

Proteus Laboratories

- ① PSA → wrong values entered on RQAS system.
see raw data.
- ② Problem is an issue → Root cause to be
done with RQAS. see Email.

MONTHLY IMMUNOASSAY

CYCLE 18 SAMPLE 12

*Litzky***Explanation of codes used in this report**

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

Authorised by: Stephen Doherty, RIQAS Manager

Issue No: 1

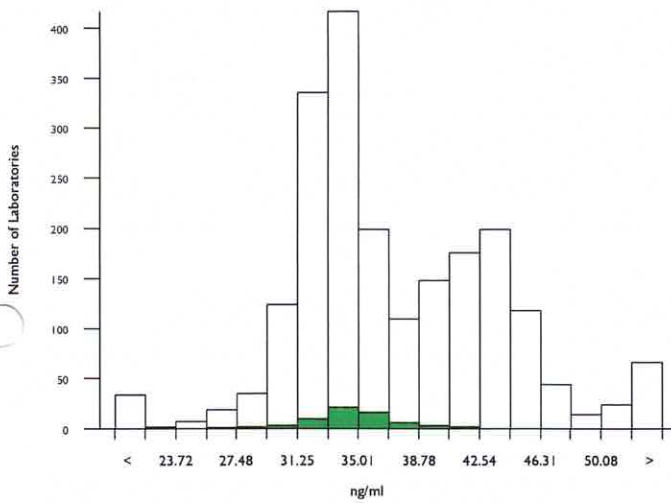
Issue Date: 31/12/2020

CEA, ng/ml

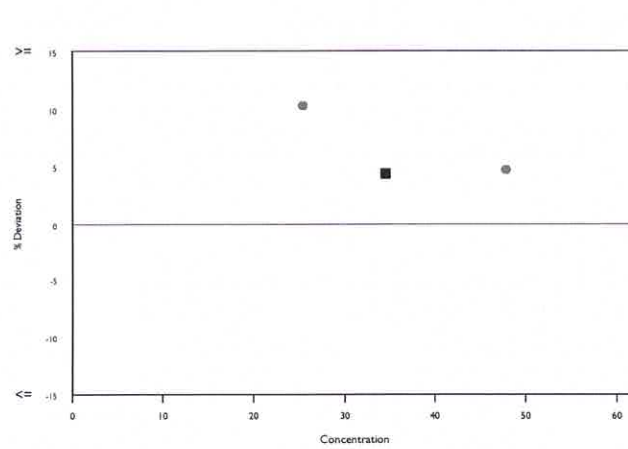
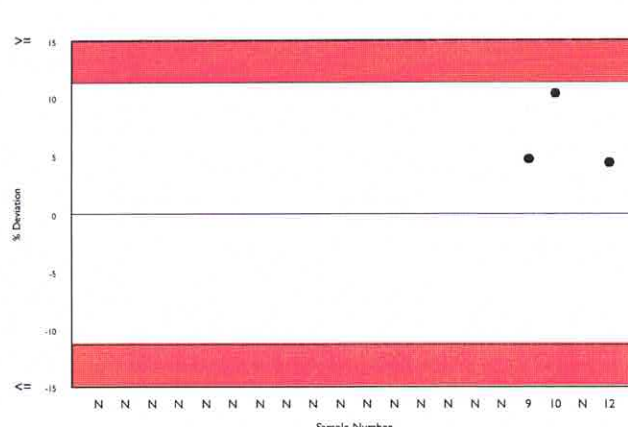
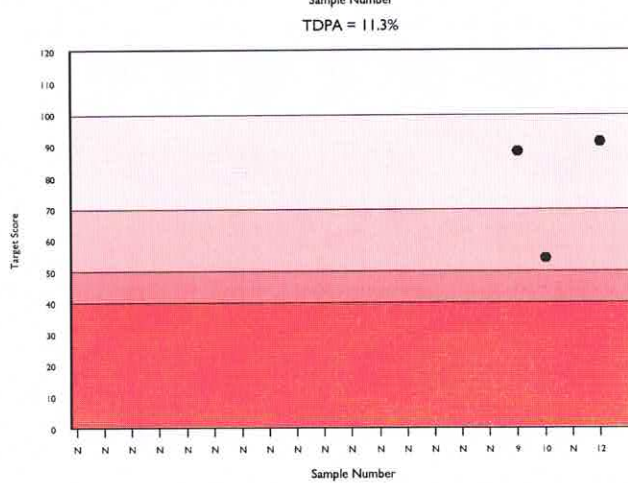
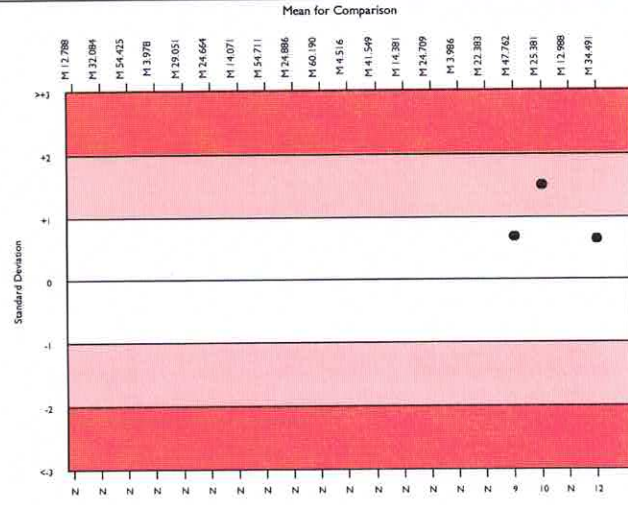
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1928	36.901	13.6	0.14	2.54	138
Beckman Access/LXi725	56	34.491	5.0	0.29	2.37	8

▲ Your Result	36.000	SDI	0.64
		RMSDI	Too Few
■ Mean for Comparison	34.491	TS	91
		RMTS	Too Few
		%DEV	4.4
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602	367	33.123	3.9	0.08
Abbott Architect	318	43.235	4.6	0.14
Roche Cobas 4000/e411	219	34.129	6.0	0.17
Beckman Dxl 600/800	171	33.246	7.4	0.23
Siemens Centaur XP/XPT/Classic	130	40.691	5.8	0.26
Roche Cobas e801	115	33.189	3.6	0.14
Abbott Alinity i	82	43.459	3.4	0.20
bioMerieux, VIDAS	60	38.035	7.6	0.47
Beckman Access/LXi725	56	34.491	5.0	0.29
Siemens Atellica IM	51	39.663	4.8	0.33
Siemens/DPC Immulite 2000/2500	42	51.097	6.0	0.59
Ortho Vitros 3600/5600/ECI/XT 7600	40	42.016	4.7	0.39
Roche Elecsys	32	32.958	4.8	0.35
Tosoh AIA Series	27	53.375	6.2	0.80
SNIBE Maglumi analysers	28	32.049	5.6	0.42
DiaSorin Liaison XL	24	36.688	4.7	0.44
Siemens Centaur CP	23	40.148	8.8	0.92
CIS, RIA Coated tube	18	34.179	3.1	0.32
Mindray CL-Series	15	25.758	9.3	0.78
Siemens/DPC Immulite 1000	14	55.057	4.0	0.73
Siemens Dimension	7	35.767	2.8	0.47

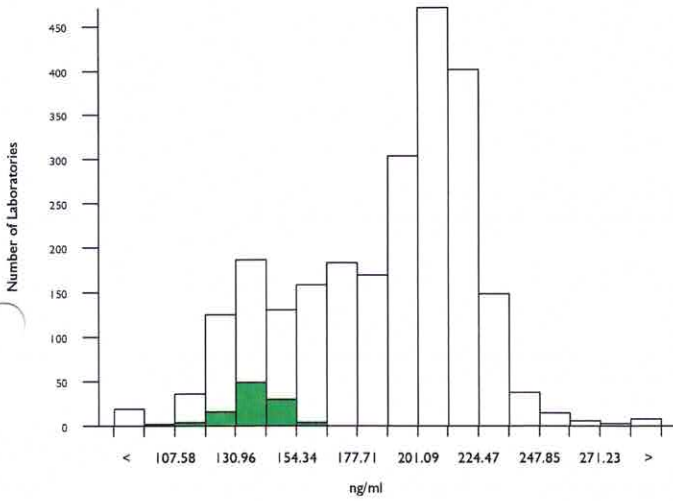


Ferritin, ng/ml

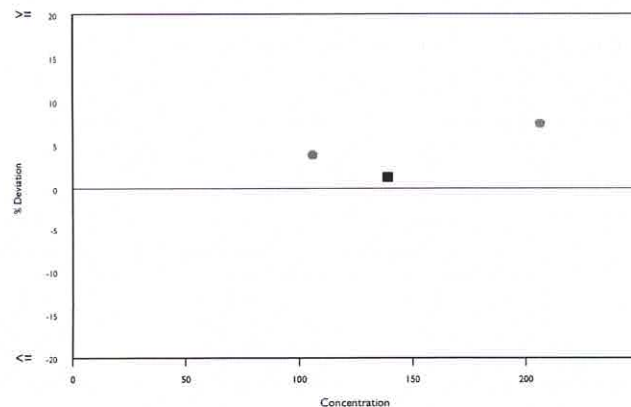
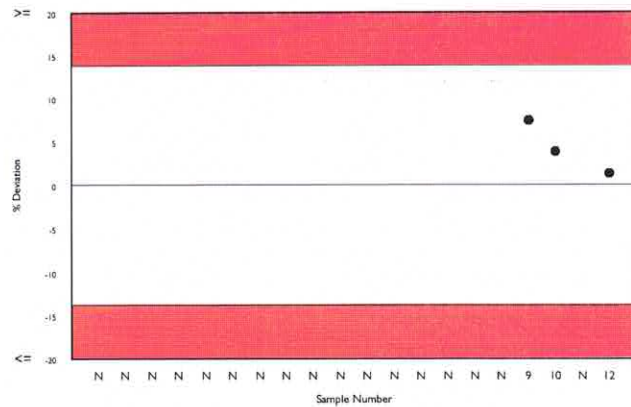
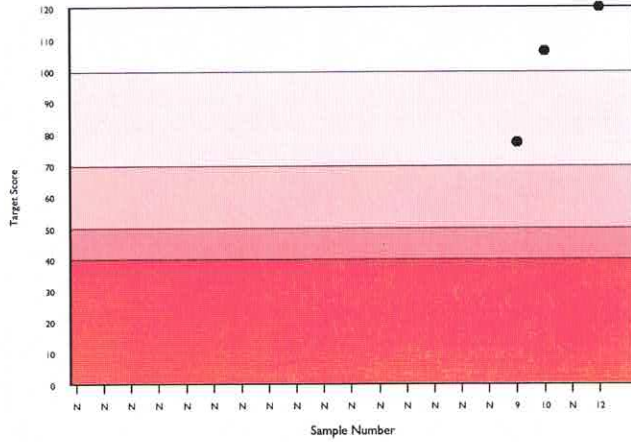
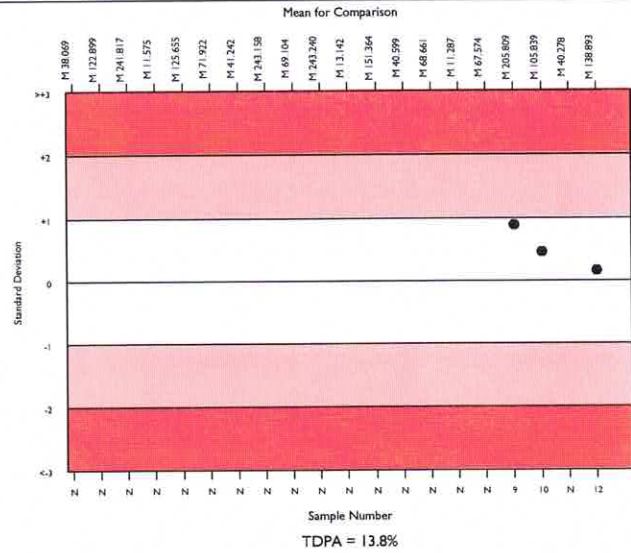
	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	2299	189.408	16.5	0.81	15.89	102
<input checked="" type="checkbox"/> Beckman Access/LXi725	97	138.893	5.8	1.03	11.65	7

<input checked="" type="checkbox"/> Your Result	140.700	SDI	0.16
		RMSDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	138.893	TS	120
		RMTS	Too Few
		%DEV	1.3
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U _m
Roche Modular E170 /Cobas e601/602	375	204.233	4.5	0.59
Abbott Architect Chemilum	337	216.619	4.9	0.72
Roche Elecsys / Cobas e411	302	207.197	6.6	0.99
Beckman Dxl 600/800	195	134.834	6.5	0.79
Siemens Centaur XP/XPT/Classic	166	169.151	5.3	0.88
Roche Cobas e801	129	207.157	3.9	0.89
Abbott Alinity i	102	218.655	3.7	0.99
Beckman Access/LXi725	97	138.893	5.8	1.03
Siemens Atellica IM	63	171.051	4.4	1.18
Ortho Vitros 3600/5600/ECi/XT/7600	57	122.262	5.1	1.04
Roche Cobas C501/502/503/701	47	191.614	4.2	1.45
bioMerieux, VIDAS	45	155.494	13.1	3.81
Siemens/DPC Immulite 2000/2500	33	169.703	5.3	1.95
SNIBE Maglumi analysers	35	238.293	8.1	4.08
Tosoh AIA Series	31	135.478	6.3	1.93
Beckman AU Instruments	26	160.849	5.4	2.13
Siemens Dimension	24	178.675	8.5	3.85
Mindray CL Series	20	183.030	5.5	2.83
Siemens/DPC Immulite 1000	16	154.950	5.6	2.71
Roche Cobas 4000/c311	18	203.767	6.6	3.99
Siemens Centaur CP	18	160.989	11.5	5.47

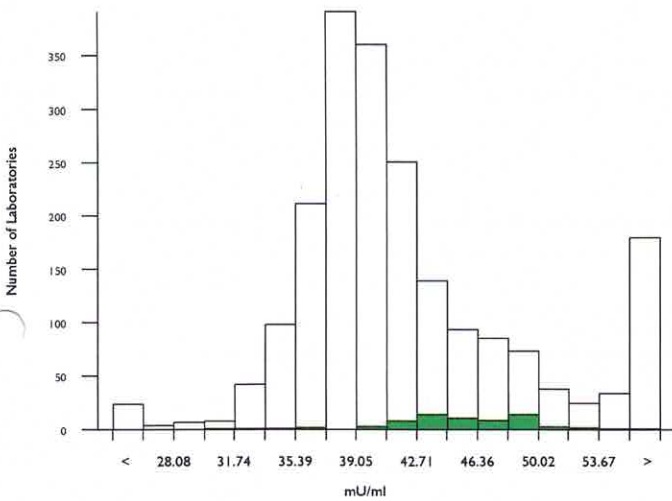


FSH, mU/ml

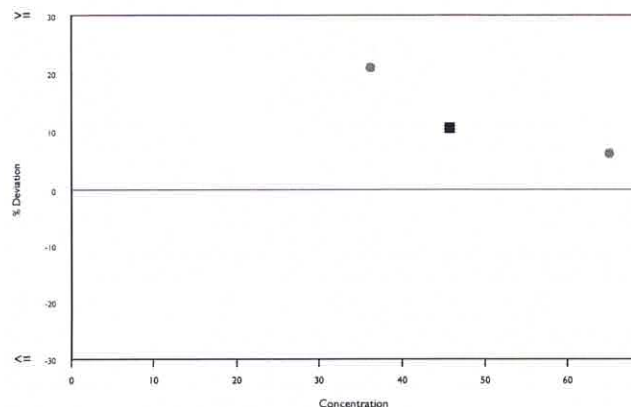
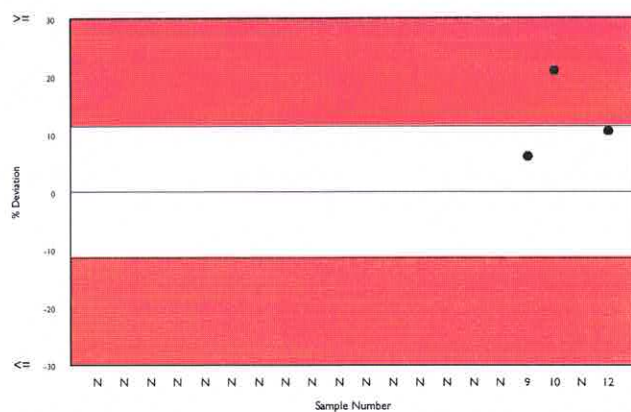
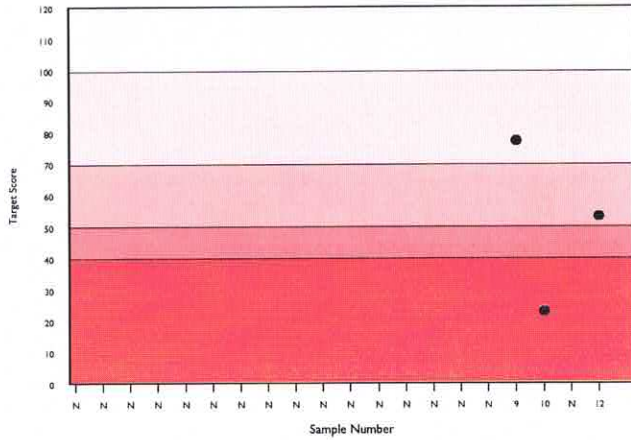
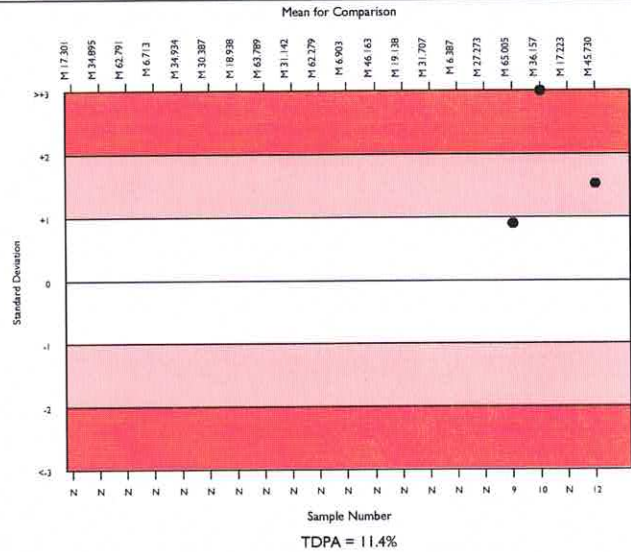
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1865	40.882	11.9	0.14	2.83	194
Beckman Access/LXi725	63	45.730	6.7	0.49	3.17	8

▲ Your Result	50.550	SDI	1.52
		RMSDI	Too Few
■ Mean for Comparison	45.730	TS	53
		RMTS	Too Few
		%DEV	10.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.40%

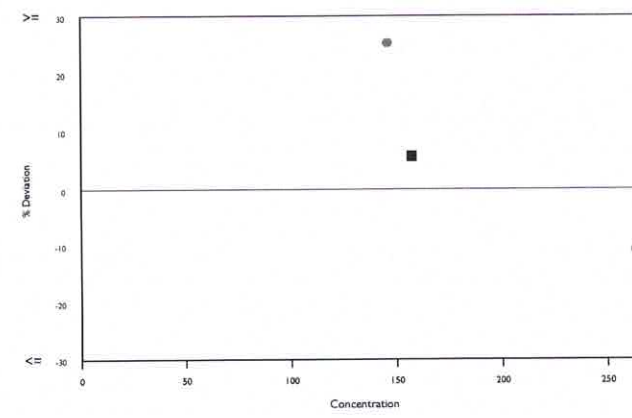
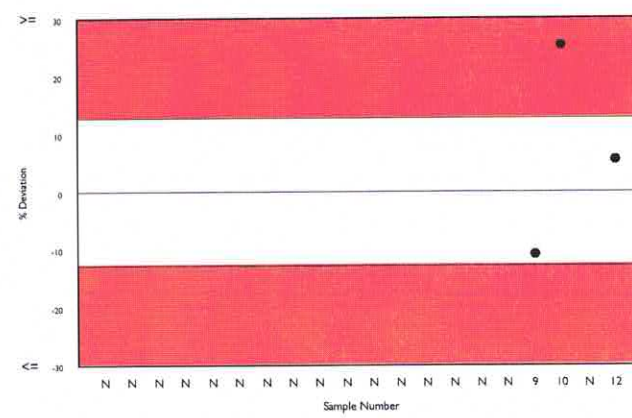
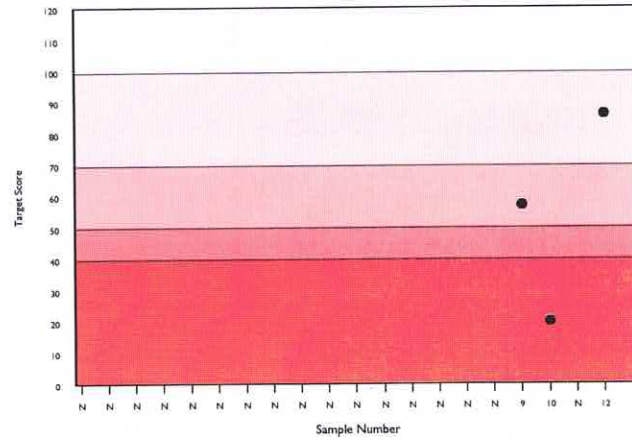
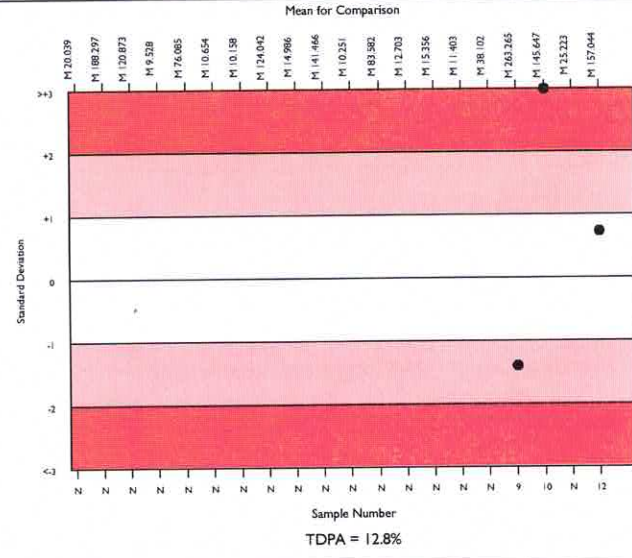


Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602	359	37.589	3.9	0.10
Abbott Architect	312	39.679	5.0	0.14
Roche Cobas 4000/e411	268	40.200	6.3	0.19
Beckman Dxl 600/800	162	46.237	6.2	0.28
Siemens Centaur XP/XPT/Classic	128	56.886	4.8	0.30
Roche Cobas e801	106	39.136	3.4	0.16
Abbott Alinity i	73	40.263	3.1	0.18
bioMerieux, VIDAS	66	47.867	8.2	0.60
Beckman Access/LXi725	63	45.730	6.7	0.49
Siemens/DPC Immulite 2000/2500	57	39.569	5.1	0.34
Siemens Atellica IM	47	59.618	4.0	0.43
Ortho Vitros 3600/5600/ECi/XT/7600	44	33.119	3.1	0.19
Roche Elecsys	33	38.145	8.2	0.68
SNIBE Maglumi analysers	32	43.623	6.6	0.63
Tosoh AIA Series	26	43.830	10.6	1.14
Siemens/DPC Immulite 1000	18	39.594	5.4	0.63
Mindray CL-Series	21	50.689	9.8	1.36
Siemens Centaur CP	11	44.575	5.0	0.84
DiaSorin Liaison XL	15	63.735	5.1	1.04
Fujirebio Lumipulse G Series	7	35.571	1.9	0.32
DiaSorin, Liaison	5	52.564	2.5	0.72



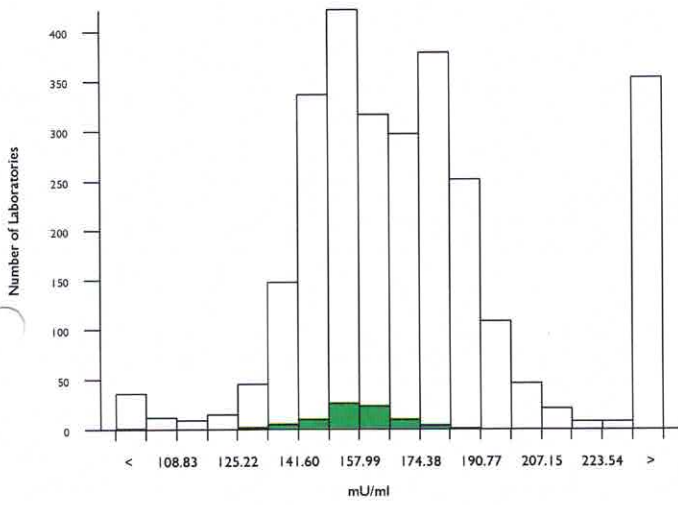
hCG, mU/ml

	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	2459	166.190	13.1	0.55	12.93	348
<input checked="" type="checkbox"/> Beckman Access Total BhCG (5th IS)	75	157.044	5.7	1.30	12.22	7



<input checked="" type="checkbox"/> Your Result	165.870	SDI	0.72
		RMSDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	157.044	TS	86
		RMTS	Too Few
		%DEV	5.6
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U _m
Roche hCG+Beta	917	179.628	5.2	0.39
Abbott Architect	415	151.076	4.7	0.43
Siemens Centaur XP/XPT/Classic	170	144.990	4.9	0.68
Beckman Dxl 600/800	116	158.023	5.1	0.93
Roche hCG + Beta e801	102	173.901	3.2	0.70
Abbott Alinity i	106	148.726	3.8	0.69
bioMerieux, VIDAS	76	282.097	6.8	2.77
Beckman Access Total BhCG (5th IS)	75	157.044	5.7	1.30
Ortho Vitros 3600/5600/ECi/XT 7600	73	272.693	4.9	1.96
Beckman DXI Total BhCG (5th IS)	72	157.063	4.4	1.02
Siemens Atellica IM	62	155.040	5.1	1.27
Siemens/DPC Immulite 2000	54	316.737	9.2	4.98
Beckman Access/LXi725	45	157.084	3.4	1.01
Roche hCG STAT(Intact)	48	201.446	6.7	2.42
SNIBE Maglumi analysers	36	314.474	8.4	5.52
Siemens Centaur CP	29	141.255	4.4	1.44
Tosoh AIA Series	28	268.911	6.5	4.11
Siemens Dimension	25	272.372	2.4	1.64
Mindray CL Series	27	117.540	10.4	2.95
Siemens/DPC Immulite 1000	24	329.708	7.7	6.44
DiaSorin Liaison XL	18	164.150	6.6	3.19

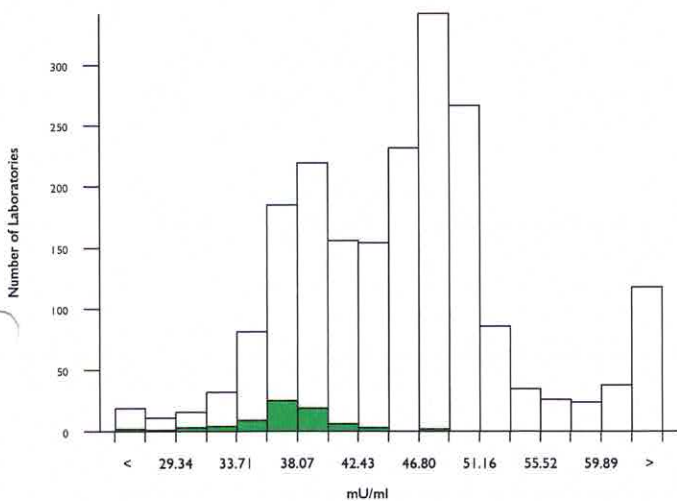


LH, mU/ml

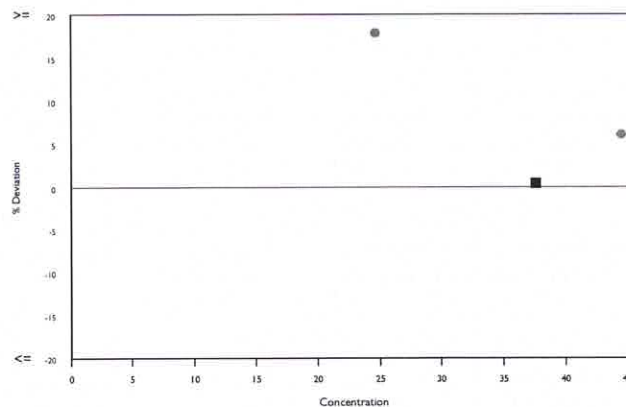
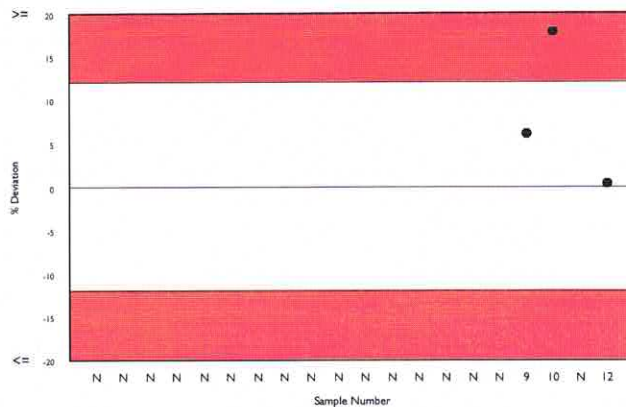
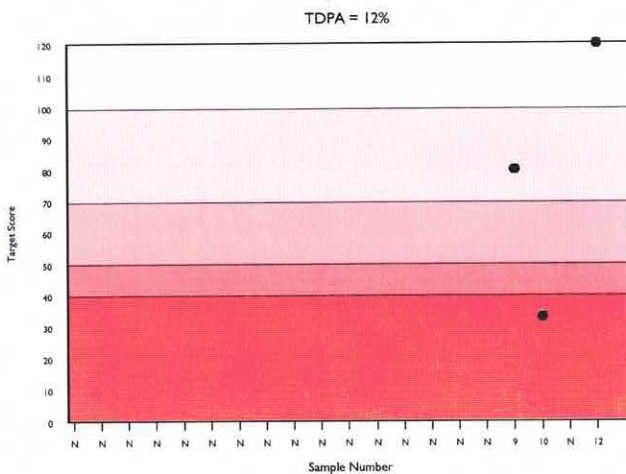
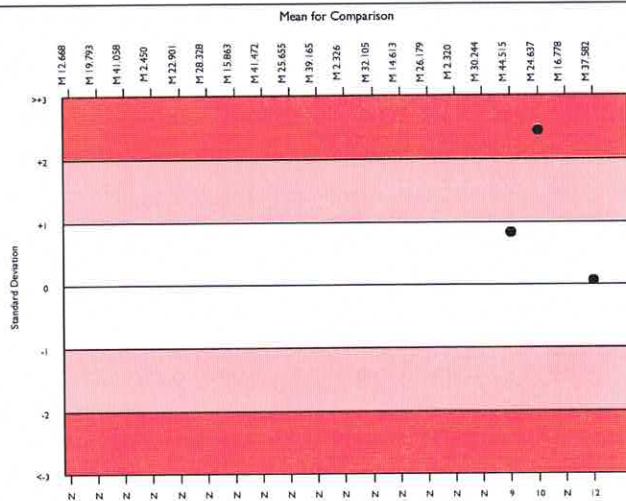
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1854	44.620	13.0	0.17	3.26	185
Beckman Access/LXi725	67	37.582	6.9	0.40	2.74	7

▲ Your Result	37.740	SDI	0.06
		RMSDI	Too Few
■ Mean for Comparison	37.582	TS	120
		RMTS	Too Few
		%DEV	0.4
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602	360	48.287	4.0	0.13
Abbott Architect	296	38.800	7.5	0.21
Roche Cobas 4000/e411	271	48.164	5.7	0.21
Beckman Dxl 600/800	162	37.507	5.6	0.21
Siemens Centaur XP/XPT/Classic	130	44.817	4.5	0.22
Roche Cobas e801	105	48.607	3.1	0.18
Abbott Alinity i	73	38.750	3.4	0.19
Beckman Access/LXi725	67	37.582	6.9	0.40
bioMerieux, VIDAS	66	49.540	7.1	0.54
Siemens/DPC Immulite 2000	55	70.086	8.0	0.94
Ortho Vitros 3600/5600/ECI/XT 7600	47	60.878	4.3	0.47
Siemens Atellica IM	47	45.452	3.9	0.33
Roche Elecsys	30	47.491	5.7	0.61
SNIBE Maglumi analysers	31	59.752	7.5	1.01
Tosoh AIA Series	24	41.992	5.2	0.56
Siemens/DPC Immulite 1000	20	76.210	3.6	0.78
Mindray CL-Series	17	49.826	20.3	3.07
Siemens Centaur CP	11	42.505	4.7	0.75
DiaSorin Liaison XL	13	59.155	5.2	1.07
DiaSorin, Liaison	7	60.149	4.1	1.17
Fujirebio Lumipulse G Series	7	45.557	2.8	0.60

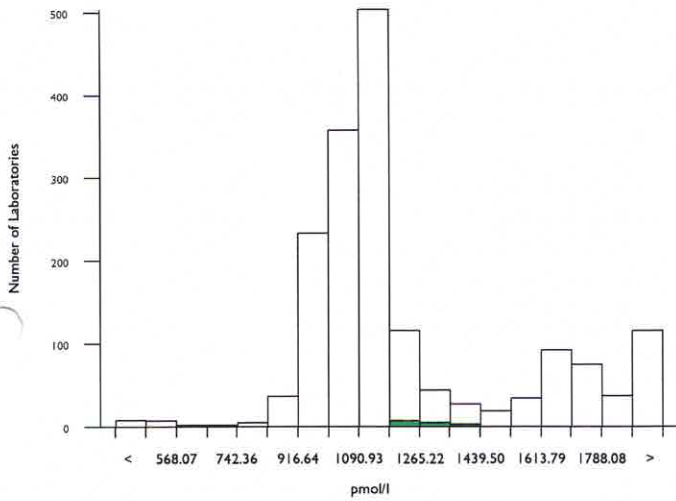


Oestradiol, pmol/l

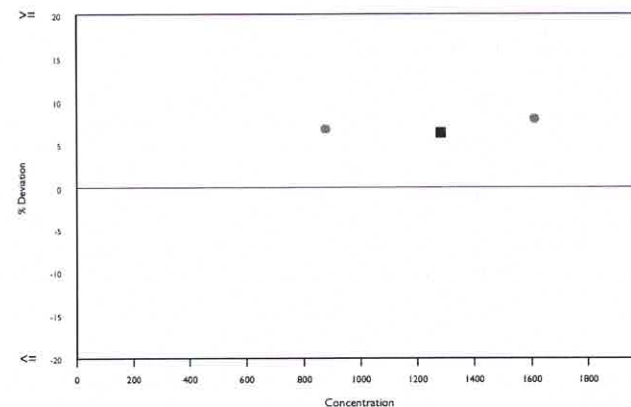
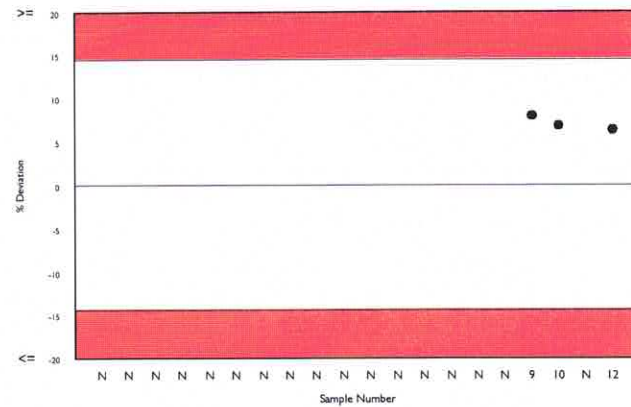
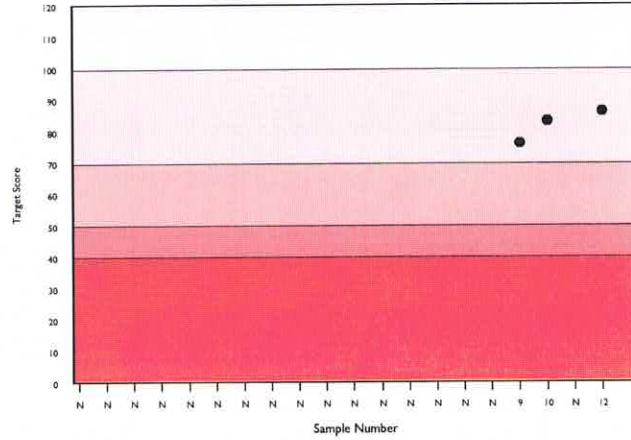
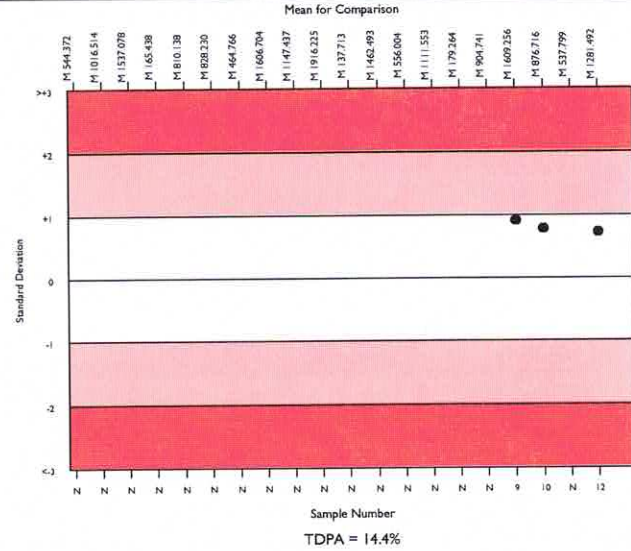
	N	Mean	CV%	U _m	SDPA	Exc.
☐ All Methods	1560	1178.080	19.7	7.35	103.14	152
■ Beckman Access/LXi725 Sensitive B84493	15	1281.492	4.8	20.00	112.19	0

▲ Your Result	1362.320	SDI	0.72
		RMSDI	Too Few
■ Mean for Comparison	1281.492	TS	86
		RMTS	Too Few
		%DEV	6.3
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.40%



Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602 (Estradiol III)	269	1116.112	2.9	2.50
Abbott Architect	256	984.634	3.6	2.76
Roche Cobas 4000/e411 (Estradiol III)	143	1095.781	3.6	4.11
Roche Cobas e801 (Estradiol III)	97	1106.699	2.2	3.12
Roche Cobas 4000/e411 (Estradiol II)	86	1096.204	4.7	6.91
Siemens Centaur XP/XPT/Classic (eE2)	76	1682.359	4.3	10.32
Beckman Dxl 600/800 Sensitive B84493	76	1179.520	5.0	8.40
Roche Cobas e601/ 602 (Estradiol II)	73	1118.978	3.8	6.25
Abbott Alinity i	67	960.439	4.4	6.51
bioMerieux, VIDAS	58	1983.719	4.5	14.54
Beckman Dxl 600/800	60	1325.445	15.5	33.16
Siemens Centaur XP/XPT/Classic	45	1674.282	4.0	12.52
Siemens Atellica IM	46	1745.062	4.8	15.38
Ortho Vitros 3600/5600/ECi/XT 7600	32	1763.152	6.4	24.98
Beckman Access/LXi725	24	1408.114	15.3	54.96
SNIBE Maglumi analysers	19	2517.322	3.2	23.11
Roche Elecsys (Estradiol II)	16	1081.909	3.7	12.51
Siemens/DPC Immulite 2000/2500	17	1608.620	19.6	95.57
Beckman Access/LXi725 Sensitive B84493	15	1281.492	4.8	20.00
Roche Elecsys (Estradiol III)	10	1066.931	2.1	9.03
Mindray CL-Series	11	1363.323	5.6	28.98



Progesterone, nmol/l

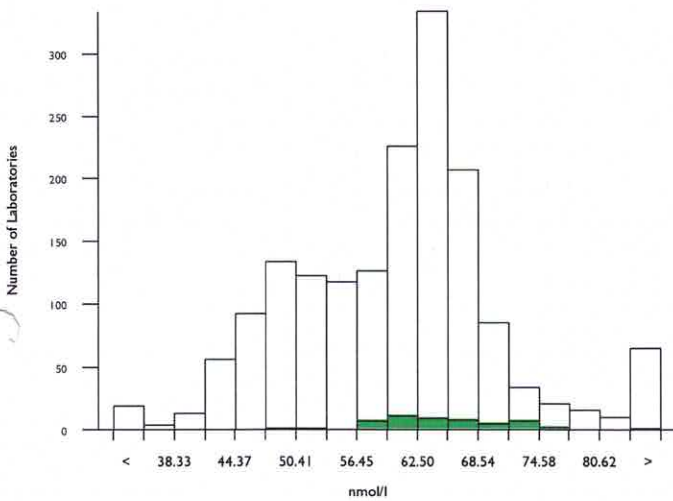
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1558	59.479	13.5	0.26	5.82	119
Beckman Access Prog. Cal 33555	48	65.135	7.8	0.92	6.38	4

▲ Your Result	76.090	SDI	1.72
		RMSDI	Too Few
■ Mean for Comparison	65.135	TS	48
		RMTS	Too Few
		%DEV	16.8
		RM%DEV	Too Few

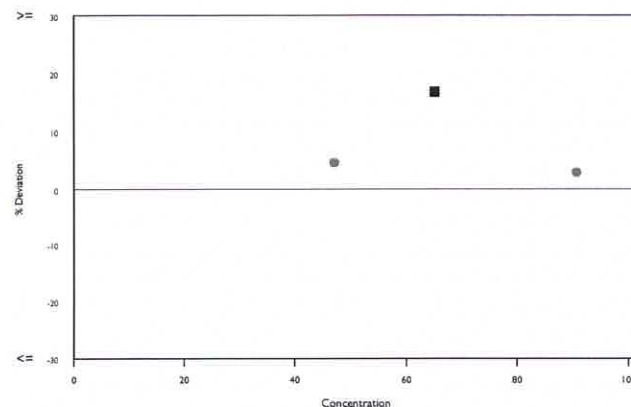
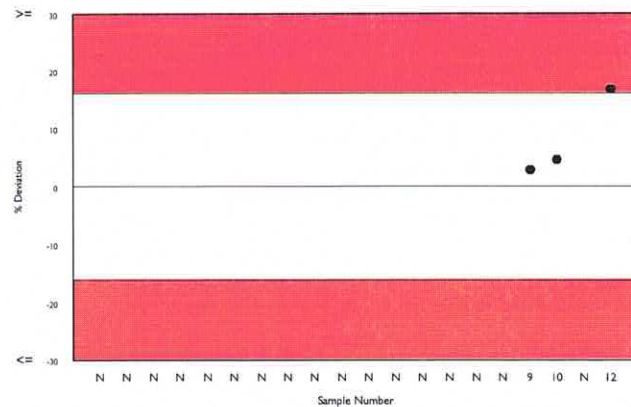
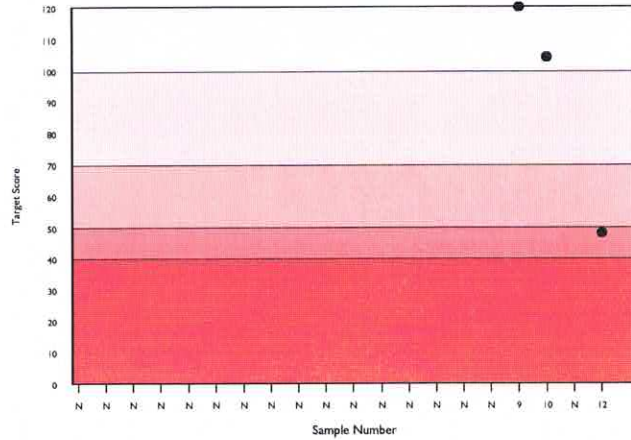
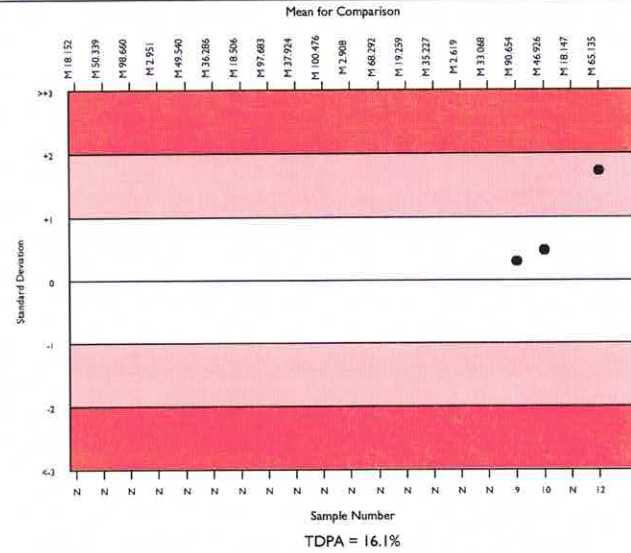
Acceptable limits derived from Biological Variation N/A

Acceptable limits of performance for RIQAS 16.10%

TS & %DEV outside limits

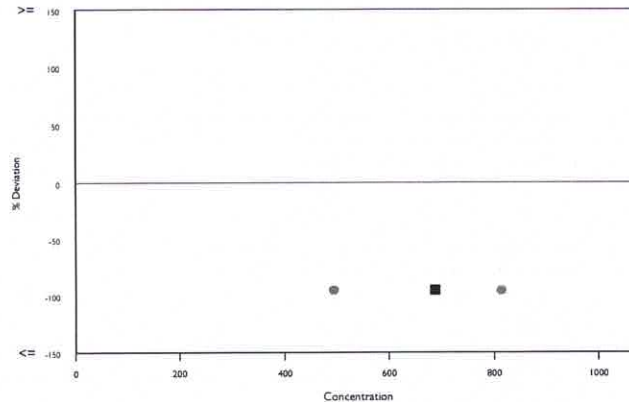
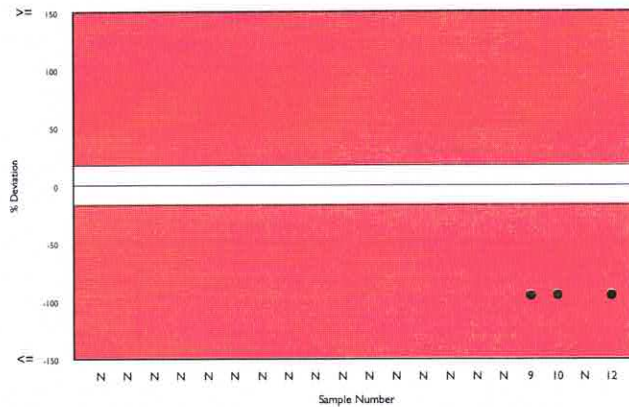
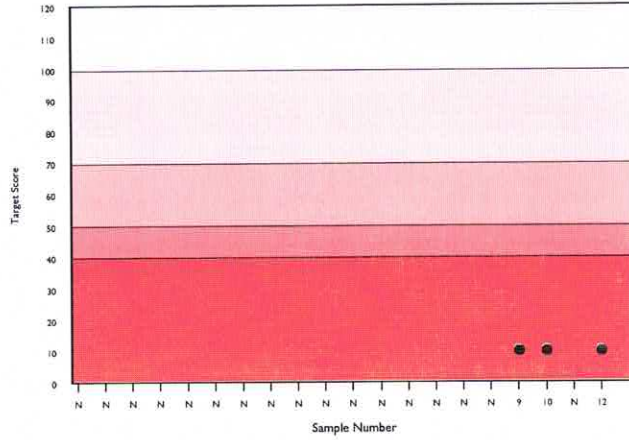
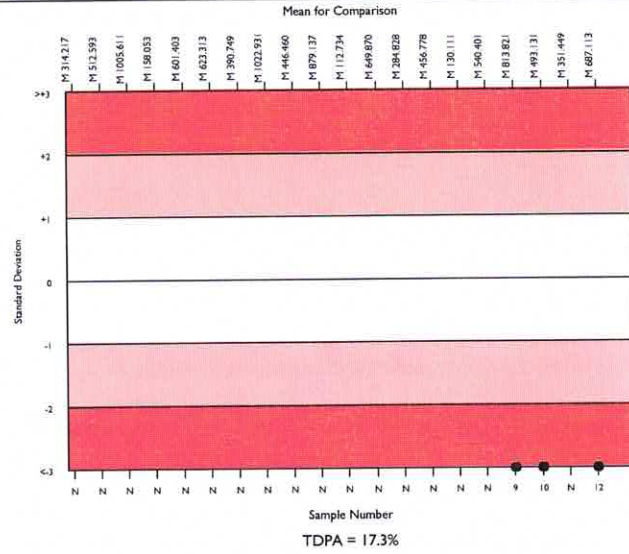


Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602 (Prog. III)	236	64.532	4.0	0.21
Abbott Architect	229	54.222	6.5	0.29
Roche Cobas 4000/e411 (Prog. II)	114	64.817	4.6	0.35
Siemens Centaur XP/XPT/Classic	110	45.449	7.2	0.39
Roche Cobas 4000/e411 (Prog. III)	101	64.716	4.7	0.38
Roche Cobas e601/ 602 (Prog. II)	102	64.570	3.8	0.31
Beckman DXI Prog. Cal 33555	100	61.261	7.6	0.58
Roche Cobas e801 (Prog. III)	91	63.037	2.8	0.23
Abbott Alinity i	63	50.440	4.8	0.38
bioMerieux, VIDAS	58	89.693	9.5	1.41
Siemens/DPC Immulite 2000/2500	48	46.986	6.8	0.58
Beckman Access Prog. Cal 33555	48	65.135	7.8	0.92
Siemens Atellica IM	41	48.603	4.7	0.45
Ortho Vitros 3600/5600/ECi/XT 7600	29	68.751	5.5	0.88
Tosoh AIA Series	23	73.933	8.4	1.63
Siemens/DPC Immulite 1000	23	54.326	13.0	1.85
Beckman DXI Prog.DE Cal. A80773	24	53.284	11.2	1.52
Roche Elecsys (Prog. II)	19	63.397	4.0	0.73
SNIBE Maglumi analysers	19	64.842	11.9	2.21
Siemens Centaur CP	11	48.047	4.7	0.85
Mindray CL-Series	11	90.541	19.7	6.74



Prolactin, uU/ml

	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	1780	763.806	9.3	2.10	80.33	238
<input checked="" type="checkbox"/> Beckman Access/LXi725	58	687.113	5.0	5.61	72.27	17



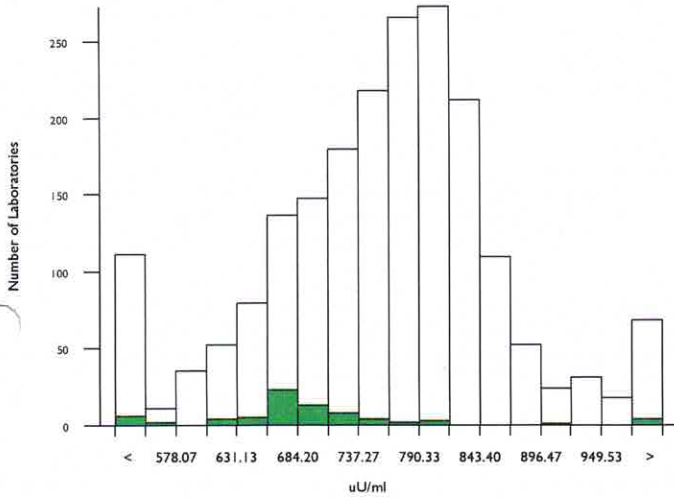
<input checked="" type="checkbox"/> Your Result	33.960	SDI	-9.04
		RMSDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	687.113	TS	10
		RMTS	Too Few
		%DEV	-95.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation: N/A

Acceptable limits of performance for RIQAS: 17.30%

SDI in bottom 5% of peer group

TS & %DEV outside limits



Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602	307	776.658	4.1	2.26
Abbott Architect	275	815.745	4.9	3.01
Roche Cobas 4000/e411	268	793.597	5.7	3.46
Beckman Dxl 600/800	138	655.351	6.9	4.82
Siemens Centaur XP/XPT/Classic	135	693.719	5.4	4.03
Roche Cobas e801 PRL II	96	743.001	3.6	3.43
Abbott Alinity i	73	824.509	3.2	3.81
Beckman Access/LXi725	58	687.113	5.0	5.61
bioMerieux, VIDAS	48	953.182	8.0	13.74
Ortho Vitros 3600/5600/ECi/XT 7600	40	690.111	5.2	7.12
Siemens/DPC Immulite 2000/2500	44	655.550	7.3	8.97
Siemens Atellica IM	43	706.546	4.4	5.87
Roche Elecsys/E170/Cobas e601/ 602 PRLII	34	786.102	5.0	8.47
SNIBE Maglumi analysers	32	773.202	5.1	8.70
Tosoh AIA Series	27	749.705	11.1	20.01
Roche Elecsys	25	785.755	3.7	7.26
Siemens/DPC Immulite 1000	18	737.355	6.7	14.65
Mindray CL-Series	14	958.460	5.1	16.26
DiaSorin Liaison XL	14	826.228	5.9	16.36
Siemens Centaur CP	11	619.644	9.6	22.51
Fujirebio Lumipulse G Series	9	941.180	2.0	7.67



PSA, Free, ng/ml

	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	1178	15.457	13.3	0.07	1.16	90
<input checked="" type="checkbox"/> Beckman DXI standardised to Hybritech	89	18.600	5.5	0.13	1.39	10

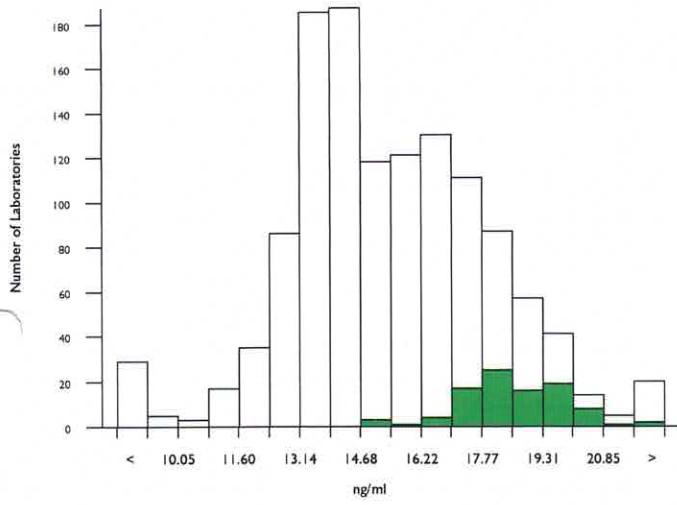
<input checked="" type="checkbox"/> Your Result	1919.000	SDI RMSDI	1366.41 Too Few
<input checked="" type="checkbox"/> Mean for Comparison	18.600	TS RMETS	10 Too Few
		%DEV RM%DEV	999.0 Too Few

Acceptable limits derived from Biological Variation: N/A

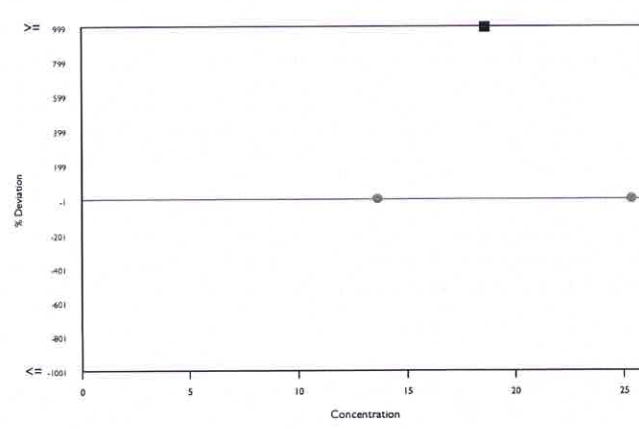
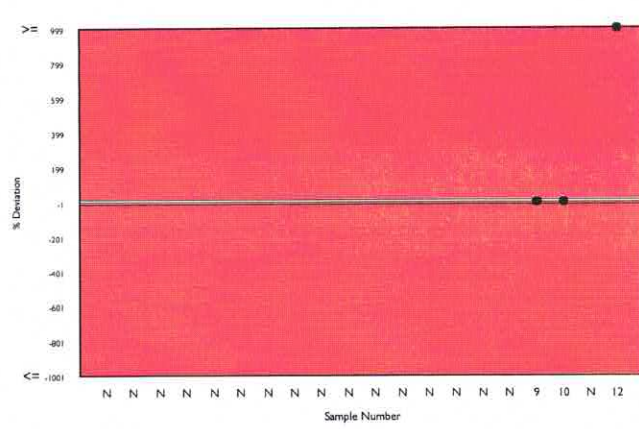
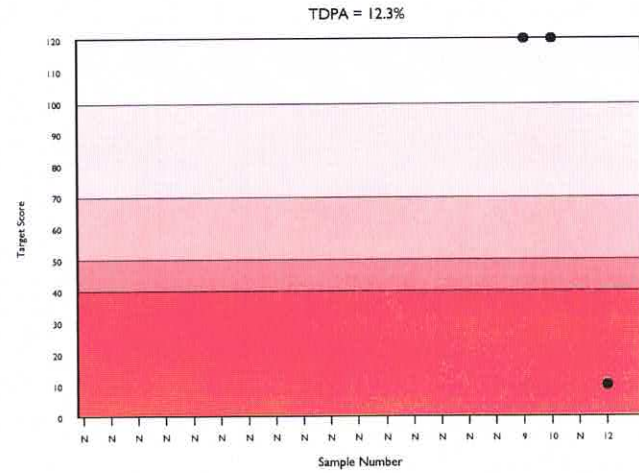
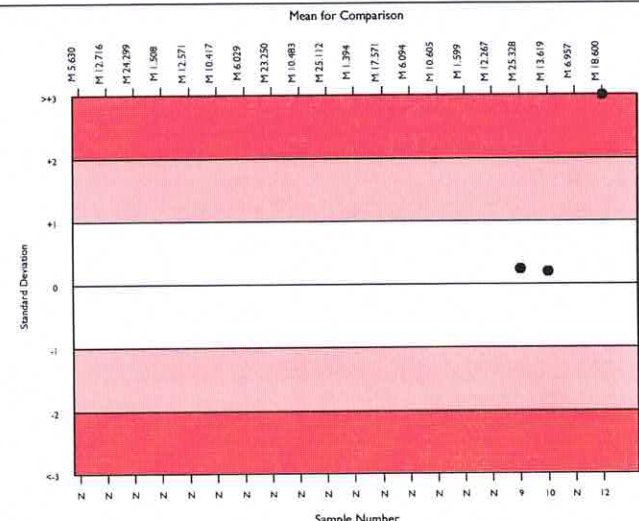
Acceptable limits of performance for RIQAS: 12.30%

SDI in bottom 5% of peer group

TS & %DEV outside limits



Method	N	Mean	CV%	U _m
Roche Cobas e601/602	243	14.029	4.4	0.05
Abbott Architect	224	16.879	6.4	0.09
Roche Cobas 4000/e411	113	14.120	5.5	0.09
Siemens Centaur XP/XPt/Classic	95	16.402	6.0	0.13
Beckman DXI standardised to Hybritech	89	18.600	5.5	0.13
Roche Cobas e801	75	13.451	3.3	0.06
Abbott Alinity i	57	17.125	6.5	0.19
Beckman Access standardised to Hybritech	34	19.135	7.4	0.30
Siemens/DPC Immulite 2000/2500	33	14.279	5.9	0.18
Siemens Atellica IM	30	16.320	4.1	0.15
BioMerieux VIDAS	9	23.607	17.2	1.69
Roche Elecsys	18	13.727	10.7	0.43
SNIBE Maglumi analysers	18	12.374	9.6	0.35
Mindray CL Series	14	16.565	9.7	0.54
Tosoh AIA Series	13	11.928	9.8	0.40
Ortho Vitros 3600/5600/ECI PSA II/XT7600	12	11.967	3.9	0.17
Siemens/DPC Immulite 1000	9	13.789	10.2	0.58
Beckman DXI standard to WHO IRP96/670	9	16.340	12.1	0.82
DiaSorin Liaison XL	9	6.219	6.1	0.16
Siemens/Dade Dimension Vista	7	14.224	2.1	0.14
Beckman Access standard to WHO IRP96/670	7	18.491	6.4	0.56

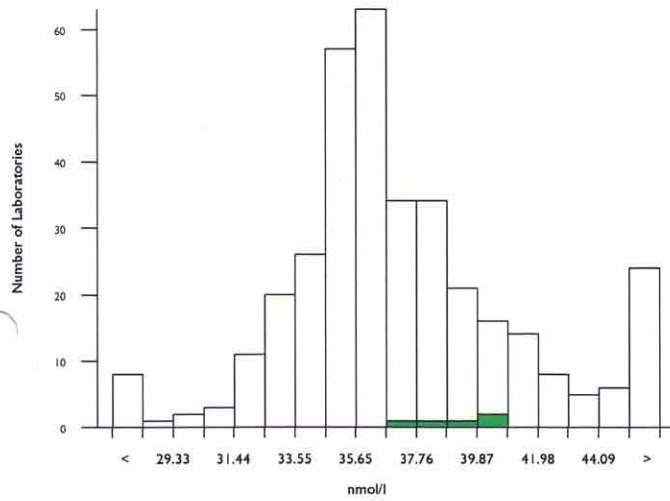


Sex Hormone Binding Globulin, nmol/l

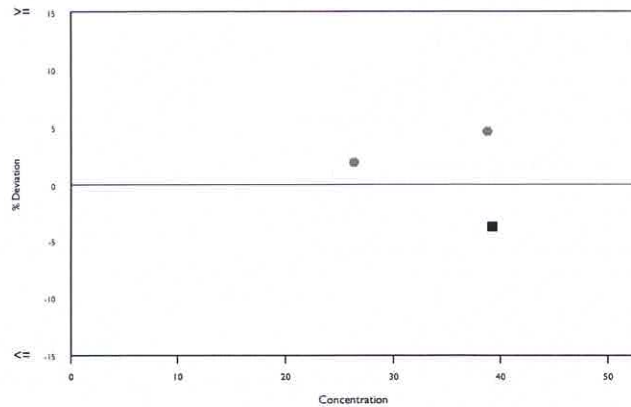
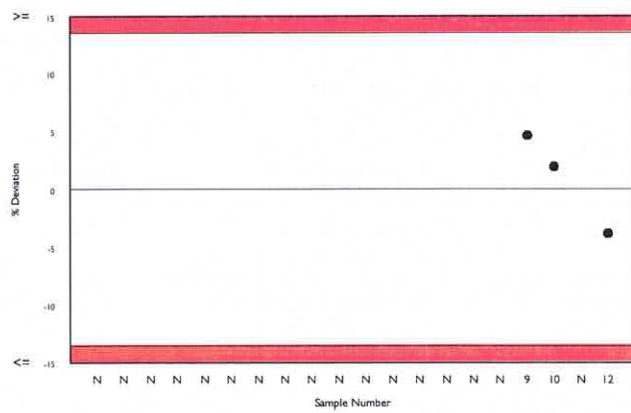
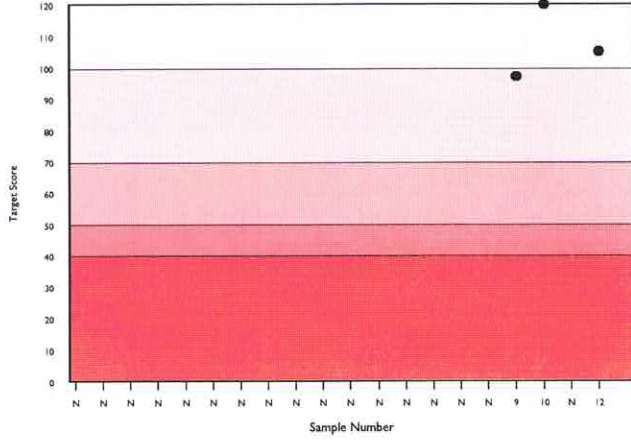
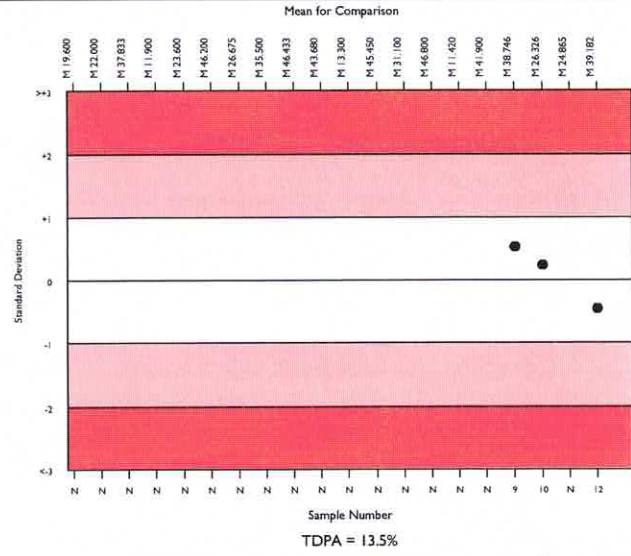
	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	318	36.712	7.7	0.20	3.01	35
<input checked="" type="checkbox"/> Beckman Access	5	39.182	3.0	0.66	3.22	0

<input checked="" type="checkbox"/> Your Result	37.700	SDI	-0.46
		RMSDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	39.182	TS	105
		RMTS	Too Few
		%DEV	-3.8
		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 _m
Roche analysers - 413417/15	98	35.268	5.5	0.24
Abbott Architect	39	36.769	7.2	0.53
Siemens/DPC Immulite 2000/2500	36	38.858	5.1	0.41
Roche e801 - 413429	37	34.781	4.0	0.29
Beckman DXI 600/800	27	37.929	5.9	0.54
Abbott Alinity i	17	36.619	5.2	0.58
Siemens Centaur (Ref 10997191)	14	37.023	6.4	0.79
SNIBE Maglumi Analysers	14	45.268	6.1	0.93
Siemens Atellica IM	7	38.889	7.0	1.28
Beckman Access	5	39.182	3.0	0.66
Tosoh AIA-CL Series	5	37.068	3.0	0.62
Siemens/DPC Immulite 1000	4	36.400	6.4	1.45
Diasorin Liaison XL	4	47.850	5.7	1.70
Siemens Centaur (Ref 06520781)	3	38.603	9.9	2.76
ELISA	3	32.623	20.6	4.86
Siemens Centaur CP	2	33.815	15.1	4.52

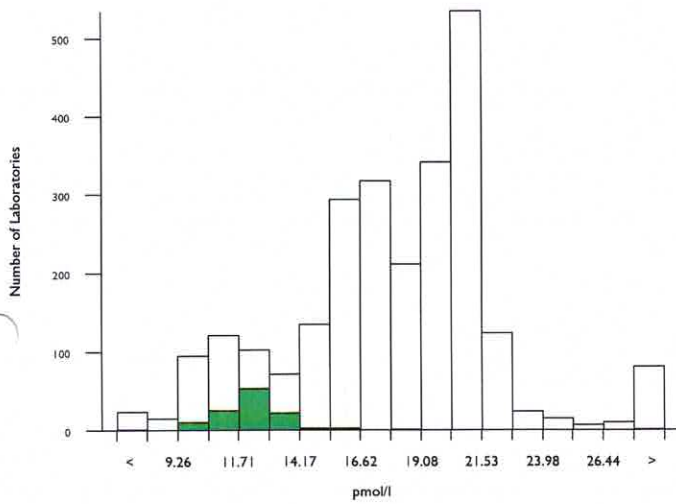


Free T3, pmol/l

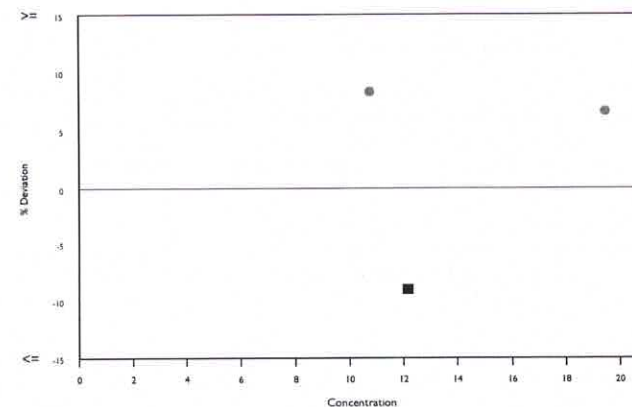
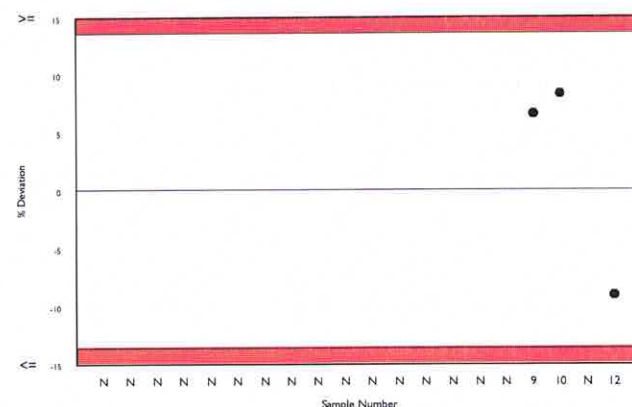
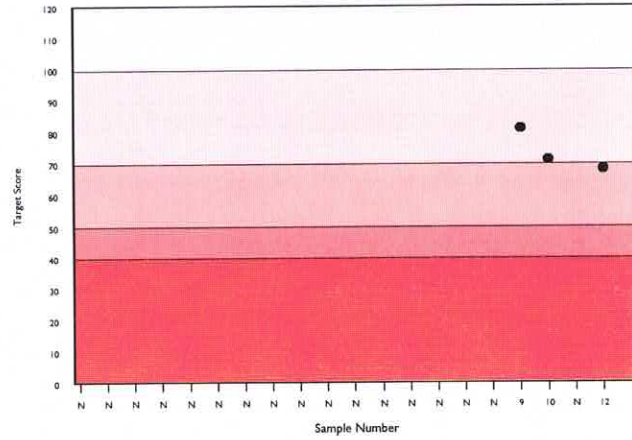
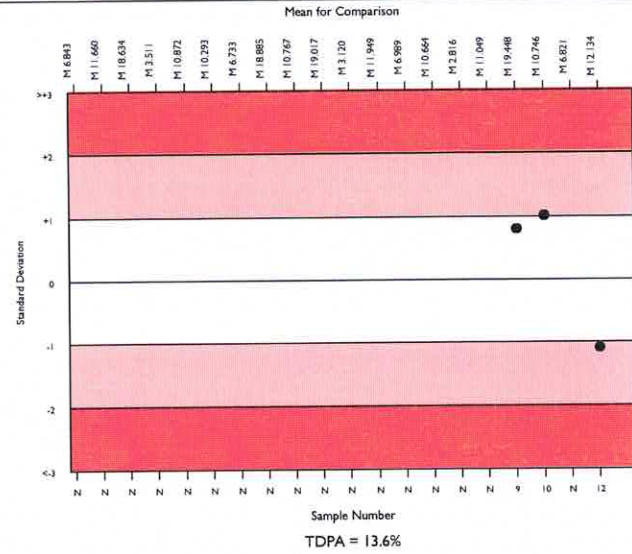
	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	2326	17.854	18.3	0.08	1.48	214
<input checked="" type="checkbox"/> Beckman Access/LXi725	107	12.134	7.4	0.11	1.00	10

<input checked="" type="checkbox"/> Your Result	11.040	SDI RMSDI	-1.09 Too Few
<input checked="" type="checkbox"/> Mean for Comparison	12.134	TS RMTS	68 Too Few
		%DEV RM%DEV	-9.0 Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	13.60%

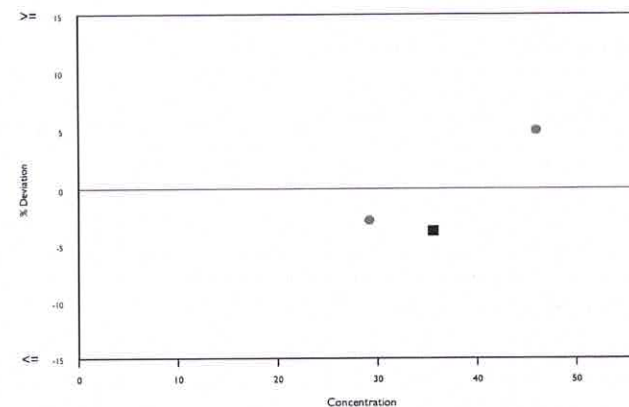
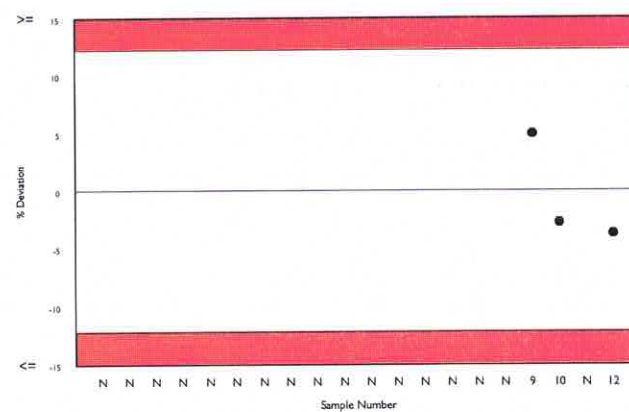
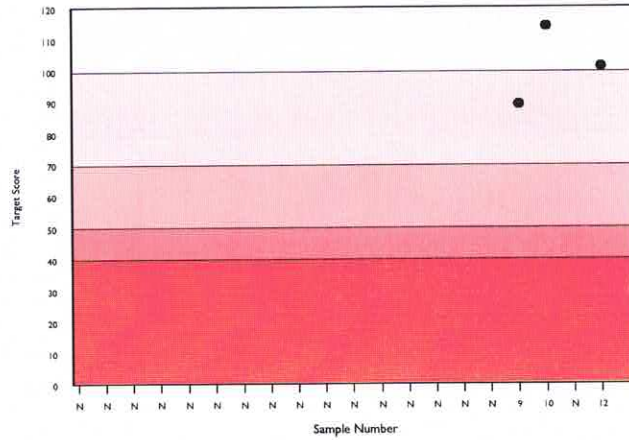
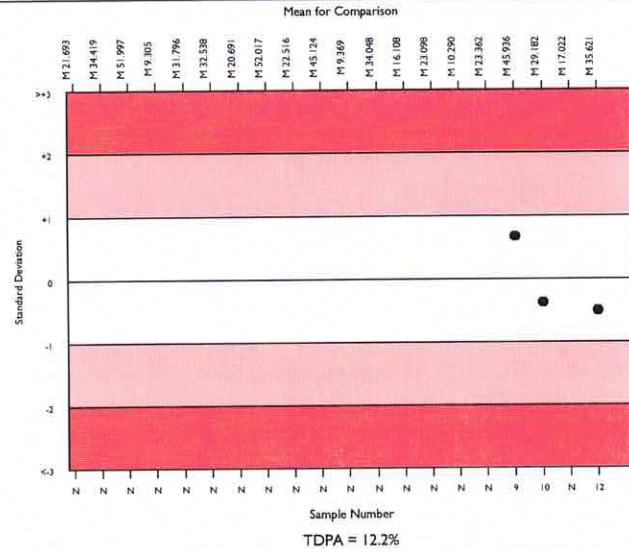


Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602	458	20.792	2.9	0.04
Roche Cobas 4000/e411	304	20.085	4.4	0.06
Abbott Architect, 2 point cal	221	15.883	6.0	0.08
Siemens Centaur XP/XPT/Classic	195	17.570	3.9	0.06
Beckman Dxl 600/800	198	10.736	7.9	0.07
Abbott Architect, 6 point cal	146	16.072	5.9	0.10
Roche Cobas e801	128	20.571	2.8	0.06
Beckman Access/LXi725	107	12.134	7.4	0.11
Abbott Alinity, 6 point cal	79	16.233	4.0	0.09
Siemens Atellica IM	58	17.952	3.9	0.11
Ortho Vitros 3600/5600/ECi/XT/7600	29	35.007	0.0	0.00
Roche Elecsys	51	19.904	4.8	0.17
BioMerieux VIDAS	44	18.236	6.1	0.21
Tosoh AIA Series	38	28.054	8.8	0.50
Siemens/DPC Immulite 2000/2500	37	14.100	8.5	0.25
SNIBE Maglumi analysers	33	19.019	9.8	0.40
Siemens Centaur CP	27	16.896	3.7	0.15
Mindray CL-Series	20	17.072	4.3	0.21
DiaSorin Liaison XL	22	25.134	5.1	0.34
Siemens/DPC Immulite 1000	21	13.547	9.3	0.34
Abbott Alinity, 2 point cal	18	15.862	5.6	0.26



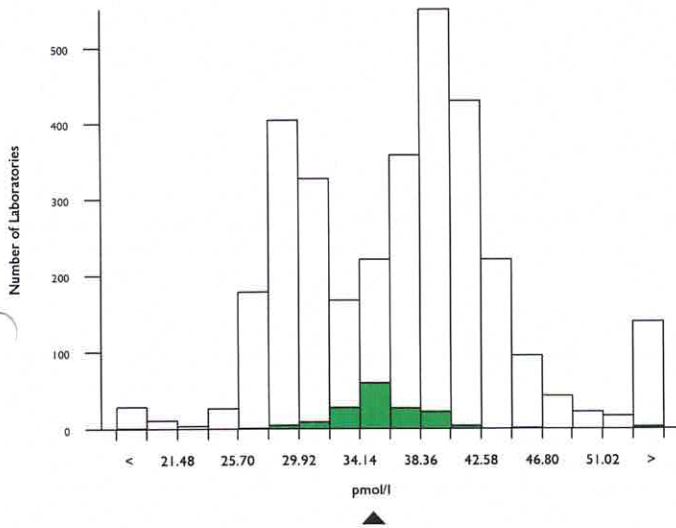
Free T4, pmol/l

	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	3013	36.255	15.5	0.13	2.69	229
<input checked="" type="checkbox"/> Beckman Access/LXi725	147	35.621	6.4	0.23	2.64	13



<input checked="" type="checkbox"/> Your Result	34.290	SDI	-0.50
		RMSDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	35.621	TS	101
		RMTS	Too Few
		%DEV	-3.7
		RM%DEV	Too Few

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

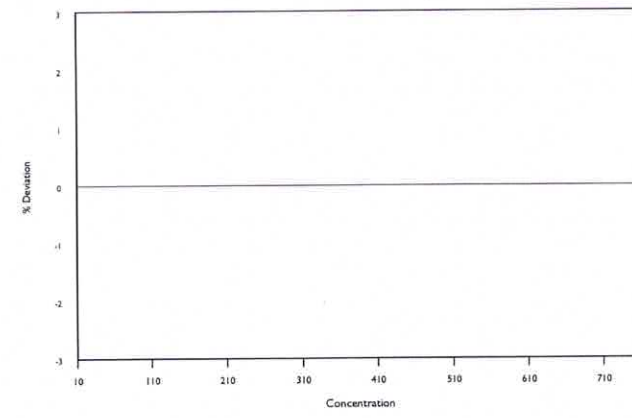
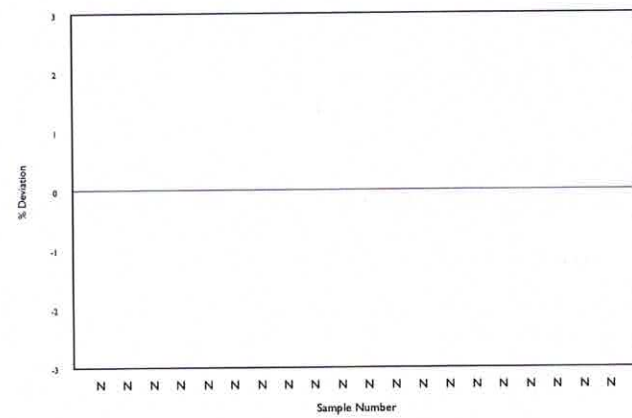
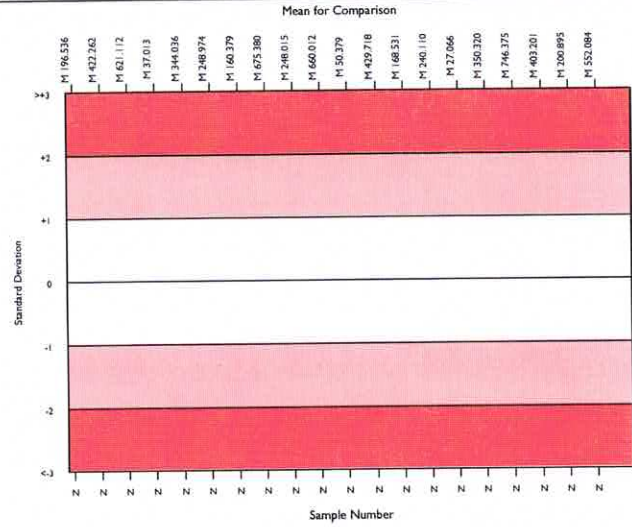


Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602	600	39.835	4.3	0.09
Abbott Architect	484	29.054	5.3	0.09
Roche Cobas 4000/e411	396	40.003	4.8	0.12
Beckman Dxl 600/800	248	35.937	5.2	0.15
Siemens Centaur XP/XPT/Classic	226	30.000	5.3	0.13
Roche Cobas e801	158	42.004	4.2	0.18
Beckman Access/LXi725	147	35.621	6.4	0.23
Abbott Alinity i	118	28.383	5.7	0.19
Ortho Vitros 3600/5600/ECi/XT/7600	67	87.212	2.1	0.28
Siemens Atellica IM	68	30.850	3.3	0.16
Roche Elecsys	55	40.639	5.8	0.40
Siemens/DPC Immulite 2000/2500	49	43.419	4.7	0.36
bioMerieux, VIDAS-FT4N Kit	48	44.750	5.2	0.42
Tosoh AIA Series	45	42.022	6.1	0.48
SNIBE Maglumi analysers	41	45.429	6.7	0.59
Mindray CL-Series	38	36.628	6.9	0.51
Siemens Centaur CP	33	30.982	7.1	0.48
Siemens/DPC Immulite 1000	29	46.592	7.5	0.81
DiaSorin Liaison XL	28	56.570	4.5	0.60
DiaSorin, Liaison	14	50.100	12.3	2.06
Sysmex HISCL Series	9	48.685	1.6	0.32



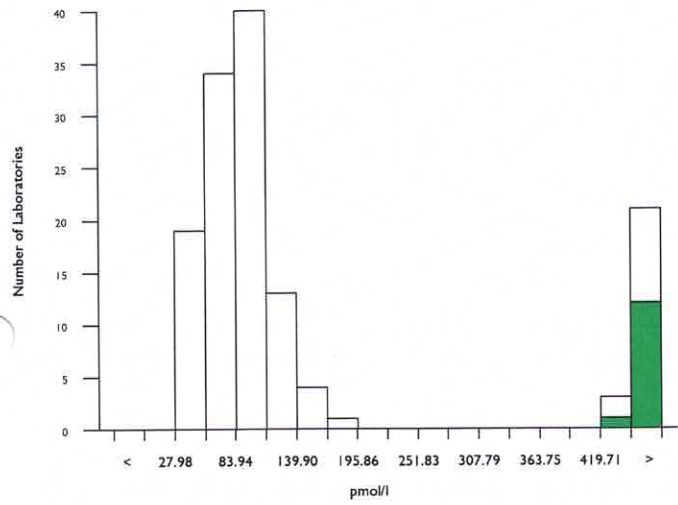
Free Testosterone (Pilot), pmol/l

	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	118	116.988	94.2	12.69	110.24	17
<input checked="" type="checkbox"/> Calculated	13	552.084	12.8	24.45	74.66a	0



▲ Your Result	No Result	SDI	RMSEI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	552.084	TS	RMTS	N/A
		%DEV	RM%DEV	Too Few

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



Method	N	Mean	CV%	U _m
SNIBE Maglumi analysers	41	107.439	6.2	1.30
Calculated	13	552.084	12.8	24.45
ELISA	8	66.559	8.6	2.53
Monobind Inc. ELISA / CLIA	9	79.290	12.5	4.11
DIAsource, RIA	8	40.927	6.4	1.17
DRG ELISA	9	69.203	18.4	5.32
Roche Cobas 6000/8000	6	540.365	13.5	37.15
IDS Free Testosterone	6	50.730	8.6	2.23
Novatec ELISA	4	70.510	5.5	2.40
Diametra ELISA	4	69.695	24.3	10.60
Roche Cobas 4000/e411	3	459.620	5.0	16.50
Abbott Architect	1	548.000	0.0	0.00
DiaSorin (RIA)	2	104.353	48.3	44.56
IBL ELISA	2	63.848	40.7	22.99

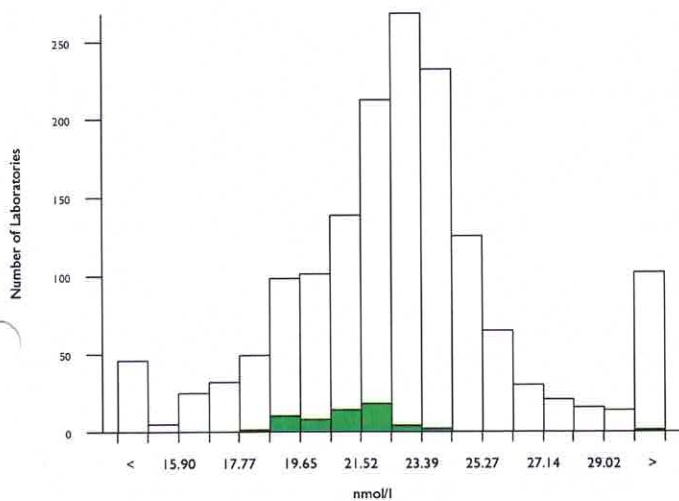


Testosterone, nmol/l

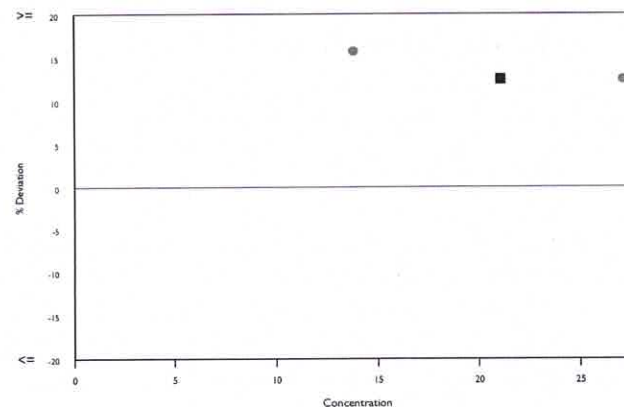
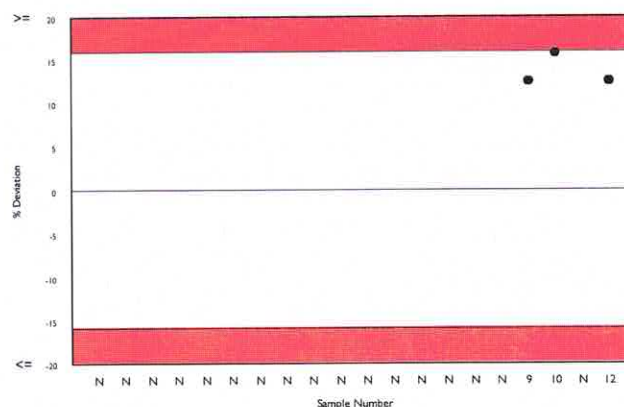
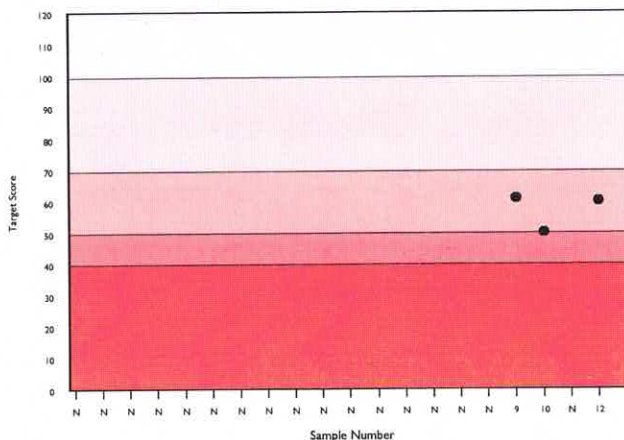
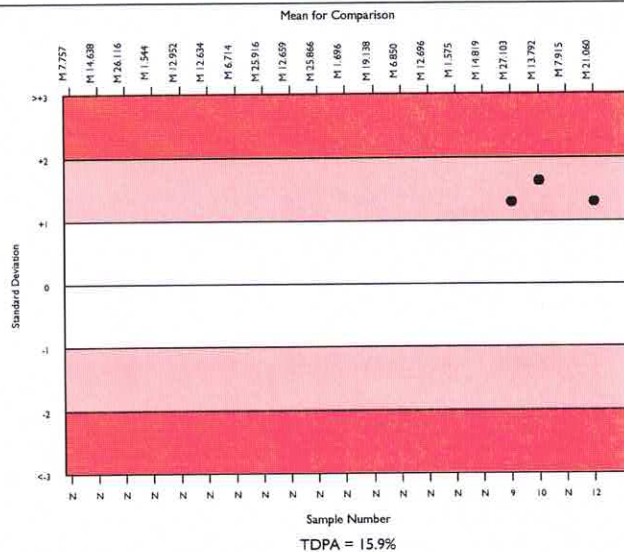
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1429	22.462	11.1	0.08	2.17	150
Beckman Access/LXi725	57	21.060	6.3	0.22	2.04	1

▲ Your Result	23.690	SDI	1.29
		RMSDI	Too Few
■ Mean for Comparison	21.060	TS	60
		RMTS	Too Few
		%DEV	12.5
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602 Test II	255	23.305	4.6	0.08
Roche Cobas 4000/e411 Test II	225	23.476	5.1	0.10
Abbott Architect	142	22.556	7.3	0.17
Beckman Dxl 600/800	125	19.292	5.5	0.12
Abbott Architect 2nd gen	75	22.720	5.6	0.19
Roche Cobas e801 Test II	66	23.529	3.6	0.13
Abbott Alinity i	63	22.770	4.6	0.16
Siemens Centaur XP/XPT/Classic TSTII	58	20.594	7.0	0.24
Siemens/DPC Immulite 2000/2500	55	27.281	8.9	0.41
Beckman Access/LXi725	57	21.060	6.3	0.22
Siemens Centaur XP/XPT/Classic TSTO	39	20.887	8.7	0.36
Ortho Vitros 3600/5600/ECi/XT 7600	34	31.150	9.3	0.62
bioMerieux VIDAS Testosterone II	31	17.548	5.3	0.21
Siemens Atellica IM	32	21.174	4.0	0.19
Roche Elecsys Test II	29	23.190	5.8	0.31
SNIBE Maglumi analysers	27	24.685	12.3	0.73
bioMerieux, VIDAS	26	18.365	8.9	0.40
Tosoh AIA Series	20	30.834	9.7	0.84
Siemens/DPC Immulite 1000	12	37.518	17.9	2.42
Mindray CL-Series	12	34.525	4.2	0.53
DiaSorin Liaison XL	10	9.910	8.9	0.35

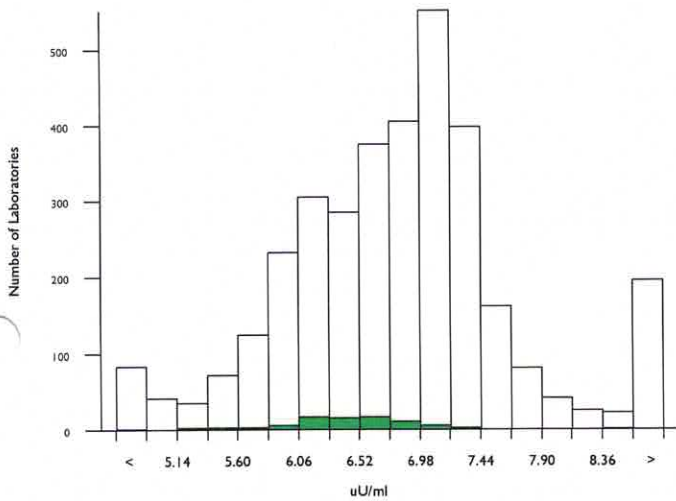
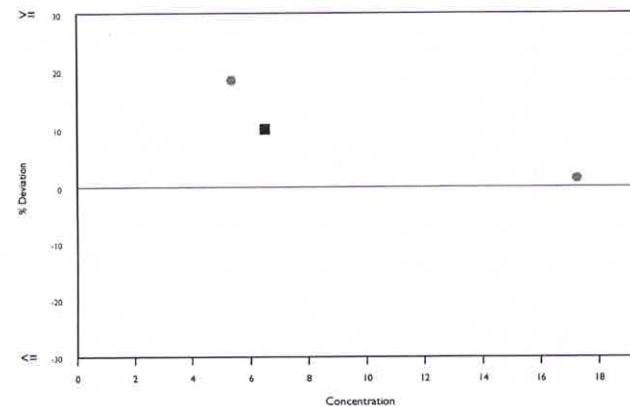
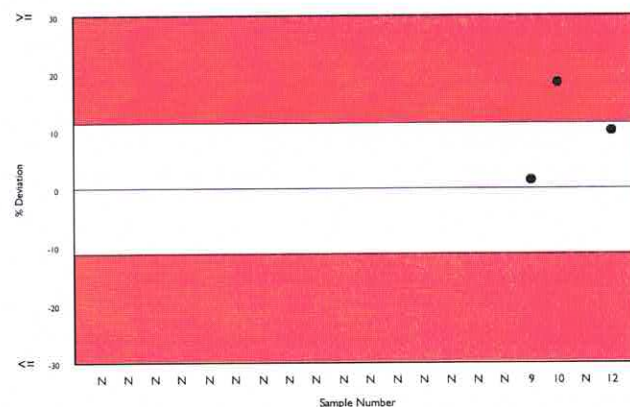
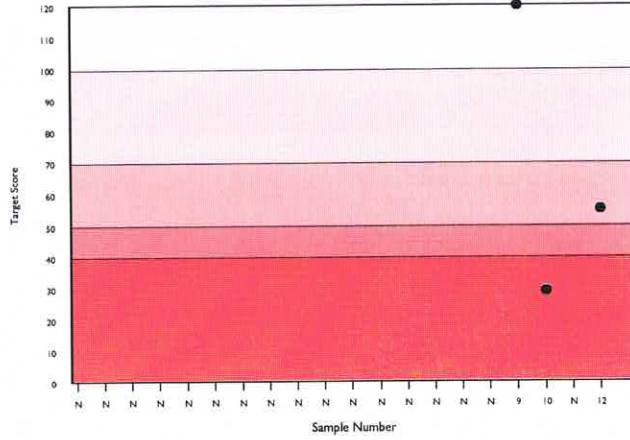
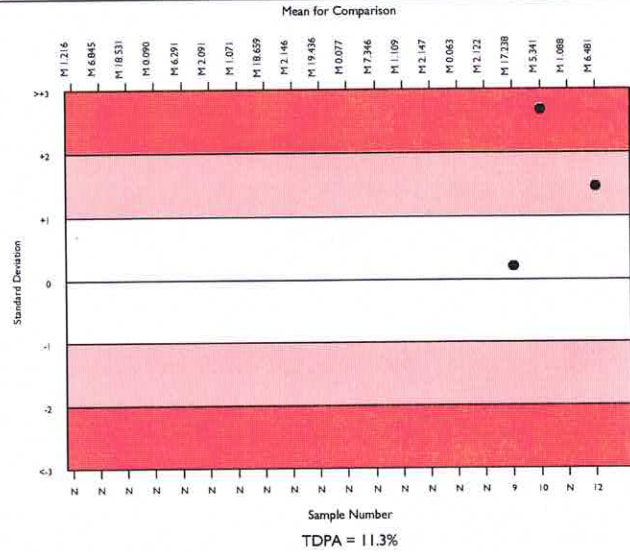


TSH, uU/ml

	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	3101	6.758	9.1	0.01	0.46	329
<input checked="" type="checkbox"/> Access/LXi725 hyper TSH 3rd gen	79	6.481	6.0	0.05	0.45	6

<input checked="" type="checkbox"/> Your Result	7.131	SDI RMSDI	1.46 Too Few
<input checked="" type="checkbox"/> Mean for Comparison	6.481	TS RMST	55 Too Few
		%DEV RM%DEV	10.0 Too Few

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



Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602	602	7.110	3.0	0.01
Abbott Architect	509	6.220	5.0	0.02
Roche Cobas 4000/e411	418	7.169	4.2	0.02
Beckman DXI600/800/ Access 2 (3rd IS)	251	6.309	5.3	0.03
Roche Cobas e801	178	6.746	2.6	0.02
Abbott Alinity i	127	5.966	3.8	0.03
Siemens Centaur XP/XPT/Classic	107	7.266	4.1	0.04
Siemens Centaur XP/Classic TSH3-Ultra	104	7.213	3.7	0.03
Ortho Vitros 3600/S600/ECI/XT 7600	79	9.696	4.3	0.06
Access/LXi725 hyper TSH 3rd gen	79	6.481	6.0	0.05
Siemens Atellica IM	77	7.112	5.1	0.05
Roche Elecsys	54	7.048	5.0	0.06
Siemens/DPC Immulite 2000/2500	50	6.997	5.8	0.07
Tosoh AIA Series	51	7.735	7.5	0.10
SNIBE Maglumi analysers	48	4.989	4.0	0.04
bioMerieux, VIDAS, TSH	45	5.359	8.2	0.08
Mindray CL-Series	41	8.602	4.9	0.08
Beckman Dxl 600/800 Hyper TSH	33	6.247	4.2	0.06
Beckman Dxl 600/800 1st generation	32	6.408	4.9	0.07
Siemens/DPC Immulite 1000	31	6.722	7.2	0.11
DiaSorin Liaison XL	29	11.949	5.9	0.16

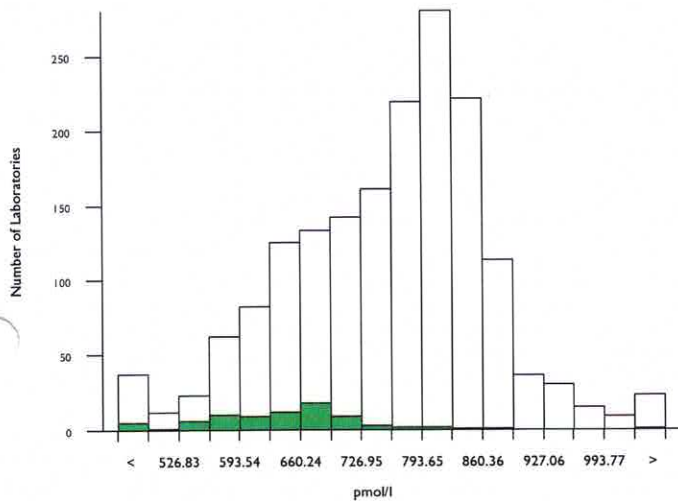


Vitamin B12, pmol/l

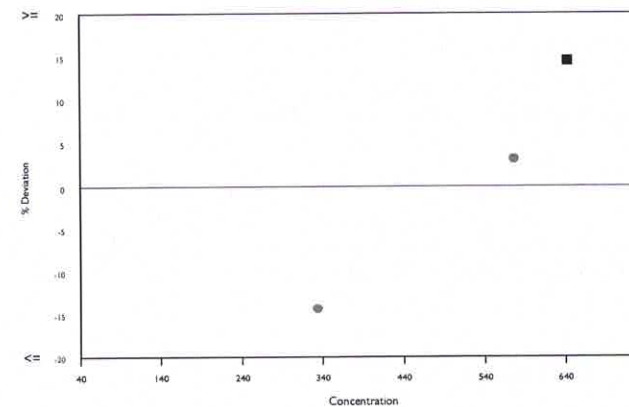
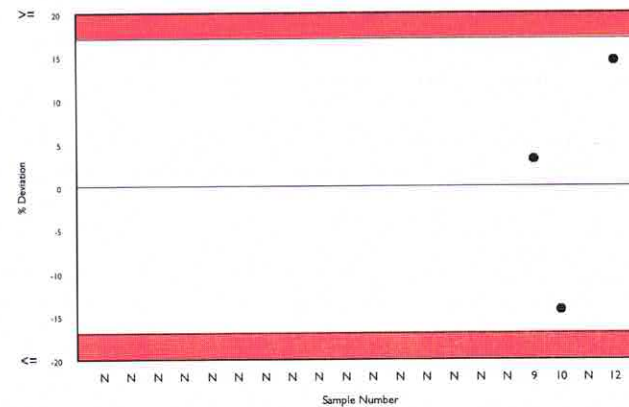
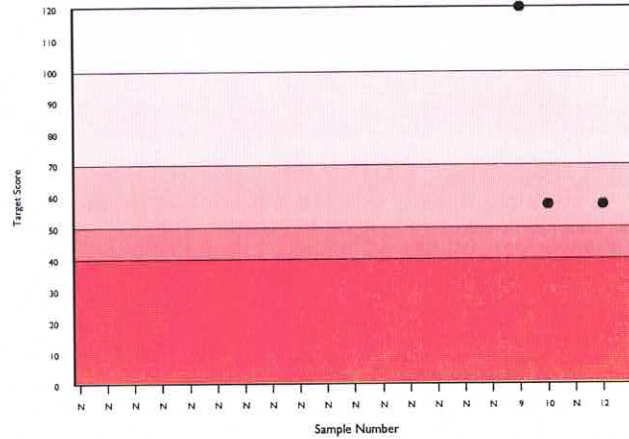
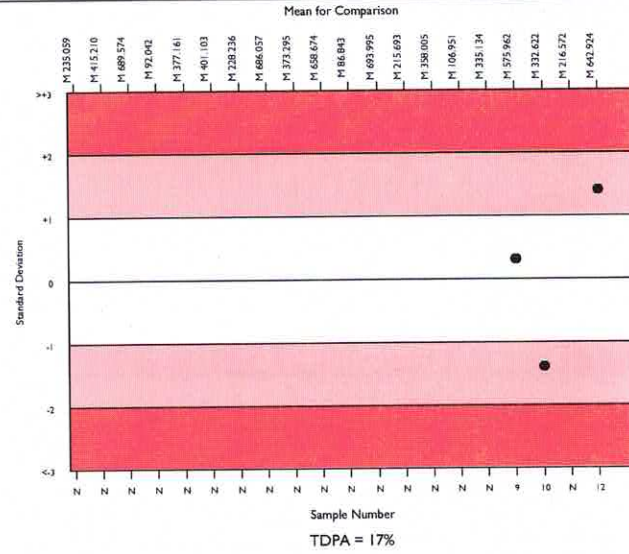
	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	1609	760.304	11.7	2.77	78.58	119
<input checked="" type="checkbox"/> Beckman Access/LXi725	69	642.924	9.0	8.73	66.45	11

<input checked="" type="checkbox"/> Your Result	736.000	SDI	1.40
		RMSDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	642.924	TS	57
		RMTS	Too Few
		%DEV	14.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.00%



Method	N	Mean	CV%	U _m
Abbott Architect	295	743.694	8.0	4.35
Roche Cobas e601/ 602 Gen II	272	820.355	4.0	2.51
Roche Cobas 4000/e411 Gen II	206	793.065	6.6	4.55
Beckman Dxl 600/800	157	627.994	6.2	3.88
Siemens Centaur XP/XPT/Classic	142	807.955	9.3	7.91
Roche Cobas e801 Gen II	119	829.858	3.7	3.55
Beckman Access/LXi725	69	642.924	9.0	8.73
Abbott Alinity i	71	712.131	8.9	9.40
Siemens Atellica IM	45	838.558	7.0	10.96
Ortho Vitros 3600/5600/ECi/XT 7600	43	654.443	5.1	6.32
Siemens/DPC Immulite 2000	30	648.354	8.4	12.44
Roche Elecsys	28	814.947	6.4	12.41
SNIBE Maglum analysers	25	633.976	6.0	9.55
Tosoh AIA Series	18	897.075	7.8	20.63
Mindray CL Series	16	1115.826	8.9	30.87
Siemens Centaur CP	7	902.805	4.5	19.27
Siemens Dimension	7	739.010	2.8	9.87
Roche Cobas e601/ 602 USE VBC62	4	805.838	0.7	3.61
Siemens/DPC Immulite 1000	3	535.050	35.3	136.49
HPLC	2	804.420	1.3	9.22
Roche Cobas 4000/e411 USE VBRC2	2	820.464	1.1	8.06



Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
AFP	101.927	No Result		Too Few		Too Few		Too Few	
CEA	34.491	36.000	0.64	Too Few	4.4	Too Few	91	Too Few	
Ferritin	138.893	140.700	0.16	Too Few	1.3	Too Few	120	Too Few	
FSH	45.730	50.550	1.52	Too Few	10.5	Too Few	53	Too Few	
hCG	157.044	165.870	0.72	Too Few	5.6	Too Few	86	Too Few	
LH	37.582	37.740	0.06	Too Few	0.4	Too Few	120	Too Few	
Oestradiol	1281.492	1362.320	0.72	Too Few	6.3	Too Few	86	Too Few	
Progesterone	65.135	76.090	1.72	Too Few	16.8	Too Few	48	Too Few	
Prolactin	687.113	33.960	-9.04	Too Few	-95.1	Too Few	10	Too Few	▲
PSA, Free	18.600	1919.000	1366.41	Too Few	999.0	Too Few	10	Too Few	▲
Sex Hormone Binding Globulin	39.182	37.700	-0.46	Too Few	-3.8	Too Few	105	Too Few	
Free T3	12.134	11.040	-1.09	Too Few	-9.0	Too Few	68	Too Few	
Free T4	35.621	34.290	-0.50	Too Few	-3.7	Too Few	101	Too Few	
Free Testosterone (Pilot)	552.084	No Result		Too Few		Too Few	N/A	N/A	
Total Testosterone	21.060	23.690	1.29	Too Few	12.5	Too Few	60	Too Few	
TSH	6.481	7.131	1.46	Too Few	10.0	Too Few	55	Too Few	
Vitamin B12	642.924	736.000	1.40	Too Few	14.5	Too Few	57	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

END OF REPORT



Sample Report
 Access 2 Immunoassay System
 S/N 502186

Sample ID: IMMUNO18-12 Sample Type: Serum
 Patient ID: IMMUNO18-12
 Name:
 Sex: Unknown
 Birth Date:

Instrument: 502186

<u>Test Name</u>	<u>Result</u>	<u>Ref. Range</u>	<u>Flags</u>	<u>Dilution</u>	<u>Completed</u>
CEA2	36 ng/mL		CEX LEX PEX	1	10.12.20 22:18
CK-MB	1.0 ng/mL			1	10.12.20 21:51
FRT4	34.29 pmol/L			1	10.12.20 22:08
FT3	11.04 pmol/L			1	10.12.20 22:08
Ferritin	140.7 ng/mL			1	10.12.20 22:16
HCG5	165.87 mIU/mL			1	10.12.20 21:54
PRL	33.96 ug/L		CEX PEX	1	10.12.20 22:17
PSA-Hyb	19.19 ng/mL			1	10.12.20 22:12
Prog	76.09 nmol/L		CEX PEX	1	10.12.20 22:14
SHBG	37.70 nmol/L			1	10.12.20 22:11
SNSE2	1362.32 pmol/L			1	10.12.20 22:32
TSH3	7.131 uIU/mL			1	10.12.20 22:06
Testo	23.69 nmol/L			1	10.12.20 22:06
VitB12	736 pmol/L			1	10.12.20 22:17
hFSH	50.55 IU/L		CEX PEX	1	10.12.20 22:33
hLH	37.74 IU/L		CEX PEX	1	10.12.20 22:33

CEX = Curve expired ; PEX = Pack expired ; LEX = Lot expired

Technologist _____