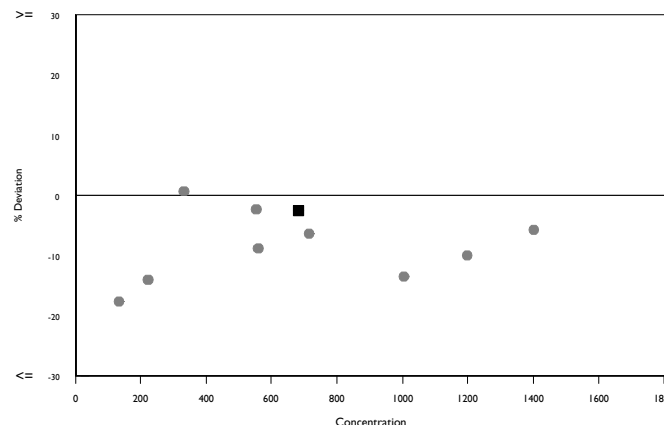
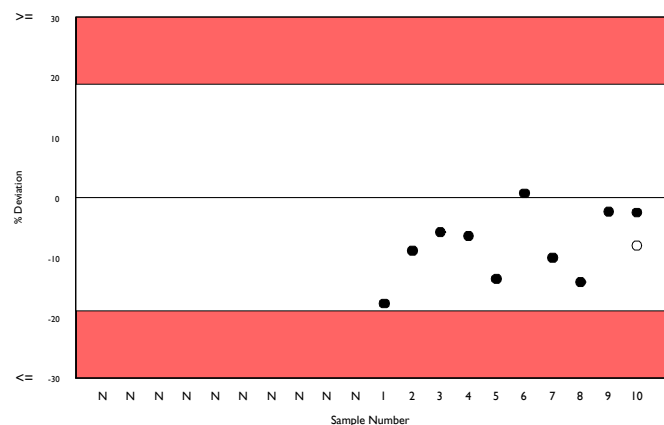
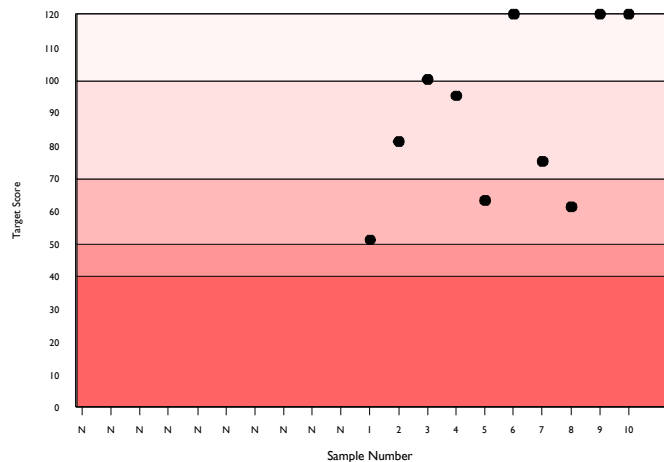
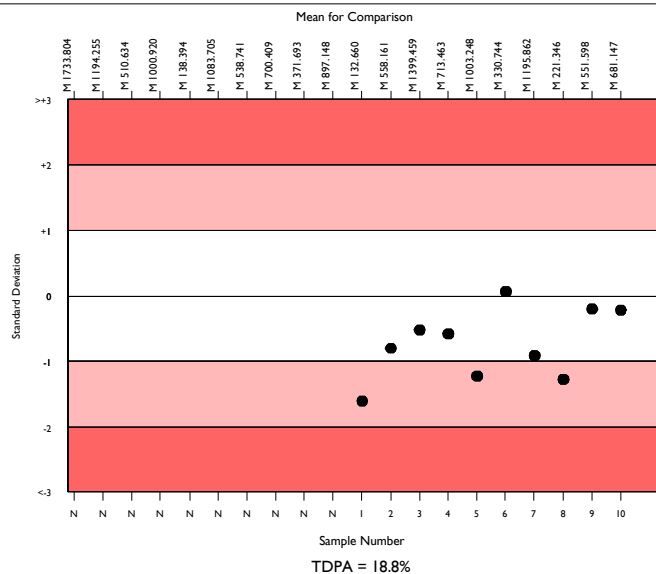
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1287	538.188	22.9	4.30	61.51	66
Abbott Architect	102	681.147	7.1	6.02	77.85	16

▲ Your Result	664.000	SDI RMSDI	-0.22 -0.73
■ Mean for Comparison	681.147	TS RMTS	120 88
		%DEV RM%DEV	-2.5 -8.0

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.80%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 4000/e411 PTH	121	484.436	6.8	3.73
Roche Cobas e601/ 602 PTH	112	444.094	6.7	3.52
Abbott Architect	102	681.147	7.1	6.02
Abbott Alinity i	107	715.733	6.3	5.48
Roche Cobas e801 PTH	91	425.422	4.2	2.34
Beckman Dxl 600/800	92	529.410	6.8	4.71
Siemens Atellica IM	51	641.477	5.7	6.43
Beckman Access/LXi725	45	538.585	7.7	7.70
Roche Cobas e601/ 602 PTH (1-84)	44	436.442	7.2	5.89
Siemens Centaur CP/XP/XPT	39	666.704	6.1	8.09
bioMerieux VIDAS PTH (1-84)	38	342.495	5.7	3.93
Roche Cobas e411 PTH (1-84)	41	462.929	7.6	6.91
Ortho Vitros 3600/5600/ECi/XT 7600	38	702.102	5.1	7.28
SNIBE Maglumi analysers	35	765.044	9.2	14.87
Roche Elecsys PTH	35	452.301	11.3	10.84
Roche Cobas 4000/e411 PTH STAT	29	481.036	6.1	6.83
Roche Cobas e601/ 602 PTH STAT	29	418.105	6.8	6.64
Siemens/DPC Immulite 2000	25	850.816	8.5	18.08
Roche Cobas e801 PTH STAT	24	429.329	3.8	4.14
Roche Cobas e801 PTH (1-84)	21	406.240	6.9	7.69
Tosoh AIA Series	21	584.279	8.8	14.08

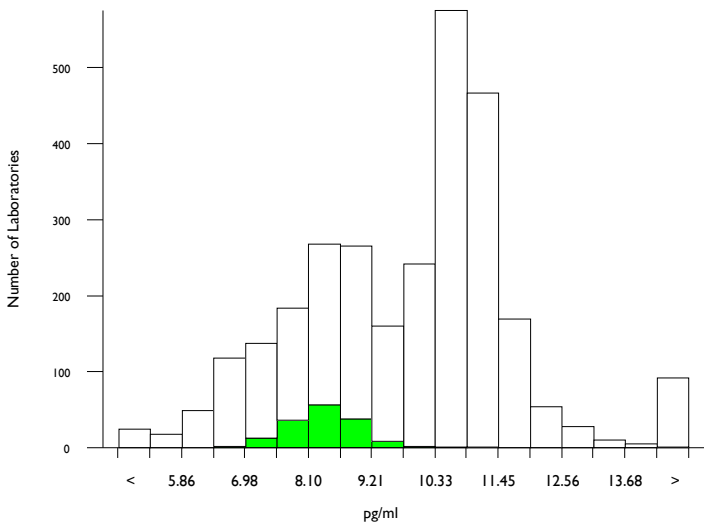


# Free T3, pg/ml

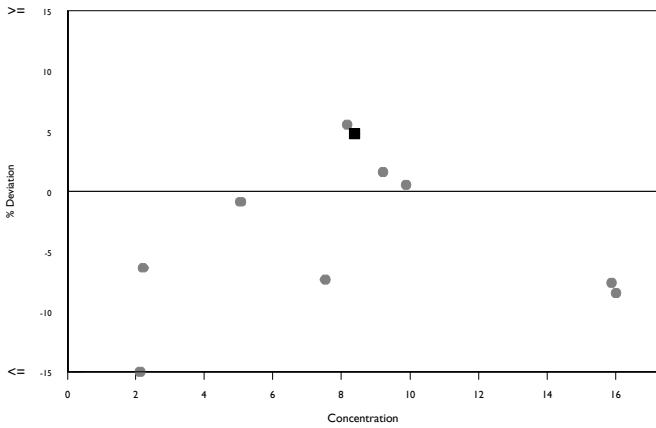
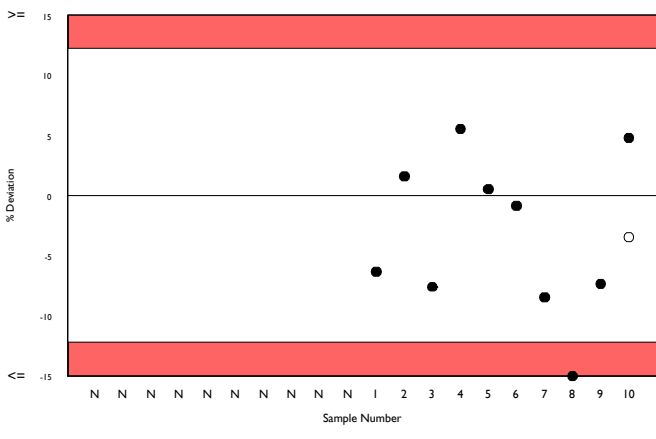
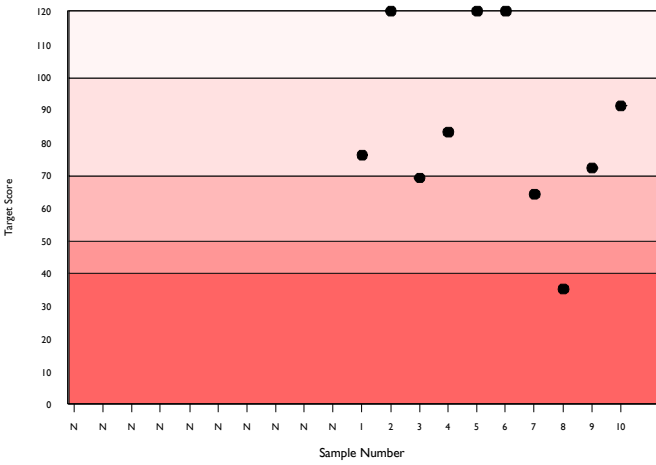
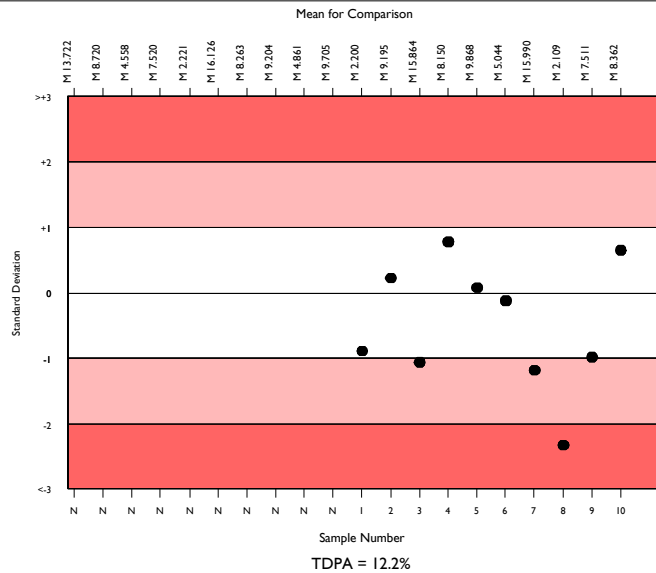
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2666	9.776	15.2	0.04	0.73	239
Abbott Architect, 6 point cal	147	8.362	6.2	0.05	0.62	13

▲ Your Result	8.760	SDI	0.64
		RMSDI	-0.49
■ Mean for Comparison	8.362	TS	91
		RMTS	85
		%DEV	4.8
		RM%DEV	-3.5

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	426	10.842	3.9	0.03
Roche Cobas 4000/e41 I	316	10.834	5.3	0.04
Roche Cobas e402/e801	289	10.823	3.4	0.03
Abbott Alinity, 6 point cal	201	8.702	5.1	0.04
Beckman Dxl 600/800	182	6.733	6.9	0.04
Abbott Architect, 6 point cal	147	8.362	6.2	0.05
Beckman Access/LXi725	141	7.477	6.1	0.05
Abbott Architect, 2 point cal	136	8.396	6.1	0.05
Siemens Atellica IM	121	11.225	3.4	0.04
Ortho Vitros 3600/5600/ECi/XT/7600	56	22.495	2.1	0.08
Siemens Centaur XP/XPT	90	10.057	4.3	0.06
SNIBE Maglumi analysers	84	9.734	6.9	0.09
BioMerieux VIDAS	62	9.577	7.2	0.11
Mindray CL 8/6/2/12/1000i Ref: FT3 IIX	61	8.659	3.7	0.05
Abbott Alinity, 2 point cal	52	8.815	4.5	0.07
Tosoh AIA Series	47	12.405	7.3	0.16
Roche Elecsys	38	10.592	5.0	0.11
DiaSorin Liaison XL	26	11.731	4.0	0.12
Siemens/DPC Immulite 2000/2500	21	7.259	11.3	0.22
Siemens Centaur CP	15	10.843	3.0	0.10
Sysmex HISCL Series	16	10.154	4.5	0.14





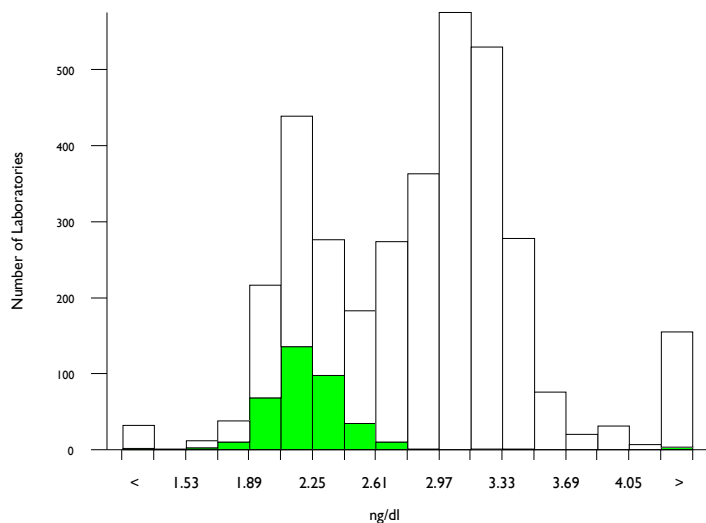
# Free T4, ng/dl

- All Methods
- Abbott Architect

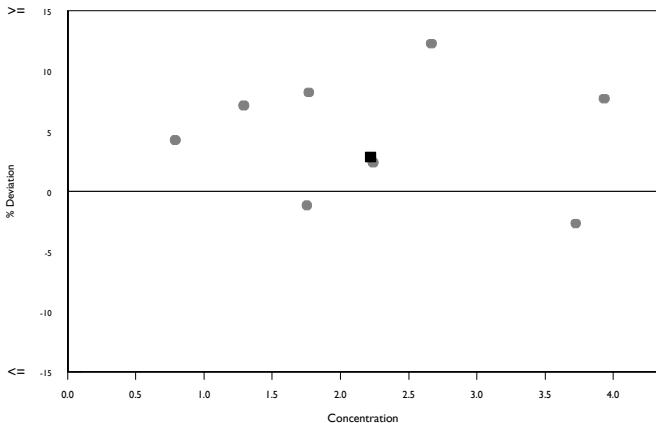
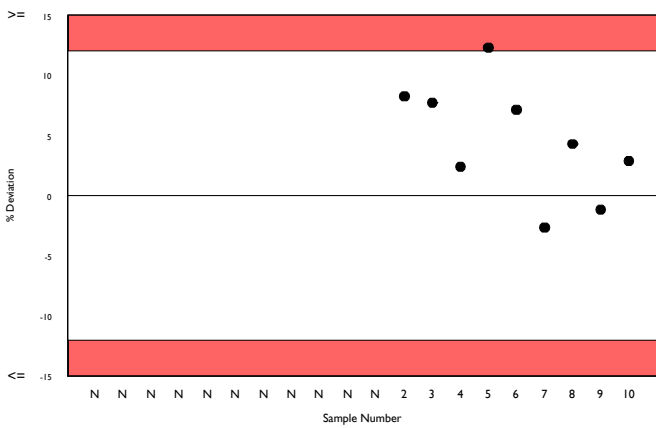
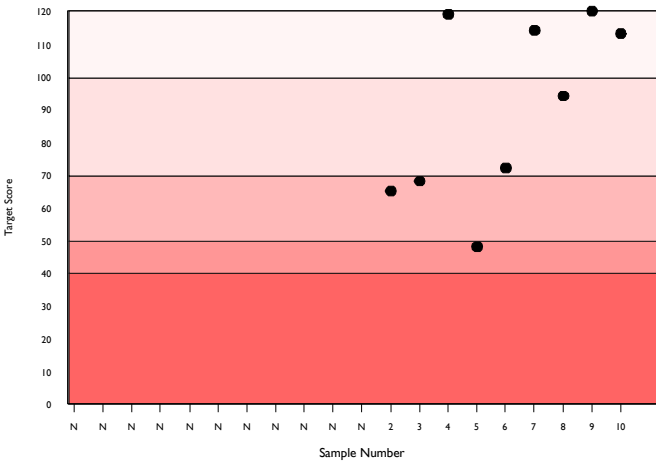
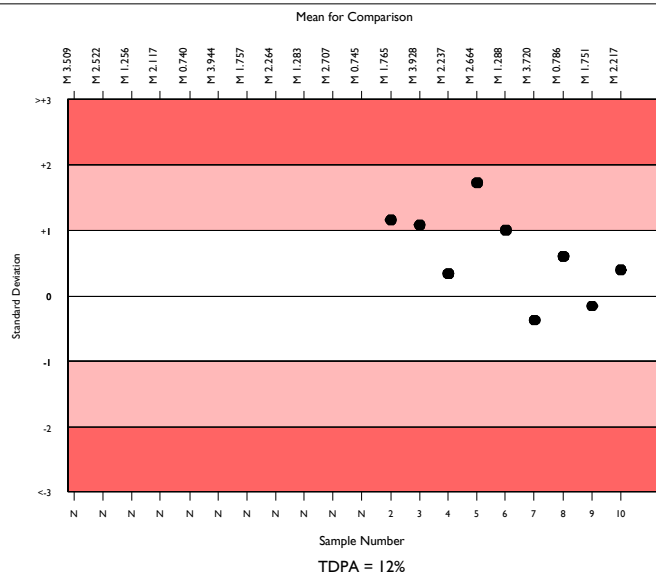
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	3263	2.795	17.1	0.01	0.20	253
Abbott Architect	342	2.217	7.3	0.01	0.16	27

<span style="color: black;">▲</span> Your Result	2.280	SDI	0.39
		RMSDI	Too Few
<span style="color: green;">■</span> Mean for Comparison	2.217	TS	113
		RMTS	Too Few
		%DEV	2.8
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	539	3.108	4.9	0.01
Roche Cobas 4000/e41 I	405	3.094	4.9	0.01
Abbott Architect	342	2.217	7.3	0.01
Roche Cobas e402/e80 I	327	3.296	3.7	0.01
Abbott Alinity i	295	2.122	6.2	0.01
Beckman Dxl 600/800	230	2.689	5.4	0.01
Beckman Access/LXi725	178	2.660	6.5	0.02
Siemens Atellica IM	127	2.220	3.4	0.01
Ortho Vitros 3600/5600/ECi/XT/7600	103	6.699	3.4	0.03
SNIBE Maglumi analysers	93	3.393	5.4	0.02
Siemens Centaur XP/XPT	102	2.142	5.0	0.01
Mindray CL B/6/2/12/11000i Ref: FT4 I I X	73	2.860	4.7	0.02
Tosoh AIA Series	56	2.901	5.7	0.03
bioMerieux, VIDAS-FT4N Kit	55	3.433	4.7	0.03
Roche Elecsys	45	3.106	4.6	0.03
Siemens/DPC Immulite 2000/2500	38	3.251	4.8	0.03
DiaSorin Liaison XL	31	3.965	4.7	0.04
Siemens Centaur CP	20	2.288	6.4	0.04
Siemens/DPC Immulite 1000	14	3.200	5.6	0.06
Immunotech RIA	15	1.976	6.6	0.04
Sysmex HISCL Series	17	3.178	6.2	0.06

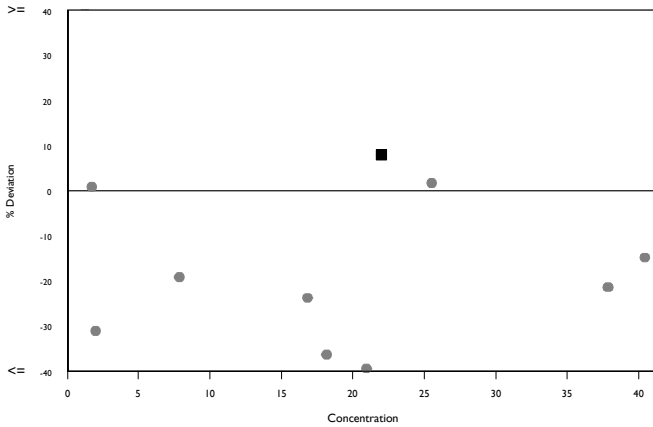
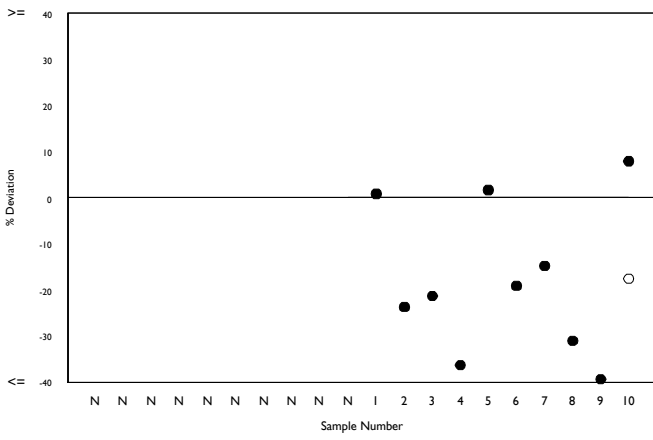
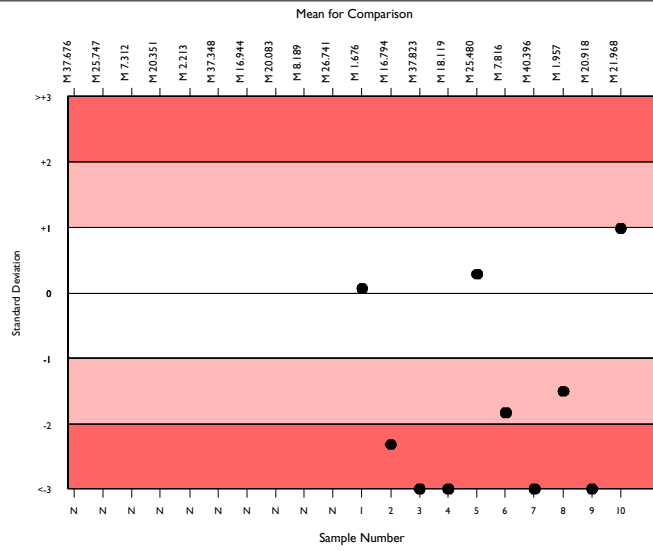
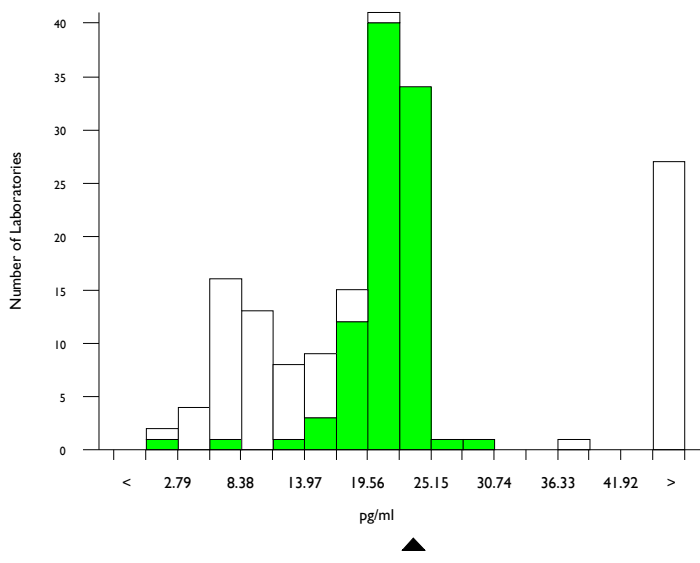


# Free Testosterone (Pilot), pg/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	140	18.403	47.7	0.93	8.77	32
SNIBE Maglumi analysers	85	21.968	8.1	0.24	1.78	9

▲ Your Result	23.700	SDI	0.98
		RMSDI	-2.11
■ Mean for Comparison	21.968	TS	N/A
		RMTS	N/A
		%DEV	7.9
		RM%DEV	-17.5

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



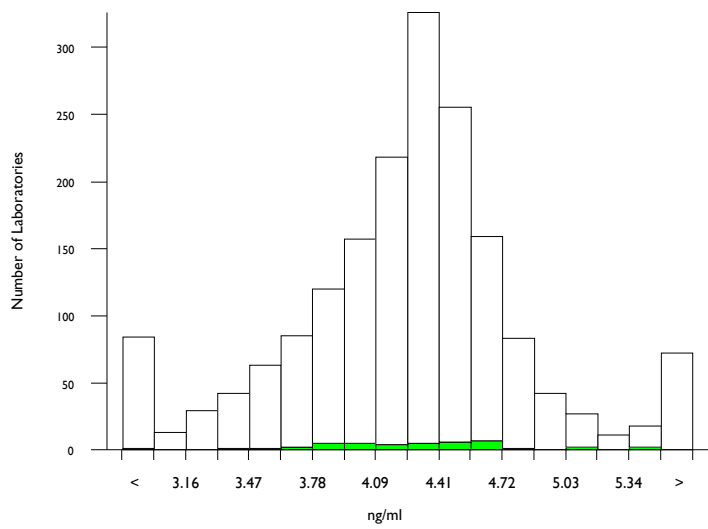
Method	N	Mean	CV%	U <sub>m</sub>
SNIBE Maglumi analysers	85	21.968	8.1	0.24
Calculated	12	104.170	10.9	4.11
ELISA	7	9.774	26.2	1.21
IDS Free Testosterone	6	10.670	13.1	0.71
Diametra ELISA	5	12.336	35.1	2.42
DRG ELISA	5	10.013	38.3	2.14
Roche Cobas 4000/e411	5	114.633	14.6	9.37
Roche Cobas 6000/8000	5	114.070	12.0	7.63
DIAsource, RIA	5	6.756	20.4	0.77
Monobind Inc. ELISA / CLIA	4	9.163	45.4	2.60
Immunotech RIA	3	7.793	6.6	0.37
Novatec ELISA	2	7.882	31.4	2.19
Abbott Alinity i	2	108.112	21.2	20.23
CDG Q-Strip	2	11.000	11.6	1.12
IBL ELISA	2	12.235	39.5	4.27

# Testosterone, ng/ml

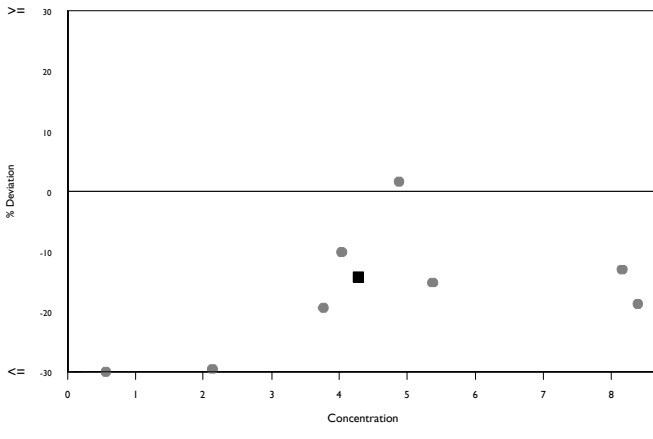
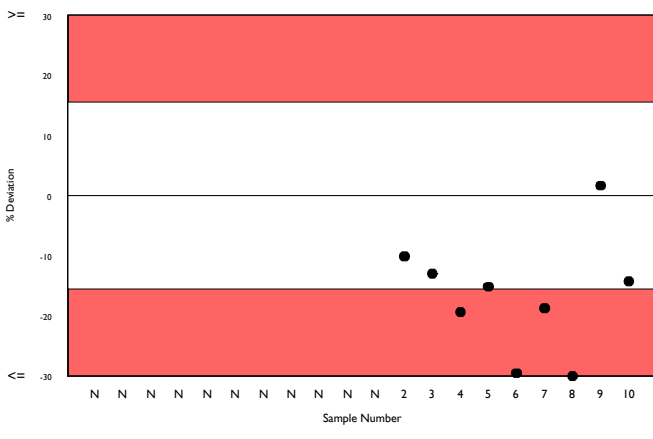
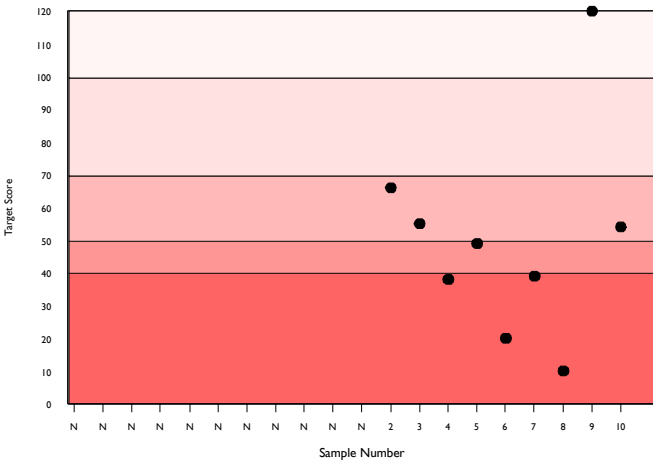
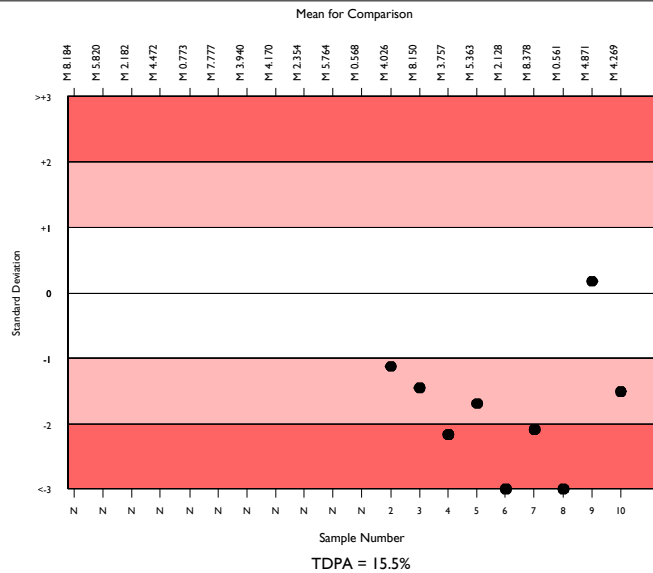
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1634	4.255	9.8	0.01	0.40	173
Abbott Architect 2nd gen	39	4.269	9.1	0.08	0.40	4

▲ Your Result	3.660	SDI RMSDI	-1.51 Too Few
■ Mean for Comparison	4.269	TS RMTS	54 Too Few
		%DEV RM%DEV	-14.3 Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.50%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 4000/e411 Test II	234	4.437	4.7	0.02
Roche Cobas e601/ 602 Test II	233	4.461	5.1	0.02
Abbott Alinity i	152	4.291	5.9	0.03
Roche Cobas e801 Test II	149	4.325	3.7	0.02
Abbott Architect	111	4.369	7.3	0.04
Beckman Dxl 600/800	104	3.600	5.7	0.03
Beckman Access/LXi725	72	3.911	7.1	0.04
Siemens Atellica IM	79	4.298	7.3	0.04
SNIBE Maglumi analysers	71	3.044	12.5	0.06
Ortho Vitros 3600/5600/ECi/XT 7600	50	4.366	4.1	0.03
bioMerieux, VIDAS	45	3.927	7.3	0.05
bioMerieux VIDAS Testosterone II	44	3.966	7.0	0.05
Abbott Architect 2nd gen	39	4.269	9.1	0.08
Mindray CL 8000i/6000i/2000i/1200i/1000i	37	5.843	5.9	0.07
Siemens/DPC Immulite 2000/2500	37	4.016	8.3	0.07
Roche Elecsys Test II	31	4.355	4.4	0.04
Siemens Centaur XP/XPT TSTII	30	3.983	6.8	0.06
Tosoh AIA Series	21	4.703	8.7	0.11
Siemens Centaur XP/XPT TSTO	20	4.139	5.4	0.06
DiaSorin Liaison XL	12	2.154	13.0	0.10
Tosoh AIA-CL Series	8	5.366	4.2	0.10

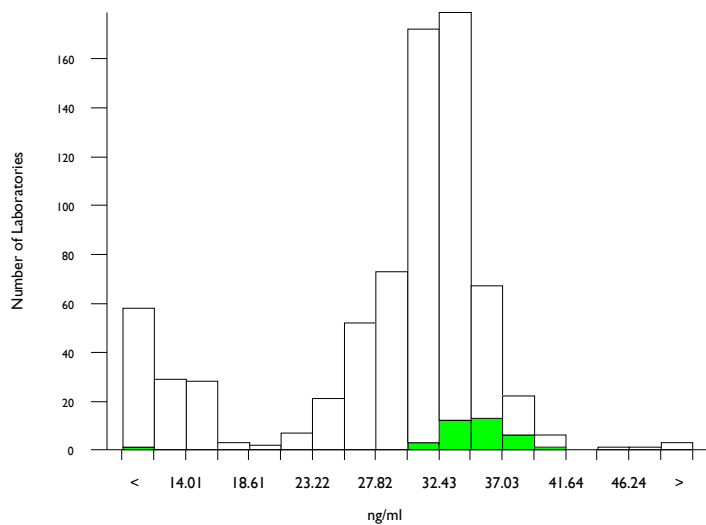


# Thyroglobulin, ng/ml

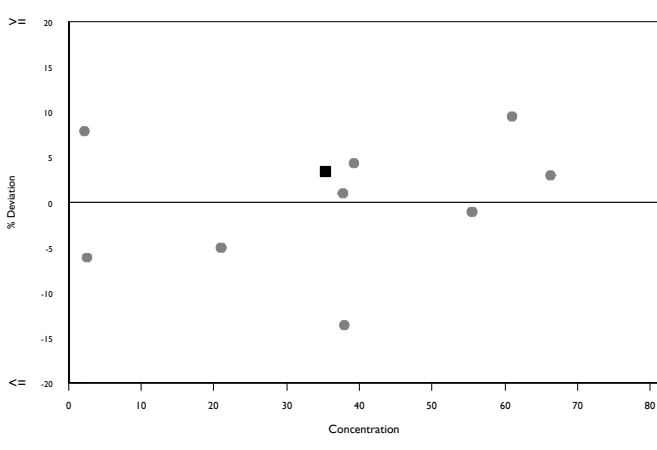
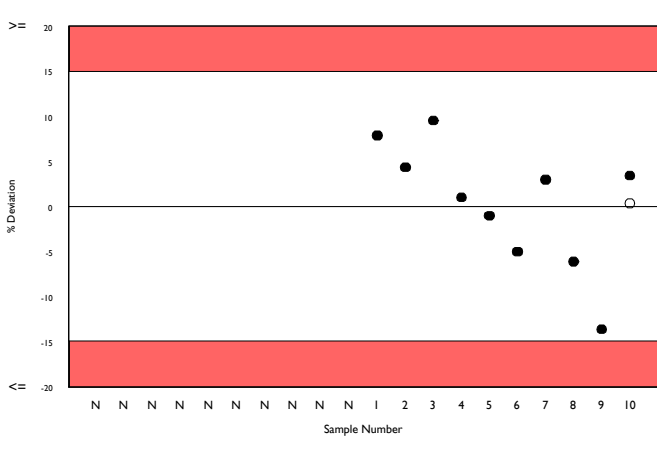
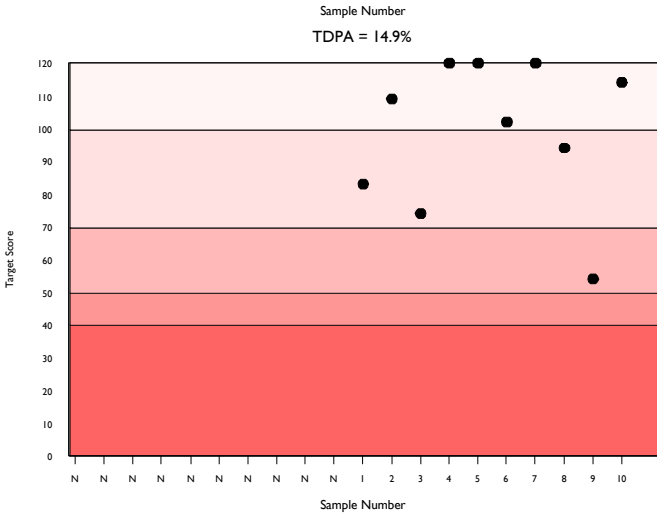
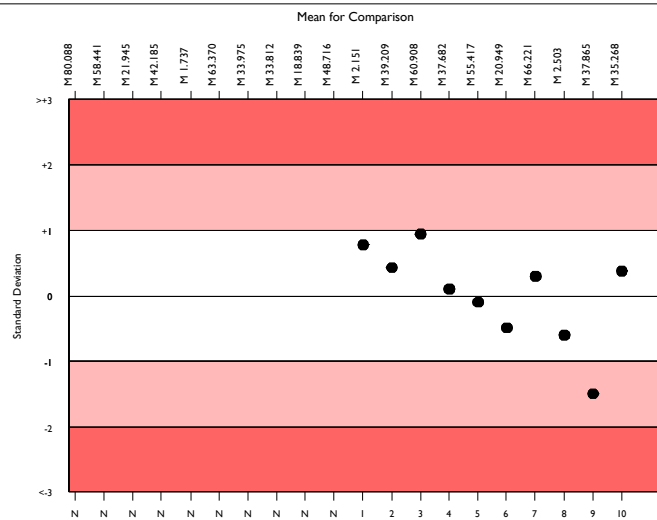
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	664	30.130	20.4	0.30	2.73	60
Abbott Architect	34	35.268	6.0	0.46	3.19	2

▲ Your Result	36.470	SDI	0.38
		RMSDI	0.02
■ Mean for Comparison	35.268	TS	114
		RMTS	99
		%DEV	3.4
		RM%DEV	0.3

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/602 Tg II	85	33.040	4.1	0.18
Roche Cobas e801 Tg II	70	32.231	3.8	0.18
Roche Cobas 4000/e41 I	60	32.269	5.3	0.27
Siemens Immulite 2000/2500	55	13.737	10.0	0.23
Beckman Dxl 600/800	51	28.523	5.4	0.27
Roche Cobas 4000/e41 I TgII	38	32.139	5.8	0.38
Roche Cobas e601/602	39	32.868	5.1	0.34
Abbott Alinity i	35	33.825	4.2	0.30
Abbott Architect	34	35.268	6.0	0.46
Beckman Access	31	29.582	8.3	0.55
SNIBE Maglumi analysers	24	2.656	21.2	0.14
Roche Elecsys Tg II	17	31.333	7.8	0.74
DiaSorin, Liaison XL TG II Gen	14	34.802	8.2	0.96
Siemens Atellica IM	12	26.737	4.1	0.40
Mindray CL 8000i/6000i/2000i/1200i/1000i	13	8.515	10.6	0.31
DiaSorin Liaison XL	10	32.759	7.3	0.95
Tosoh AIA Series	9	34.400	9.3	1.33
Beckman IRMA	7	24.751	6.2	0.73
Roche Elecsys	6	32.198	2.7	0.45
Tosoh AIA-CL Series	6	27.267	3.6	0.50
Siemens Immulite 1000	5	15.060	6.2	0.53

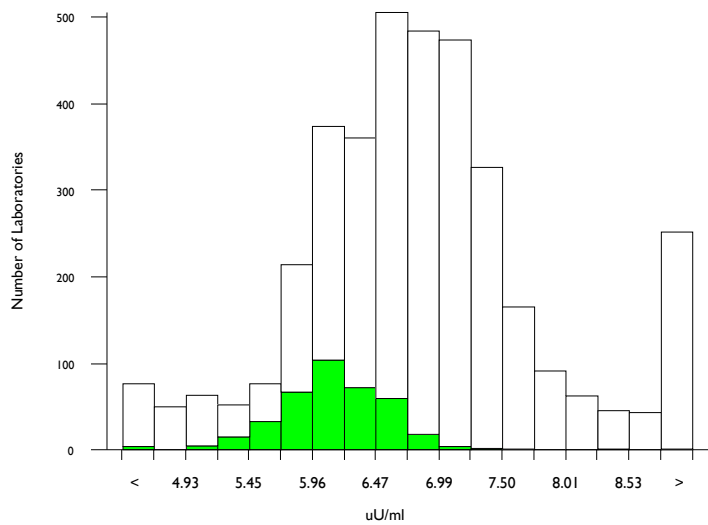


# TSH, uU/ml

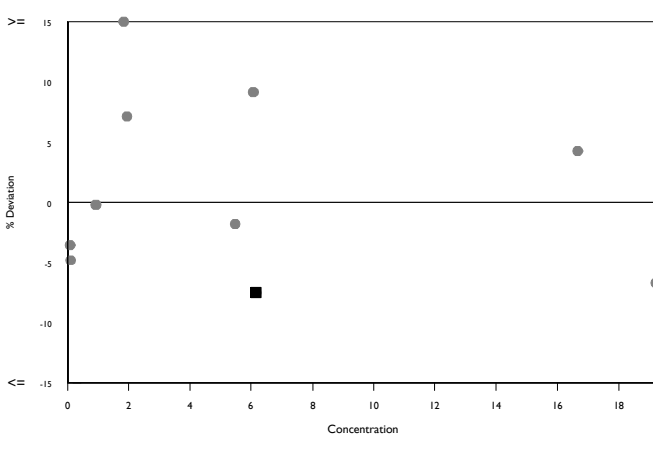
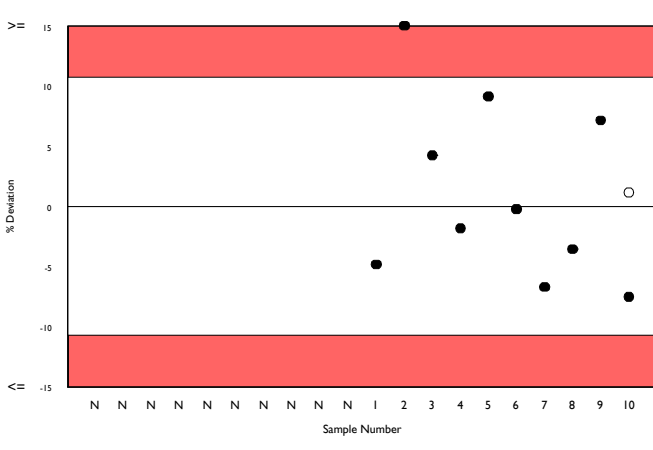
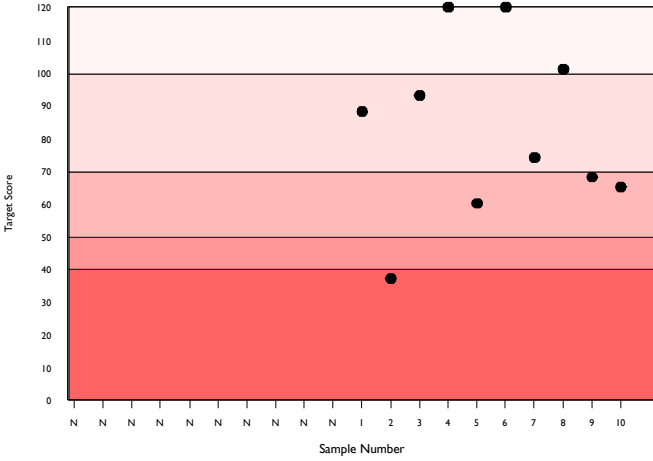
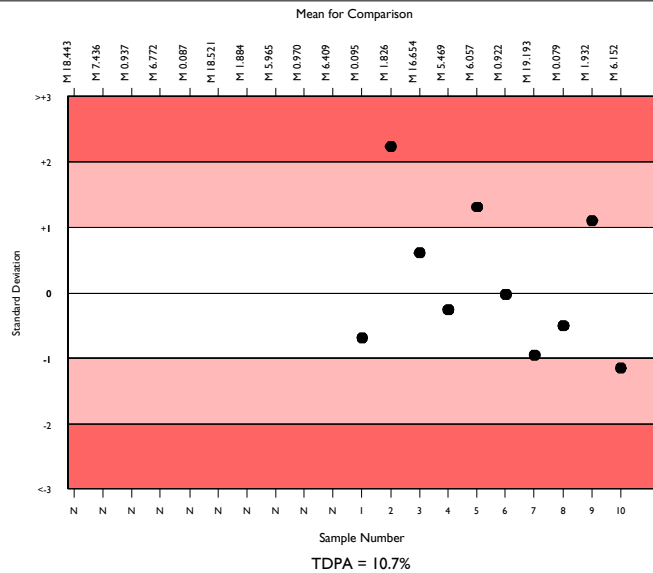
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	3308	6.735	10.2	0.01	0.44	400
Abbott Architect	363	6.152	5.8	0.02	0.40	23

▲ Your Result	5.690	SDI RMSDI	-1.16 0.16
■ Mean for Comparison	6.152	TS RMTS	65 82
		%DEV RM%DEV	-7.5 1.2

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.70%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas e601/ 602	541	7.060	3.4	0.01
Roche Cobas 4000/e41 I	423	7.063	4.9	0.02
Abbott Architect	363	6.152	5.8	0.02
Roche Cobas e402/e80 I	339	6.688	2.9	0.01
Abbott Alinity i	310	6.104	3.3	0.01
Beckman DXI600/800/ Access 2 (3rd IS)	272	6.429	5.3	0.03
Siemens Atellica IM	140	7.471	4.4	0.03
SNIBE Maglumi analysers	118	4.898	5.2	0.03
Access/LXi725 hyper TSH 3rd gen	78	6.559	5.0	0.05
Mindray CL 8i/6/2/12/11000i Ref: TSH I1X	80	8.965	5.8	0.07
Ortho Vitros 3600/5600/ECI/XT 7600	76	8.537	8.2	0.10
Tosoh AIA Series	64	8.995	8.3	0.12
bioMerieux, VIDAS, TSH	54	5.534	7.2	0.07
Siemens Centaur XP TSH3-Ultra	54	7.427	4.6	0.06
Siemens Centaur XP/XPT	47	7.376	5.7	0.08
Roche Elecsys	41	6.957	3.5	0.05
Ortho Vitros TSH3	41	8.020	4.1	0.06
DiaSorin Liaison XL	36	12.509	3.8	0.10
Siemens/DPC Immulite 2000/2500	35	6.885	10.0	0.15
Beckman Dxl 600/800 1st generation	31	6.317	3.4	0.05
Beckman Dxl 600/800 Hyper TSH	24	6.321	3.6	0.06

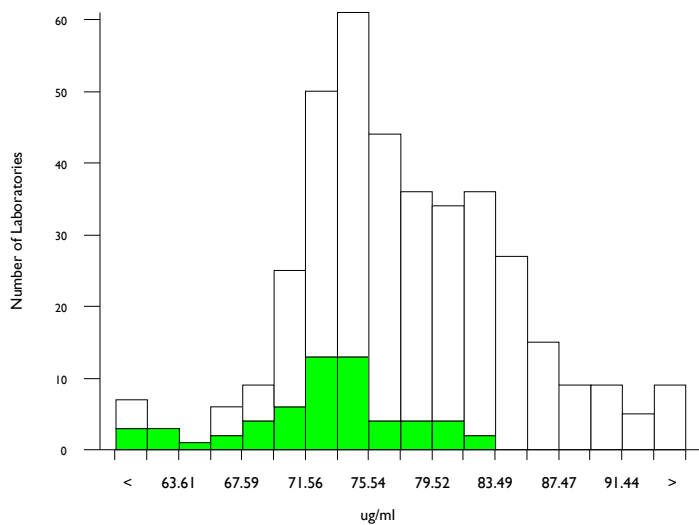


# Valproic acid, ug/ml

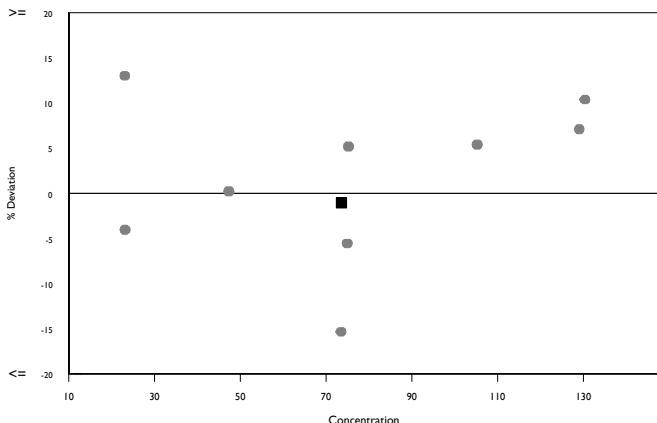
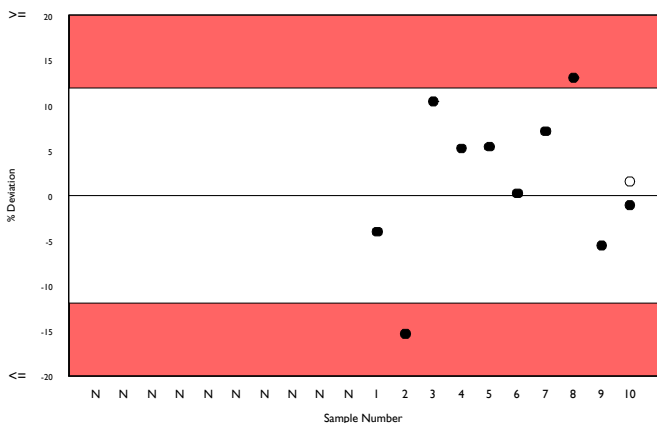
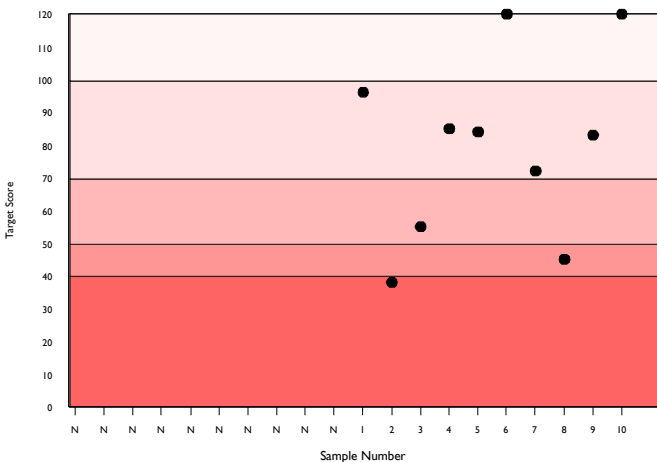
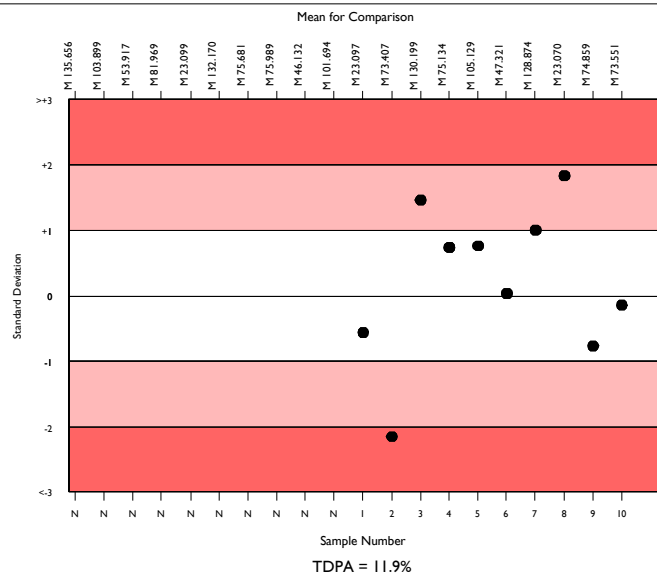
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	357	77.533	6.8	0.35	5.61	30
Abbott Architect (CMIA)	51	73.551	4.9	0.63	5.32	8

▲ Your Result	72.760	SDI RMSDI	-0.15 0.22
■ Mean for Comparison	73.551	TS RMTS	120 79
		%DEV RM%DEV	-1.1 1.5

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.90%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	89	76.657	5.9	0.60
Abbott Architect (CMIA)	51	73.551	4.9	0.63
Abbott Alinity (PETINA)	48	74.786	3.0	0.40
Siemens Atellica CH	26	82.594	2.6	0.52
Beckman AU Instruments	23	82.513	5.0	1.07
Roche Integra	16	75.067	6.1	1.44
Abbott Alinity (CMIA)	13	74.781	2.5	0.66
Siemens/DPC Immulite 2000/2500	15	80.007	6.3	1.63
Siemens Centaur XP/XPT	9	83.333	3.5	1.23
Siemens Dimension	9	76.205	7.1	2.25
Abbott Architect (PETINIA)	6	79.760	5.6	2.27
EMIT	6	83.500	2.5	1.09
Ortho Vitros 4600/5600/5.1/XT 7600	6	80.367	5.0	2.04
Siemens Advia 1200/1650/1800/2400	5	85.234	10.0	4.76
Beckman DxC	5	80.998	8.8	3.97
Roche Cobas 4000/c311	5	76.760	9.1	3.89
Siemens Centaur CP	4	88.325	8.6	4.73
Siemens/DPC Immulite 1000	4	89.989	8.7	4.89
ELISA	3	75.727	1.9	1.02
Siemens Syva/Emit	2	89.997	12.6	10.00
GC/MS	2	71.950	0.1	0.06

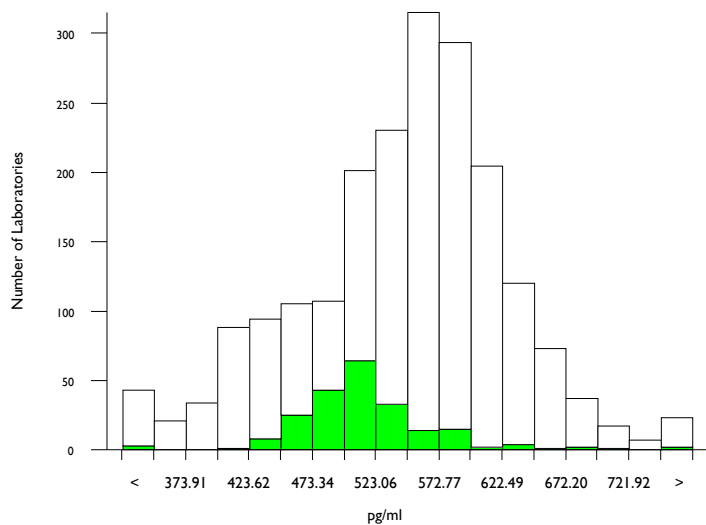


# Vitamin B12, pg/ml

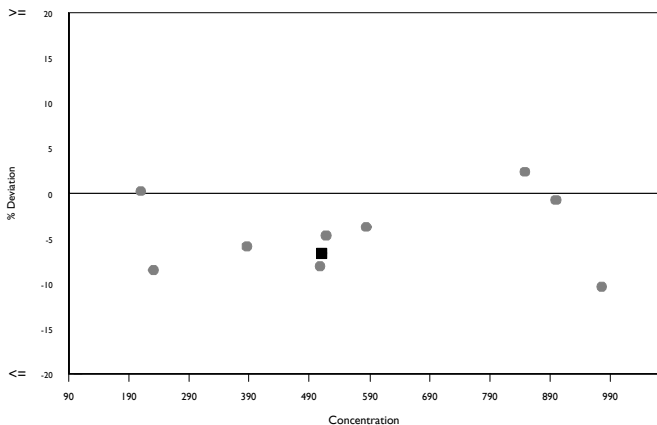
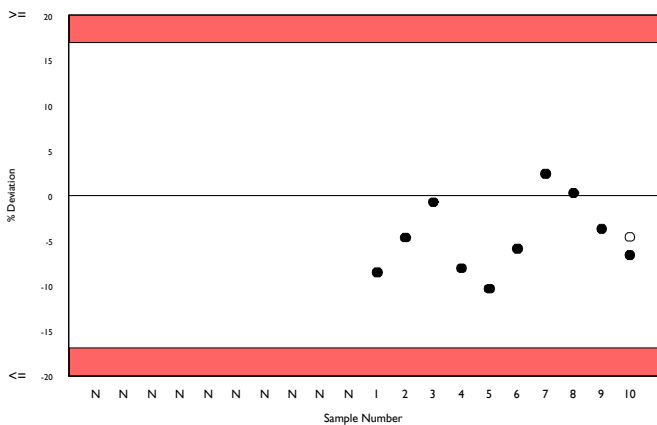
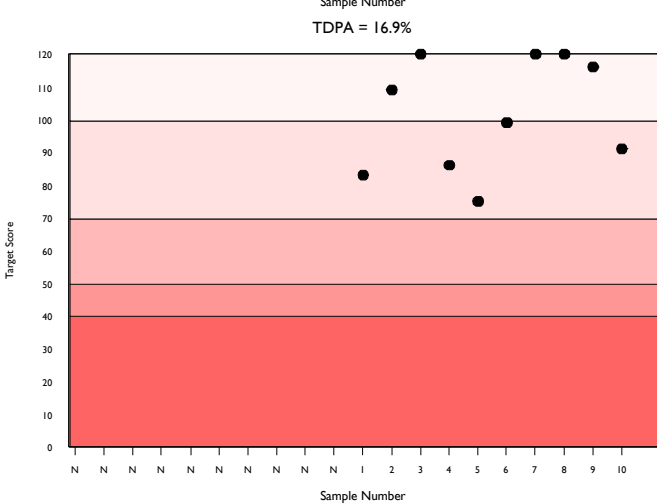
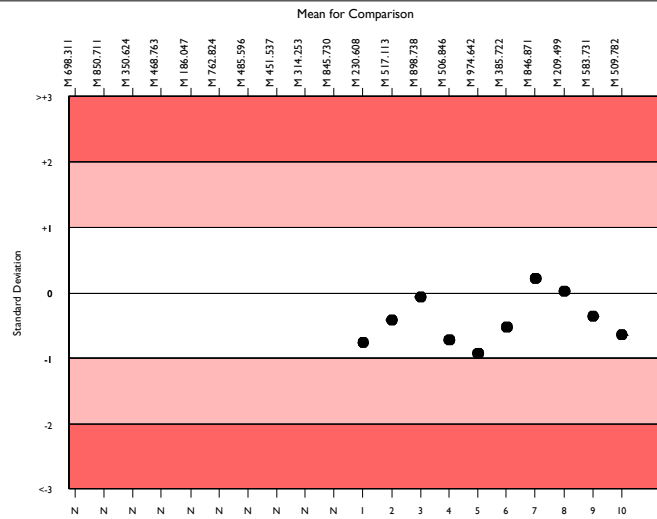
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1873	547.919	12.1	1.91	56.30	139
Abbott Architect	201	509.782	7.1	3.19	52.38	17

▲ Your Result	476.000	SDI	-0.64
		RMSDI	-0.42
■ Mean for Comparison	509.782	TS	91
		RMTS	101
		%DEV	-6.6
		RM%DEV	-4.6

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 4000/e411 Gen II	267	603.485	7.5	3.48
Roche Cobas e601/602 Gen II	253	591.219	4.6	2.15
Roche Cobas e801 Gen II	213	562.565	4.6	2.20
Abbott Architect	201	509.782	7.1	3.19
Abbott Alinity i	179	550.171	6.3	3.24
Beckman Dxl 600/800	139	425.859	6.3	2.85
Beckman Access/LXi725	88	433.562	7.5	4.36
Siemens Atellica IM lot 13290	80	567.834	6.4	5.09
Siemens Centaur XP/XPT	76	558.187	6.5	5.18
Ortho Vitros 3600/5600/ECi/XT 7600	76	514.248	5.0	3.69
SNIBE Maglumi analysers	66	357.288	25.2	13.85
Mindray CL 8000i/6000i/2000i/1200i/1000i	49	595.151	5.8	6.19
Roche Elecsys	30	591.546	6.1	8.29
Siemens/DPC Immulite 2000	32	541.774	11.0	13.13
Tosoh AIA Series	21	677.878	4.2	7.72
DiaSorin Liaison XL	17	487.817	10.5	15.60
Siemens Dimension	10	471.050	5.6	10.36
Mindray CL 900i	9	599.477	4.6	11.55
Siemens Centaur CP	7	578.304	10.8	29.53
Tosoh AIA-CL Series	5	576.120	1.0	3.31
Lifotronic eCL	5	655.300	7.1	26.14

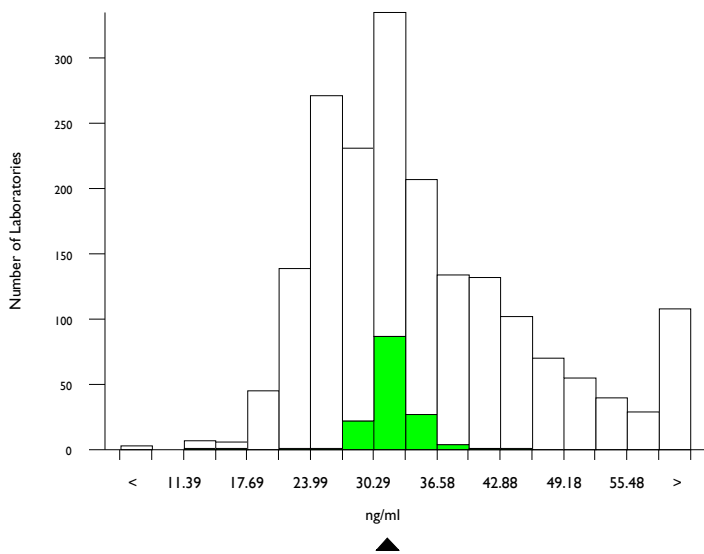


# 25-OH-Vitamin D, ng/ml

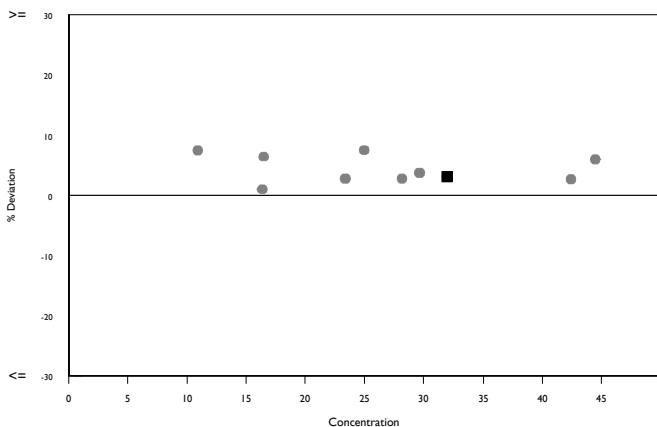
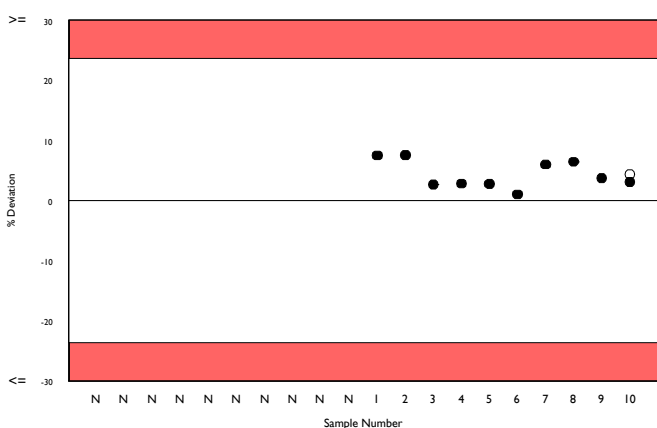
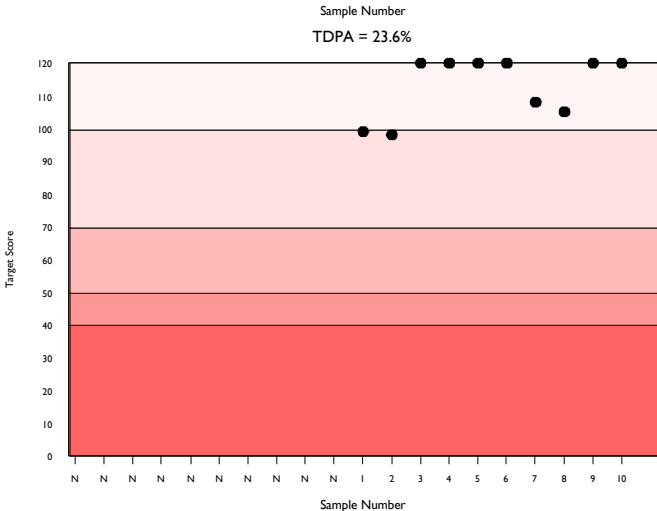
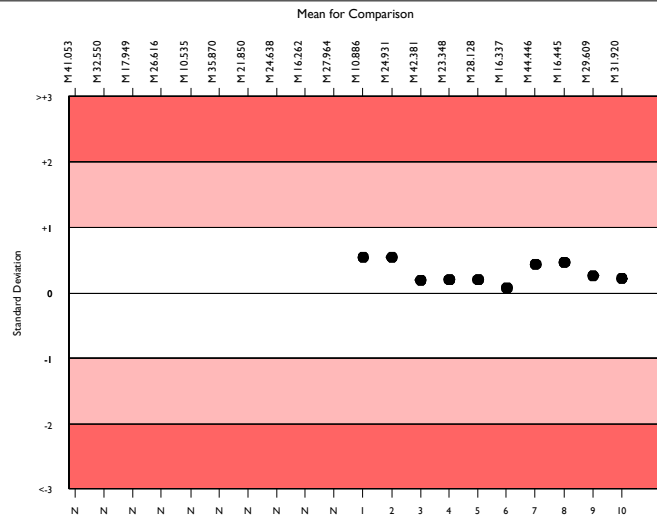
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1773	33.441	25.1	0.25	4.80	141
Abbott Architect (5P02)	133	31.920	4.8	0.16	4.58	13

▲ Your Result	32.900	SDI	0.21
		RMSDI	0.31
■ Mean for Comparison	31.920	TS	120
		RMTS	113
		%DEV	3.1
		RM%DEV	4.3

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.60%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Alinity i	172	32.800	4.8	0.15
Roche Vitamin D Total III	172	25.821	11.5	0.28
Roche Vitamin D Total	159	25.387	13.6	0.34
Abbott Architect (5P02)	133	31.920	4.8	0.16
Roche Vitamin D Total II	121	26.019	10.6	0.31
Roche Vitamin D Total II e801	120	26.239	9.5	0.28
SNIBE Maglumi Analyser	106	50.264	18.7	1.14
bioMerieux Vidas/mini Vidas/Vidas 3	79	36.429	4.5	0.23
Beckman Access 25 OH Vitamin D Total	77	44.369	12.1	0.77
Beckman Dxl 600/800	71	47.157	9.1	0.64
Roche Vitamin D Total III e402/e801	69	26.511	7.2	0.29
Ortho Vitros 3600/5600/ECi/XT 7600	68	69.779	7.3	0.77
Siemens Atellica IM	68	43.325	7.8	0.51
Abbott Architect (3L52)	65	31.754	3.8	0.19
DiaSorin Liaison XL	63	36.907	8.9	0.52
Siemens Centaur XP/XPT	53	43.541	11.5	0.86
Mindray CL 8000i/6000i/2000i/1200i/1000i	44	41.831	9.5	0.75
Tosoh AIA Series	23	37.885	9.3	0.92
DiaSorin Liaison	18	41.343	17.6	2.14
Mindray CL 900i	10	41.566	9.3	1.53
Shenzhen YHLO iFlash Series	10	35.799	13.1	1.86





Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
AFP	97.682	96.180	-0.19	0.15	-1.5	1.2	120	101	
Beta-2-Microglobulin	3.814	3.980	0.53	0.21	4.3	1.8	99	109	
CA 125	131.548	138.300	0.72	-0.20	5.1	-1.8	86	83	
CA 15-3	55.309	60.300	1.06	0.32	9.0	3.0	69	78	
CA 19-9	111.865	120.500	0.82	-0.37	7.7	-4.1	80	89	
Carbamazepine	9.987	9.700	-0.34	-0.83	-2.9	-6.9	119	70	
CEA	32.804	33.690	0.40	-0.31	2.7	-2.1	111	90	
Cortisol	20.248	21.200	0.60	-0.01	4.7	-0.1	93	110	
DHEA-S	282.459	283.000	0.02	-0.23	0.2	-1.9	120	107	
Ferritin	207.133	204.430	-0.16	0.39	-1.3	3.3	120	95	
Folate	5.339	5.100	-0.33	0.33	-4.5	4.6	119	102	
FSH	38.867	33.270	<b>-2.04</b>	-0.52	<b>-14.4</b>	-3.6	<b>41</b>	83	▲
hCG	239.164	212.210	-1.47	0.06	-11.3	0.5	55	83	
IgE	351.666	275.400	<b>-2.58</b>	-0.52	<b>-21.7</b>	-4.4	<b>30</b>	67	▲
Insulin	13.110	13.700	0.47	0.44	4.5	4.3	104	101	
LH	28.441	25.140	-1.58	-1.22	-11.6	-8.8	52	47	
Oestradiol	462.770	493.260	0.83	-0.04	6.6	-0.3	79	91	
Progesterone	20.658	21.530	0.45	-0.49	4.2	-4.7	106	89	
Prolactin	36.185	31.700	-1.61	Too Few	-12.4	Too Few	51	Too Few	
PSA, Free	13.261	13.440	0.18	-0.45	1.3	-3.4	120	100	
PSA, Total	10.548	10.290	-0.34	-0.18	-2.4	-1.3	118	114	
Parathyroid hormone	681.147	664.000	-0.22	-0.73	-2.5	-8.0	120	88	
Free T3	8.362	8.760	0.64	-0.49	4.8	-3.5	91	85	
Free T4	2.217	2.280	0.39	Too Few	2.8	Too Few	113	Too Few	
Free Testosterone (Pilot)	21.968	23.700	0.98	-2.11	7.9	-17.5	N/A	N/A	
Testosterone	4.269	3.660	-1.51	Too Few	-14.3	Too Few	54	Too Few	
Thyroglobulin	35.268	36.470	0.38	0.02	3.4	0.3	114	99	
TSH	6.152	5.690	-1.16	0.16	-7.5	1.2	65	82	
Valproic acid	73.551	72.760	-0.15	0.22	-1.1	1.5	120	79	
Vitamin B12	509.782	476.000	-0.64	-0.42	-6.6	-4.6	91	101	
25-OH-Vitamin D	31.920	32.900	0.21	0.31	3.1	4.3	120	113	

ORMSDI -0.23

ORM%DEV -1.8

ORMTS 91

END OF REPORT