

Proteus Laboratories

MONTHLY IMMUNOASSAY

CYCLE 18 SAMPLE 11

Explanation of codes used in this report

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

Authorised by: Stephen Doherty, RIQAS Manager

Issue No: 1

Issue Date: 03/12/2020

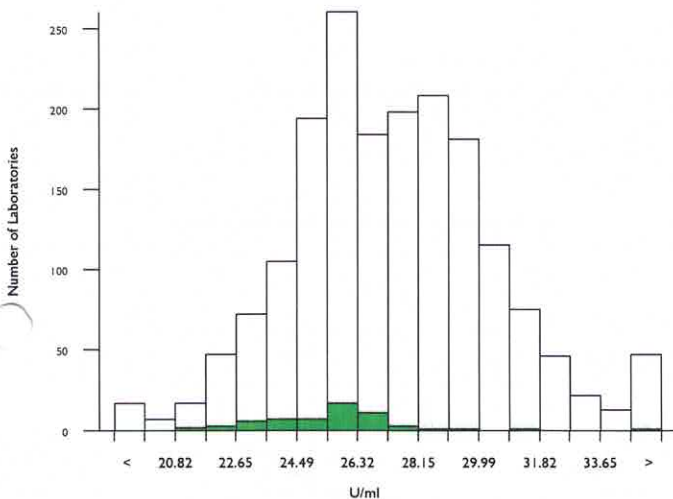
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AFP, U/ml

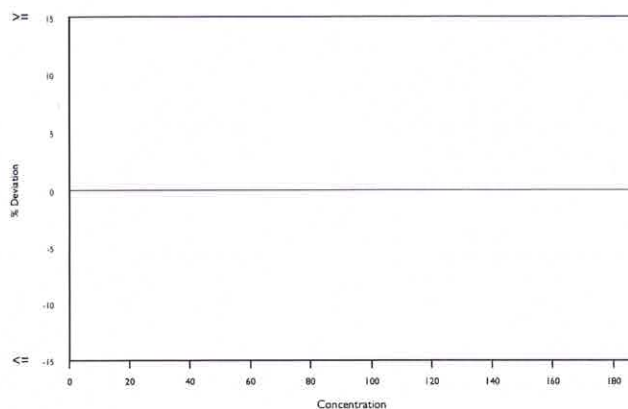
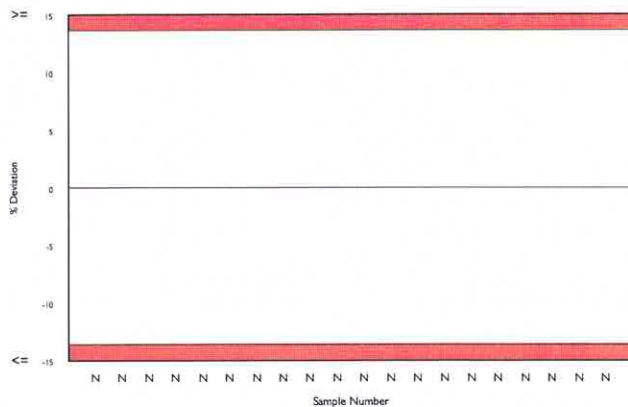
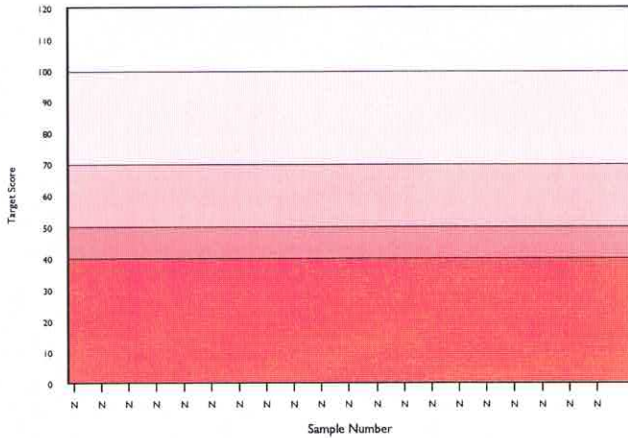
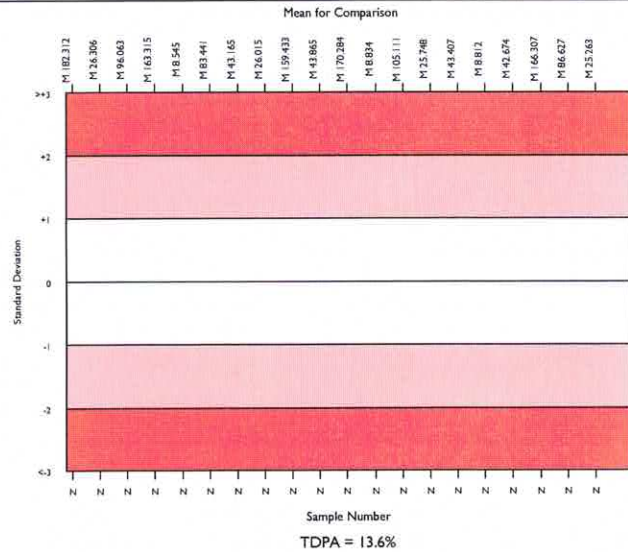
	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	1689	27.241	9.0	0.07	2.25	120
<input checked="" type="checkbox"/> Beckman Access/LXi725	54	25.263	6.0	0.26	2.09	6

▲ Your Result	No Result	SDI	RMSDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	25.263	TS	RMTS	Too Few
		%DEV	RM%DEV	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	324	28.879	4.6	0.09
Abbott Architect	273	25.630	3.2	0.06
Beckman Dxl 600/800	172	24.395	7.4	0.17
Roche Cobas 4000/e411	167	28.642	7.2	0.20
Siemens Centaur XP/XPT/Classic	125	30.658	6.0	0.21
Roche Cobas e801	105	28.130	3.6	0.12
Abbott Alinity i	71	25.634	2.8	0.11
Beckman Access/LXi725	54	25.263	6.0	0.26
Siemens Atellica IM	47	30.901	5.0	0.28
Siemens/DPC Immulite 2000/2500	44	26.418	5.4	0.27
Ortho Vitros 3600/5600/ECi/ XT 7600	37	26.315	8.9	0.48
bioMerieux, Vidas/Mini Vidas	35	25.740	8.3	0.45
SNIBE Maglumi analysers	31	25.631	10.4	0.60
Roche Elecsys	26	26.764	8.8	0.58
DiaSorin Liaison XL	25	27.273	8.9	0.60
Tosoh AIA Series	25	26.200	9.5	0.62
Siemens Centaur CP	19	30.566	8.2	0.72
Siemens/DPC Immulite 1000	15	26.591	12.4	1.07
CIS, IRMA	11	49.305	2.6	0.48
Mindray CL Series	12	23.999	7.7	0.67
DiaSorin, Liaison	10	28.474	8.4	0.94

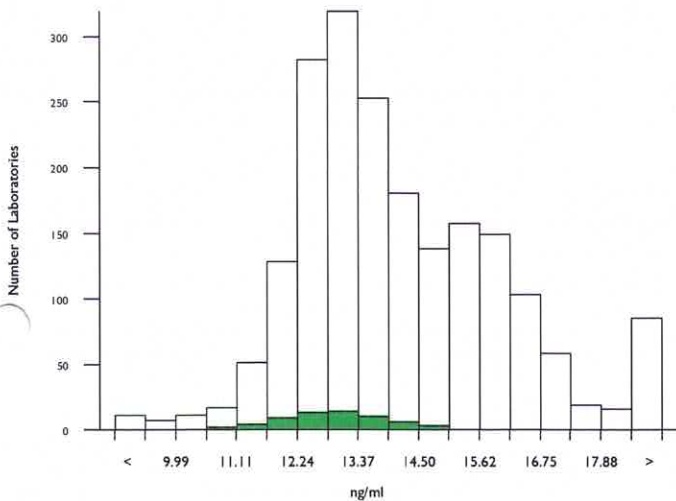


CEA, ng/ml

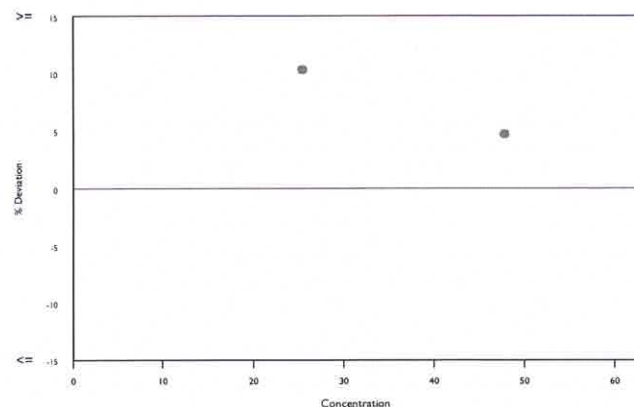
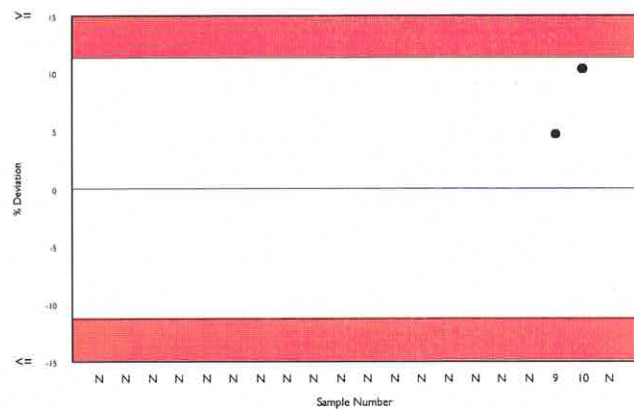
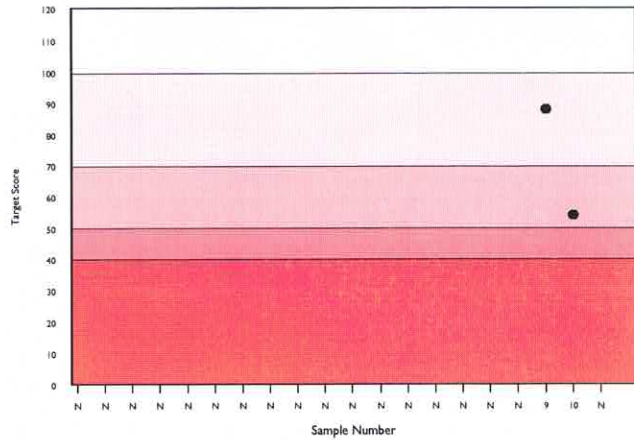
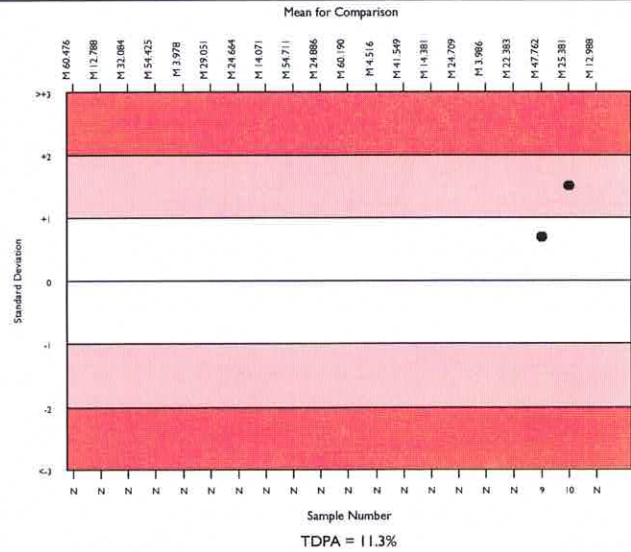
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1847	13.938	10.8	0.04	0.96	136
Beckman Access/LXi725	59	12.988	6.9	0.15	0.89	2

▲ Your Result	No Result	SDI	Too Few
		RMSDI	
■ Mean for Comparison	12.988	TS	Too Few
		RMTS	
		%DEV	Too Few
		RM%DEV	

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	362	12.985	4.0	0.03
Abbott Architect	298	15.960	4.4	0.05
Roche Cobas 4000/e411	202	13.542	6.1	0.07
Beckman Dxl 600/800	171	12.568	5.6	0.07
Siemens Centaur XP/XPT/Classic	139	14.838	5.8	0.09
Roche Cobas e801	114	12.821	3.7	0.06
Abbott Alinity i	82	15.929	4.3	0.09
bioMerieux, VIDAS	60	13.799	5.7	0.13
Beckman Access/LXi725	59	12.988	6.9	0.15
Siemens Atellica IM	52	14.604	5.6	0.14
Siemens/DPC Immulite 2000/2500	45	18.683	8.3	0.29
Ortho Vitros 3600/5600/ECi/XT 7600	38	14.639	3.9	0.11
SNIBE Maglumi analysers	28	13.321	7.0	0.22
Roche Elecsys	26	13.215	7.4	0.24
DiaSorin Liaison XL	27	13.045	6.8	0.21
Tosoh AIA Series	23	20.137	4.5	0.24
Siemens Centaur CP	21	14.317	10.0	0.39
CIS, RIA Coated tube	16	13.144	2.6	0.11
Mindray CL-Series	13	10.087	4.4	0.15
Siemens/DPC Immulite 1000	13	18.446	10.3	0.66
Siemens Dimension	8	13.556	3.2	0.19

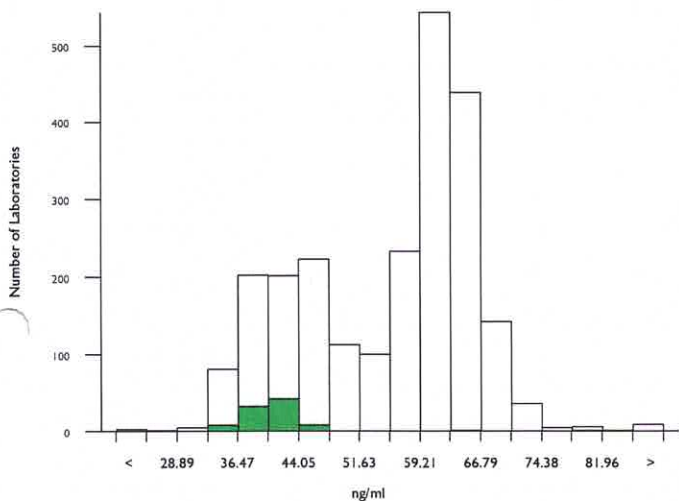


Ferritin, ng/ml

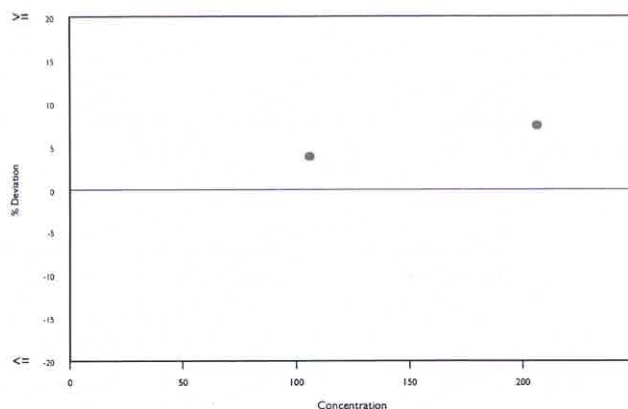
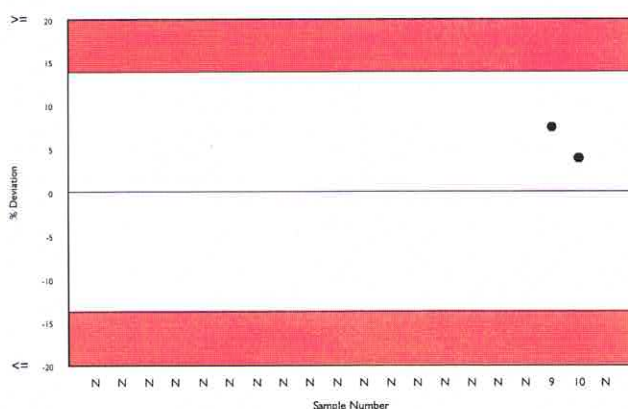
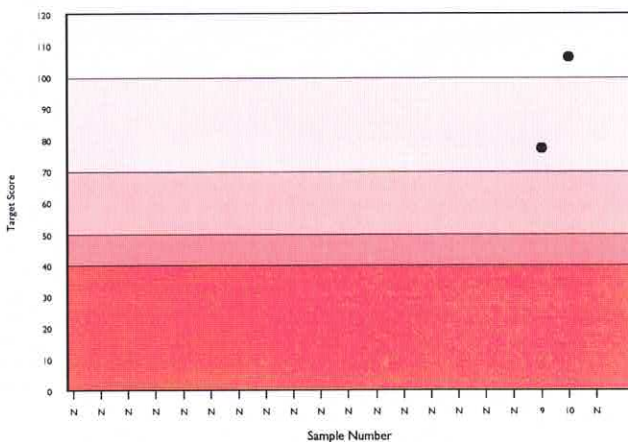
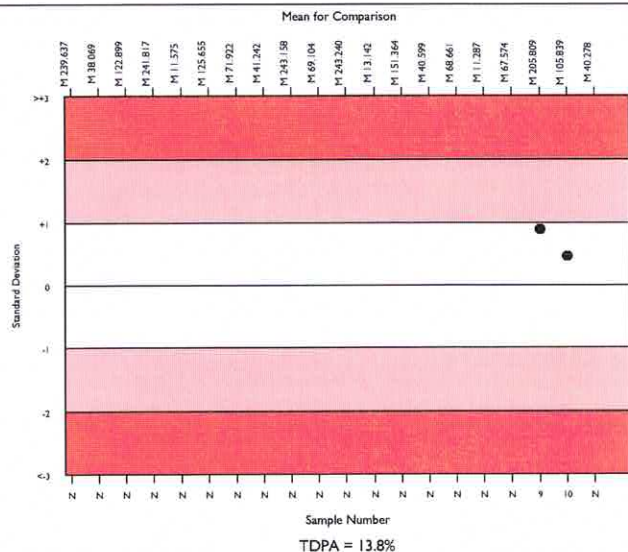
	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	2285	55.426	18.2	0.26	4.65	50
<input checked="" type="checkbox"/> Beckman Access/LXi725	87	40.278	6.2	0.34	3.38	5

<input checked="" type="checkbox"/> Your Result	No Result	SDI	Too Few
		RMSDI	
<input checked="" type="checkbox"/> Mean for Comparison	40.278	TS	Too Few
		RMTS	
		%DEV	Too Few
		RM%DEV	

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	369	62.394	4.9	0.20
Abbott Architect Chemilum	334	62.434	4.6	0.20
Roche Elecsys / Cobas e411	294	62.832	7.0	0.32
Beckman Dxl 600/800	198	39.647	6.7	0.24
Siemens Centaur XP/XPT/Classic	168	45.667	5.4	0.24
Roche Cobas e801	124	61.820	4.4	0.31
Abbott Alinity i	88	62.935	4.6	0.39
Beckman Access/LXi725	87	40.278	6.2	0.34
Siemens Atellica IM	58	45.906	3.8	0.29
Ortho Vitros 3600/5600/ECi/XT/7600	58	36.835	5.9	0.36
Roche Cobas C501/502/503/701	47	61.066	4.4	0.49
bioMerieux, VIDAS	41	48.942	14.6	1.39
Siemens/DPC Immulite 2000/2500	32	52.034	4.5	0.52
Tosoh AIA Series	31	39.118	6.2	0.54
SNIBE Maglumi analysers	31	67.102	8.0	1.21
Beckman AU Instruments	21	47.713	4.2	0.55
Siemens Dimension	24	53.709	13.2	1.81
Mindray CL Series	19	50.053	7.9	1.14
Siemens Centaur CP	19	43.647	8.0	1.00
Roche Cobas 4000/c311	18	62.086	6.4	1.17
Siemens/DPC Immulite 1000	14	47.114	4.5	0.70

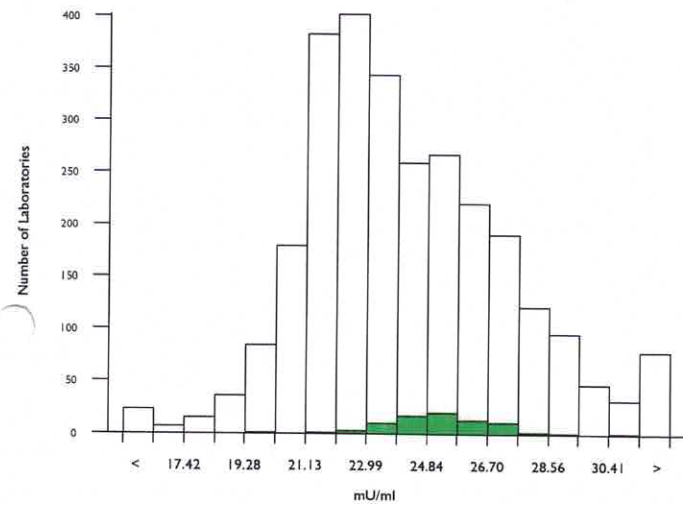


hCG, mU/ml

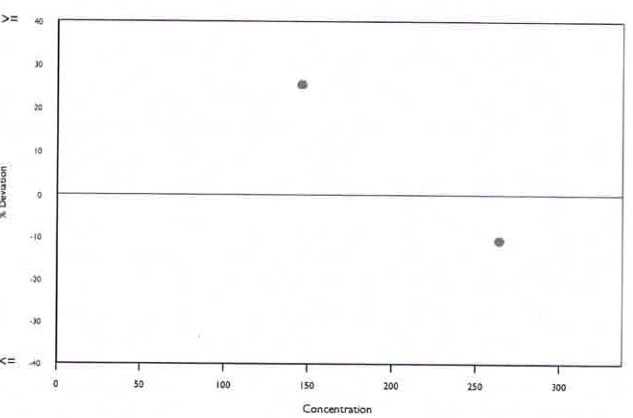
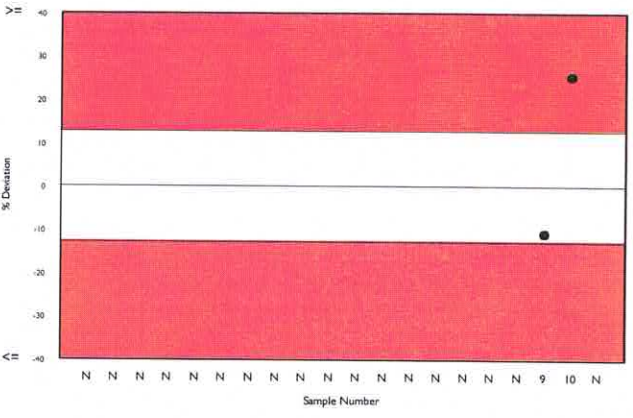
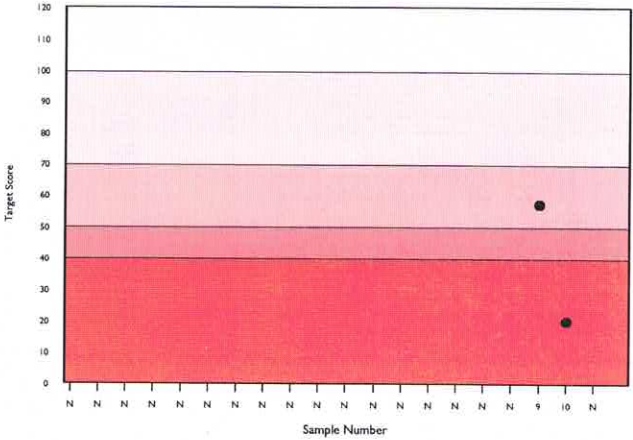
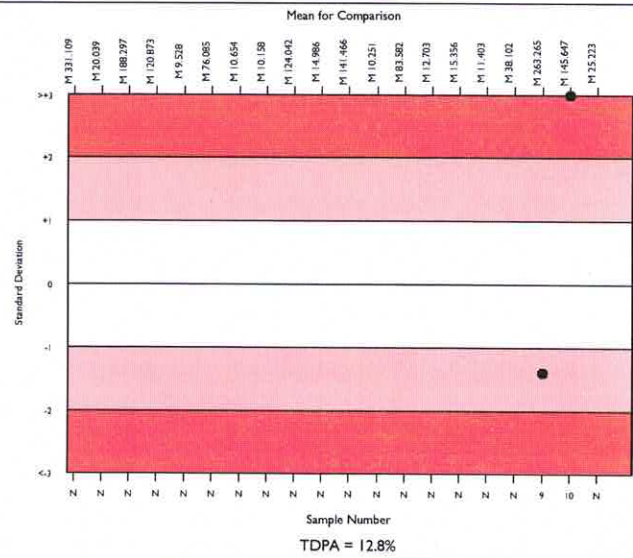
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2599	23.921	10.3	0.06	1.86	181
Beckman Access Total BhCG (5th IS)	76	25.223	5.1	0.19	1.96	4

▲ Your Result	No Result	SDI	RMSEI	Too Few
■ Mean for Comparison	25.223	TS	RMTS	Too Few
		%DEV	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	910	22.166	5.8	0.05
Abbott Architect	425	23.515	7.3	0.10
Siemens Centaur XP/XPT/Classic	179	27.636	5.7	0.15
Beckman Dxl 600/800	119	25.298	5.5	0.16
Roche hCG + Beta e801	104	22.060	3.4	0.09
Abbott Alinity i	99	23.964	6.2	0.19
Ortho Vitros 3600/5600/ECI/XT 7600	80	26.902	6.4	0.24
bioMerieux, VIDAS	75	27.116	7.6	0.30
Beckman DXI Total BhCG (5th IS)	75	25.176	4.1	0.15
Beckman Access Total BhCG (5th IS)	76	25.223	5.1	0.19
Siemens Atellica IM	59	27.833	4.7	0.21
Siemens/DPC Immulite 2000	52	31.304	9.3	0.50
Beckman Access/LXi725	50	25.455	5.3	0.24
Roche hCG STAT(Intact)	43	23.339	6.7	0.30
SNIBE Maglumi analysers	31	24.257	7.2	0.39
Siemens Centaur CP	30	27.433	5.8	0.36
Tosoh AIA Series	29	26.041	5.2	0.31
Siemens Dimension	28	27.171	3.4	0.22
Siemens/DPC Immulite 1000	23	31.583	13.0	1.07
Mindray CL Series	23	19.670	8.8	0.45
DiaSorin Liaison XL	19	26.576	10.8	0.82



LH, mU/ml

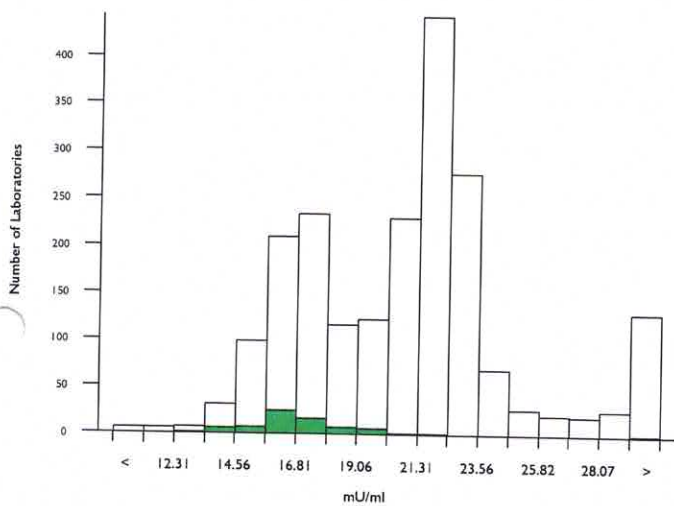
All Methods

Beckman Access/LXi725

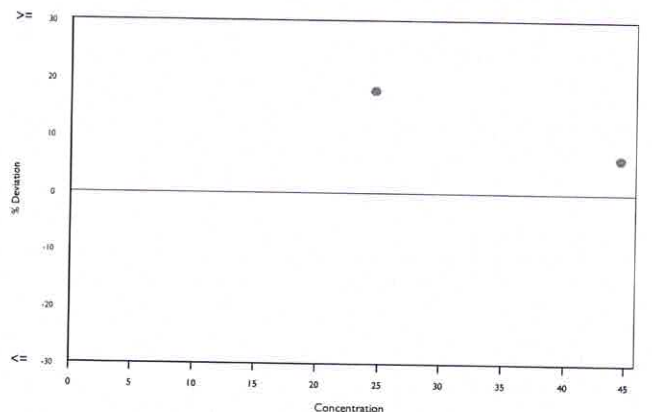
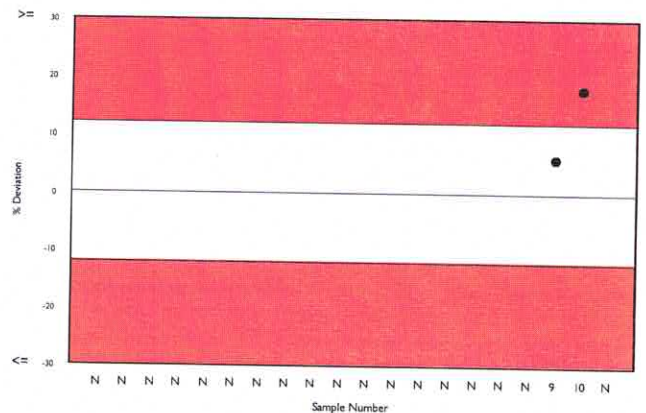
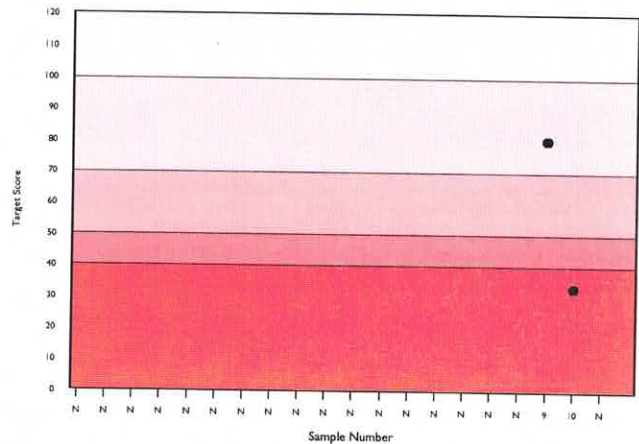
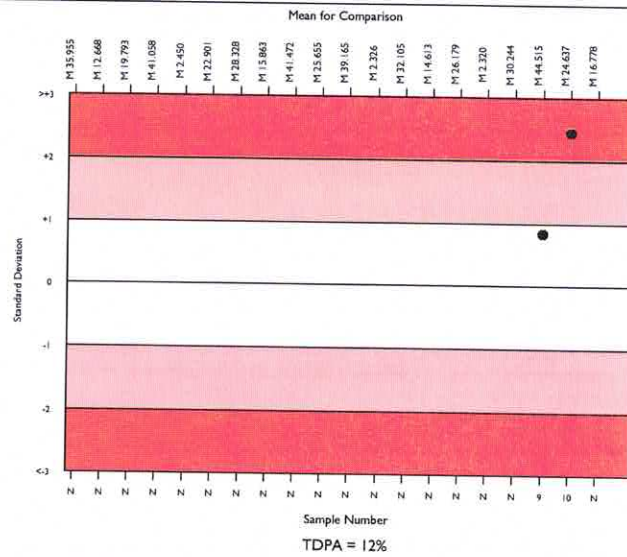
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1911	20.192	14.9	0.09	1.47	159
Beckman Access/LXi725	66	16.778	8.5	0.22	1.22	4

▲ Your Result	No Result	SDI	RMSEI	Too Few
■ Mean for Comparison	16.778	TS	RMTS	Too Few
		%DEV	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	369	22.083	3.7	0.05
Abbott Architect	306	16.969	7.4	0.09
Roche Cobas 4000/e411	267	22.153	5.7	0.10
Beckman Dxl 600/800	166	16.468	6.0	0.10
Siemens Centaur XP/XPT/Classic	137	21.294	5.2	0.12
Roche Cobas e801	102	22.387	2.7	0.07
Abbott Alinity i	73	16.907	3.9	0.10
bioMerieux, VIDAS	66	21.127	4.9	0.16
Beckman Access/LXi725	66	16.778	8.5	0.22
Siemens/DPC Immulite 2000	52	32.935	6.7	0.38
Ortho Vitros 3600/5600/ECi/XT 7600	47	29.613	4.0	0.22
Siemens Atellica IM	46	21.311	3.0	0.12
Roche Elecsys	34	22.123	6.2	0.29
Tosoh AIA Series	29	18.123	7.2	0.30
SNIBE Maglumi analysers	28	28.347	6.5	0.44
Siemens/DPC Immulite 1000	21	33.610	6.0	0.55
Mindray CL-Series	16	20.719	13.2	0.85
Siemens Centaur CP	12	20.962	6.9	0.52
DiaSorin Liaison XL	13	25.541	7.1	0.62
DiaSorin, Liaison	7	26.087	3.0	0.37
Fujirebio Lumipulse G Series	8	19.190	5.9	0.50

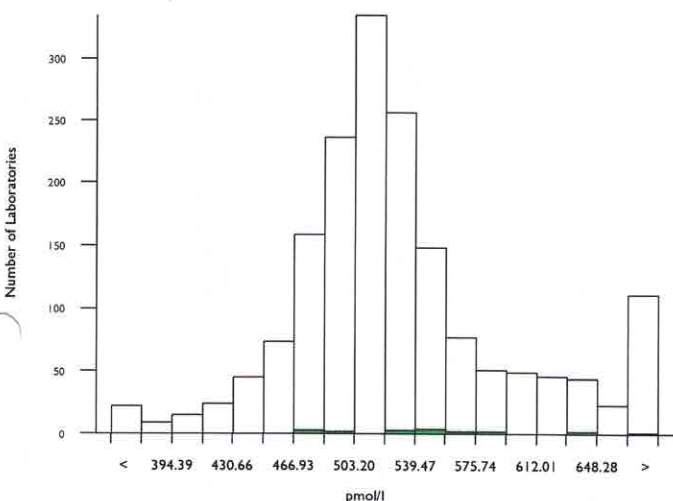


Oestradiol, pmol/l

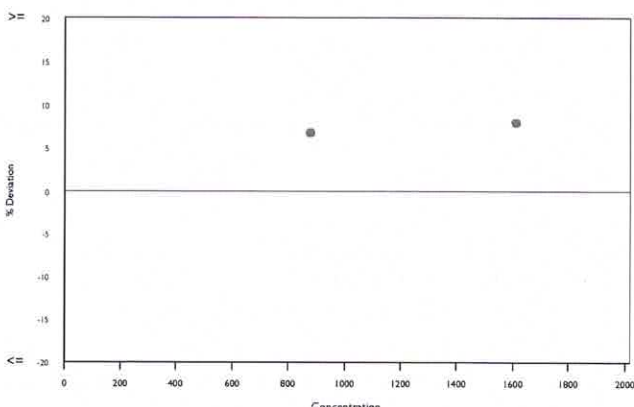
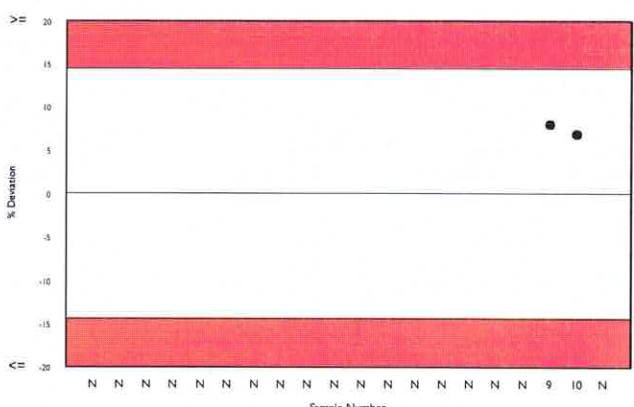
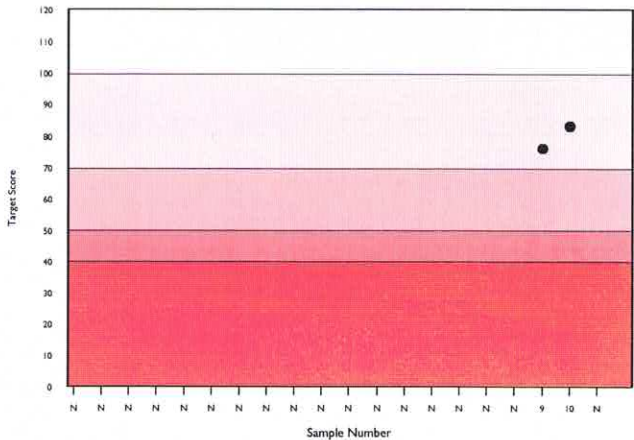
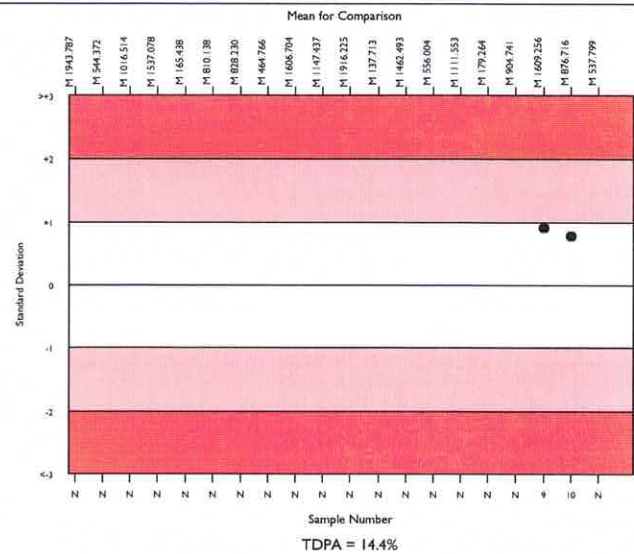
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1568	521.338	9.3	1.53	45.64	153
Beckman Access/LXi725 Sensitive B84493	17	537.799	8.0	13.08	47.08	2

▲ Your Result	No Result	SDI	Too Few
		RMSDI	
■ Mean for Comparison	537.799	TS	Too Few
		RMTS	
		%DEV	
		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)	272	524.743	3.5	1.40
Abbott Architect	255	501.569	4.9	1.92
Roche Cobas 4000/e411 (Estradiol III)	140	503.548	4.9	2.59
Roche Cobas e801 (Estradiol III)	95	514.353	3.7	2.42
Roche Cobas 4000/e411 (Estradiol II)	80	501.400	5.9	4.12
Beckman Dxl 600/800 Sensitive B84493	85	485.778	6.3	4.12
Siemens Centaur XP/XPT/Classic (eE2)	76	613.329	5.7	4.99
Roche Cobas e601/ 602 (Estradiol II)	68	517.476	4.9	3.85
Abbott Alinity i	65	503.049	6.4	5.02
bioMerieux, VIDAS	60	715.235	7.0	8.08
Beckman Dxl 600/800	56	517.493	7.5	6.46
Siemens Centaur XP/XPT/Classic	48	606.748	5.4	5.96
Siemens Atellica IM	40	632.046	4.4	5.51
Ortho Vitros 3600/5600/ECI/XT 7600	30	499.766	8.2	9.39
Beckman Access/LXi725	22	586.128	11.6	18.17
Roche Elecsys (Estradiol II)	18	499.952	6.4	9.42
SNIBE Maglumi analysers	17	542.492	3.9	6.48
Siemens/DPC Immulite 2000/2500	18	515.597	11.1	16.92
Beckman Access/LXi725 Sensitive B84493	17	537.799	8.0	13.08
Tosoh AIA Series (E2)	10	384.184	8.1	12.26
Roche Elecsys (Estradiol III)	11	523.304	9.7	19.07

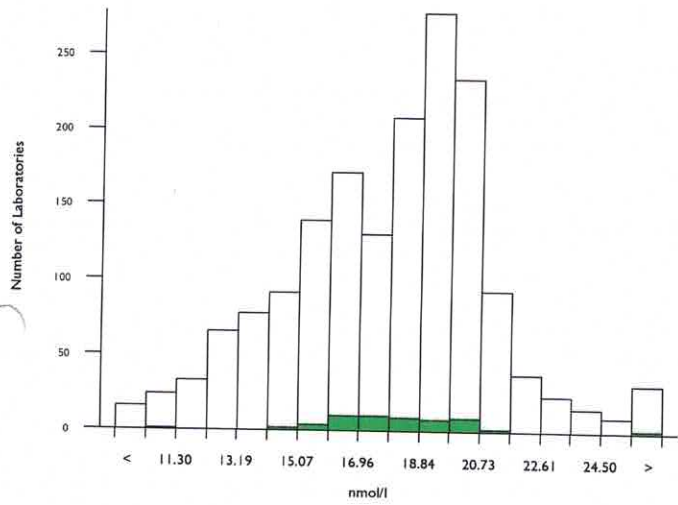


Progesterone, nmol/l

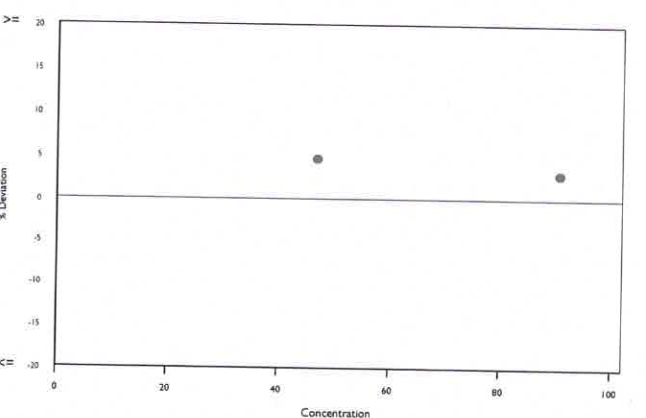
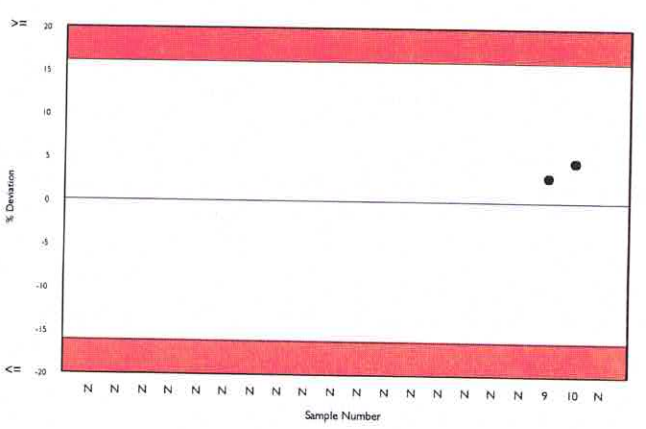
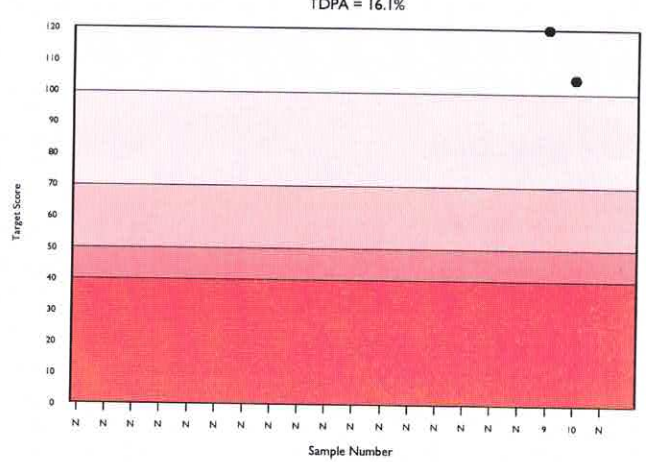
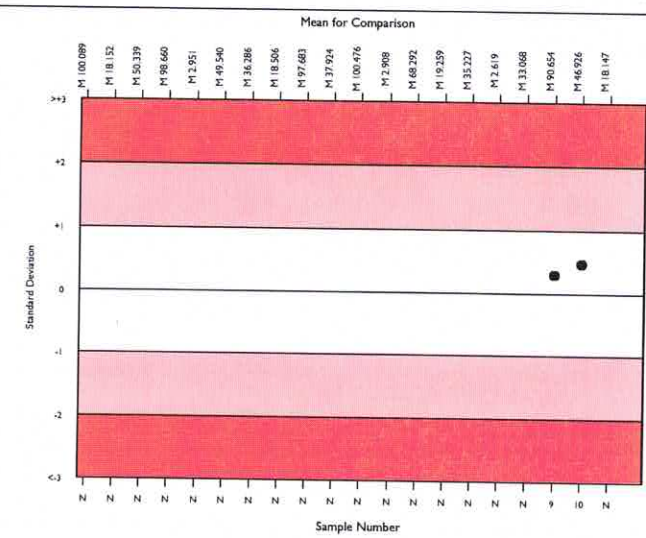
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1560	17.905	14.0	0.08	1.75	119
Beckman Access Prog. Cal 33555	53	18.147	9.0	0.28	1.78	4

▲ Your Result	No Result	SDI	RMSDI	Too Few
■ Mean for Comparison	18.147	TS	RMTS	Too Few
		%DEV	RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.10%



Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602 (Prog. III)	242	19.733	4.4	0.07
Abbott Architect	222	16.264	6.1	0.08
Roche Cobas 4000/e411 (Prog. II)	105	19.457	5.5	0.13
Siemens Centaur XP/XPT/Classic	106	12.403	8.1	0.12
Beckman DXI Prog. Cal 33555	110	17.248	9.0	0.18
Roche Cobas 4000/e411 (Prog. III)	98	19.471	3.8	0.09
Roche Cobas e601/ 602 (Prog. II)	95	19.673	5.0	0.13
Roche Cobas e801 (Prog III)	92	19.138	3.9	0.10
bioMerieux, VIDAS	58	22.668	7.4	0.28
Abbott Alinity i	60	15.592	5.9	0.15
Beckman Access Prog. Cal 33555	53	18.147	9.0	0.28
Siemens/DPC Immulite 2000/2500	50	14.393	8.1	0.21
Siemens Atellica IM	38	13.751	4.8	0.13
Ortho Vitros 3600/5600/ECi/XT 7600	26	17.873	6.0	0.26
Beckman DXI Prog.DE Cal. A80773	28	14.746	16.7	0.58
Siemens/DPC Immulite 1000	24	17.491	11.6	0.52
Tosoh AIA Series	20	18.459	13.0	0.67
Roche Elecsys (Prog. II)	19	19.334	3.0	0.17
SNIBE Maglumi analysers	16	20.302	6.2	0.39
Siemens Centaur CP	10	13.092	6.3	0.33
Mindray CL-Series	9	22.386	7.5	0.70

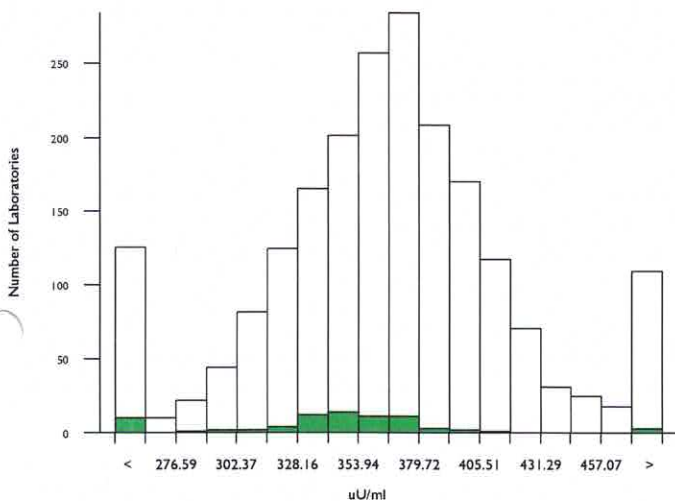


Prolactin, uU/ml

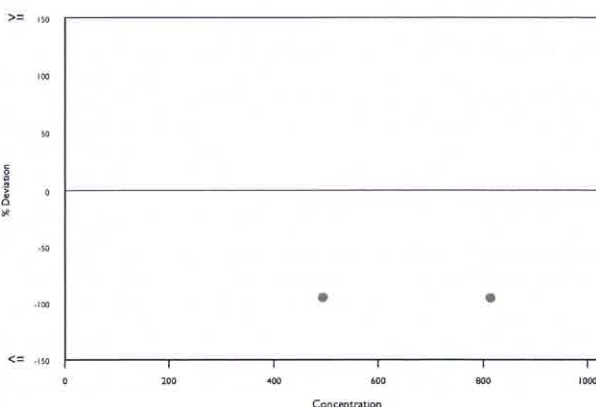
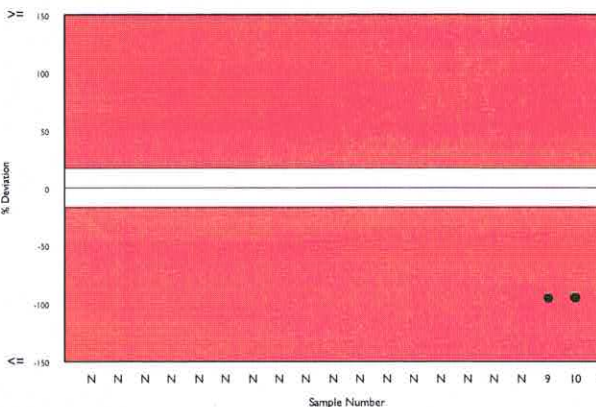
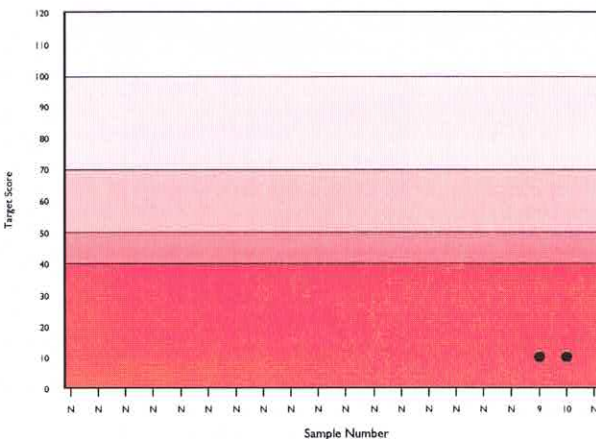
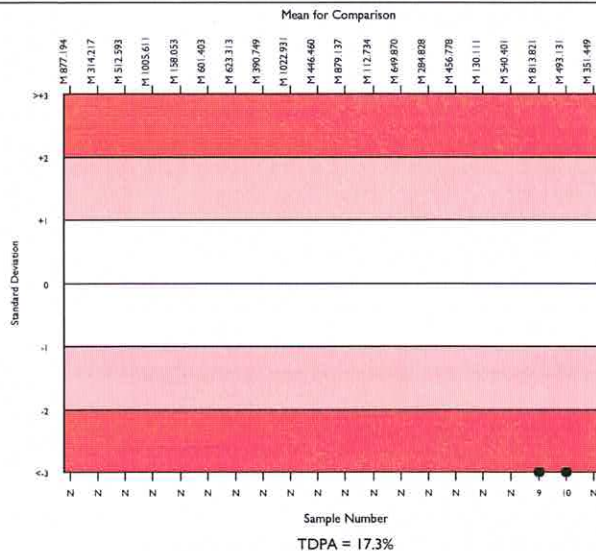
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1783	366.836	9.4	1.02	38.58	278
Beckman Access/LXi725	57	351.449	5.4	3.13	36.96	19

▲ Your Result	No Result	SDI	Too Few
		RMSDI	Too Few
■ Mean for Comparison	351.449	TS	Too Few
		RMETS	Too Few
		%DEV	Too Few
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.30%



Method	N	Mean	CV%	U _m
Roche Cobas e601/ 602	320	368.033	3.7	0.94
Abbott Architect	284	398.635	5.4	1.59
Roche Cobas 4000/e411	264	379.389	5.9	1.73
Beckman Dxl 600/800	150	334.572	5.5	1.87
Siemens Centaur XP/XPT/Classic	137	320.883	5.0	1.71
Roche Cobas e801 PRL II	93	353.827	3.1	1.43
Abbott Alinity i	69	402.034	3.2	1.94
Beckman Access/LXi725	57	351.449	5.4	3.13
bioMerieux, VIDAS	48	503.641	5.8	5.26
Ortho Vitros 3600/5600/ECi/XT 7600	46	346.379	5.4	3.46
Siemens Atellica IM	41	307.810	6.1	3.64
Siemens/DPC Immulite 2000/2500	41	330.106	8.2	5.26
Roche Elecsys/EI70/Cobas e601/ 602 PRLII	38	369.471	5.5	4.11
SNIBE Maglumi analysers	31	360.230	4.7	3.84
Tosoh AIA Series	25	377.863	12.4	11.72
Roche Elecsys	24	383.213	5.2	5.11
Siemens/DPC Immulite 1000	18	357.689	6.0	6.29
Mindray CL-Series	15	476.676	8.0	12.29
Siemens Centaur CP	14	291.398	8.8	8.60
DiaSorin Liaison XL	12	416.516	4.9	7.43
Fujirebio Lumipulse G Series	10	452.734	3.3	5.99

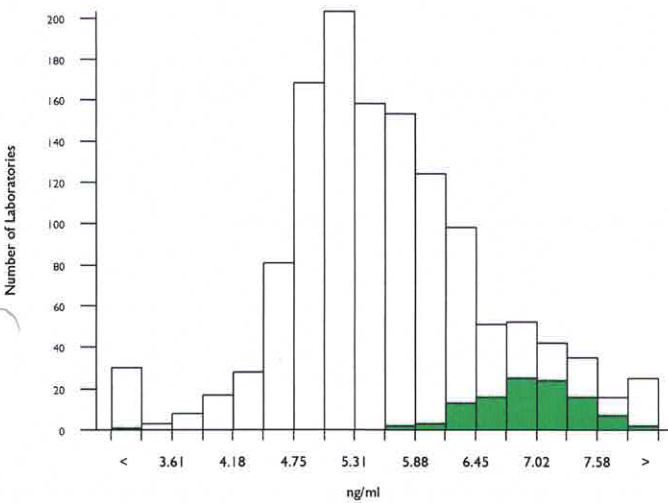


PSA, Free, ng/ml

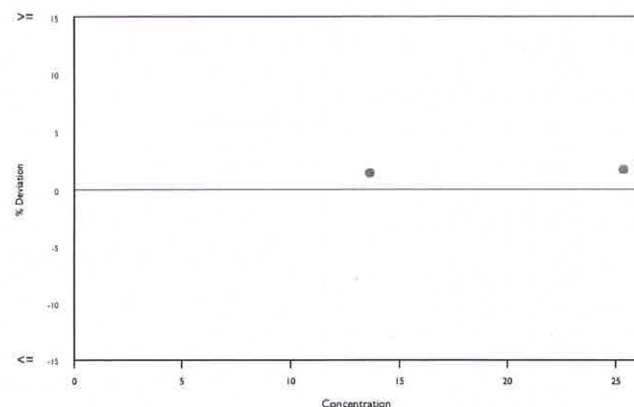
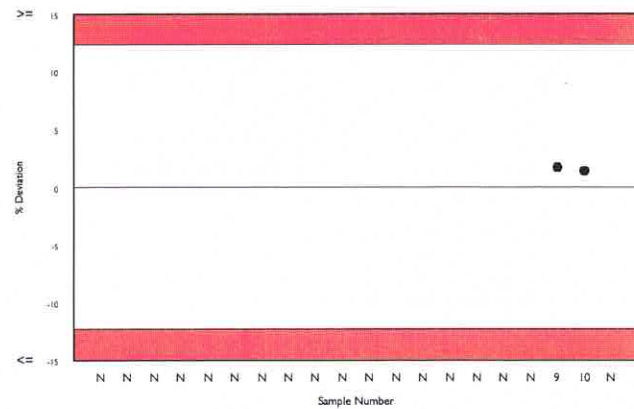
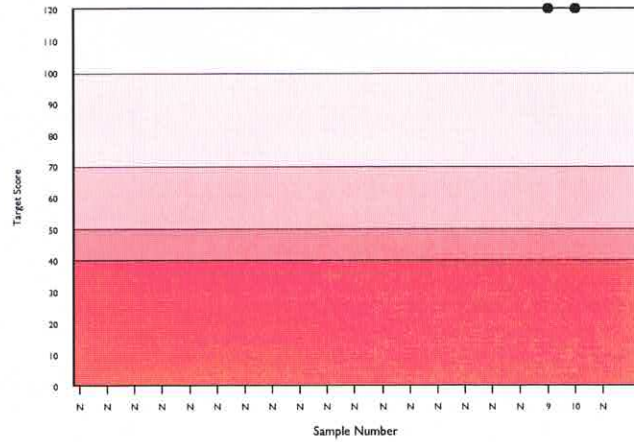
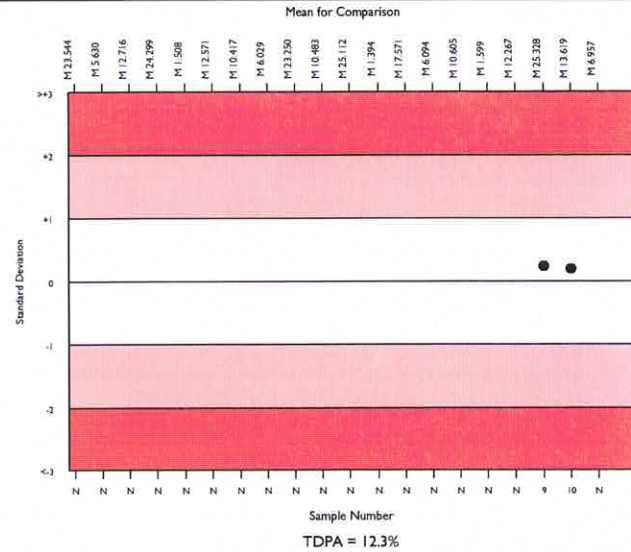
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1205	5.602	13.5	0.03	0.42	87
Beckman DXI standardised to Hybritech	103	6.957	6.0	0.05	0.52	6

▲ Your Result	No Result	SDI	RMSDI	Too Few
■ Mean for Comparison	6.957	TS	RMTS	Too Few
		%DEV	RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.30%



Method	N	Mean	CV%	U _m
Roche Cobas e601/602	246	5.117	4.4	0.02
Abbott Architect	217	5.844	5.4	0.03
Roche Cobas 4000/e411	110	5.174	6.2	0.04
Siemens Centaur XP/XPT/Classic	106	5.971	6.2	0.04
Beckman DXI standardised to Hybritech	103	6.957	6.0	0.05
Roche Cobas e801	76	4.939	2.9	0.02
Abbott Alinity i	56	5.948	4.5	0.04
Beckman Access standardised to Hybritech	44	7.250	5.5	0.08
Siemens Atellica IM	30	6.010	4.7	0.07
Siemens/DPC Immulite 2000/2500	30	5.290	5.1	0.06
BioMerieux VIDAS	21	7.918	7.8	0.17
Roche Elecsys	16	5.062	4.6	0.07
SNIBE Maglumi analysers	13	4.383	7.4	0.11
Mindray CL Series	14	6.362	8.4	0.18
Tosoh AIA Series	13	4.538	7.0	0.11
Ortho Vitros 3600/5600/ECi PSA II/XT7600	12	4.279	4.8	0.07
DiaSorin Liaison XL	10	2.388	3.8	0.04
Beckman DXI standard to WHO IRP96/670	9	6.213	11.6	0.30
Siemens/DPC Immulite 1000	9	4.993	13.9	0.29
DiaSorin, Liaison	8	2.364	11.7	0.12
Siemens/Dade Dimension Vista	7	4.959	2.7	0.06



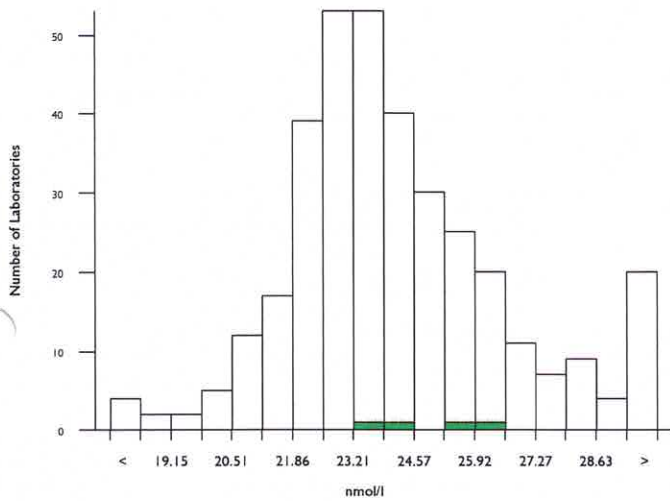
Sex Hormone Binding Globulin, nmol/l

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	323	23.896	7.6	0.13	1.96	30
Beckman Access	4	24.865	4.6	0.71	2.16a	0

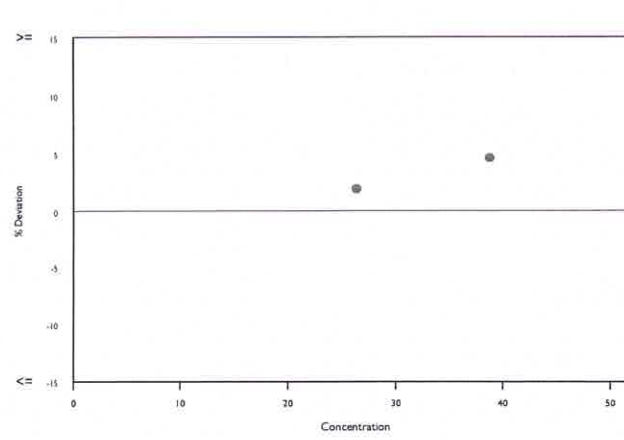
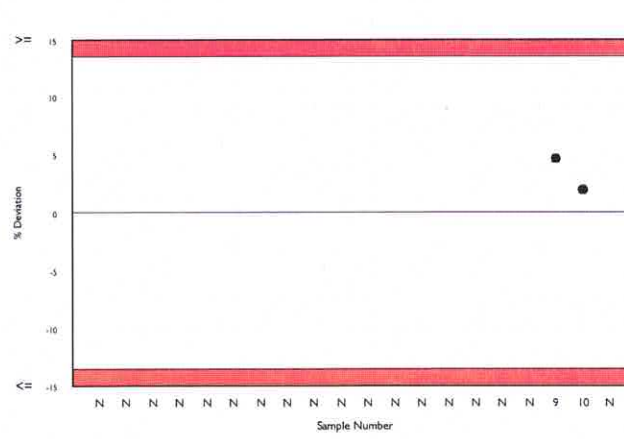
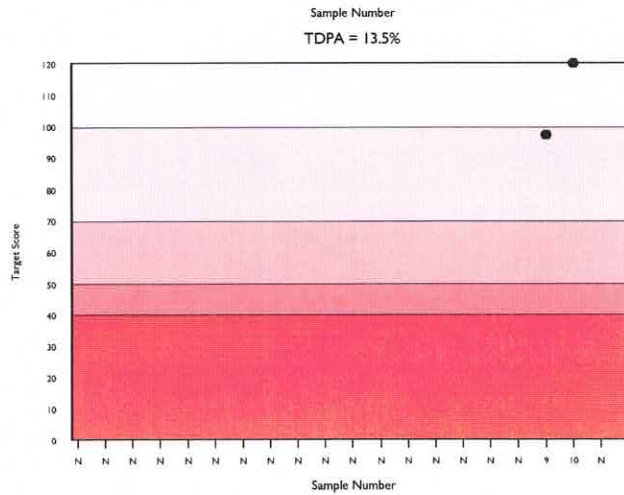
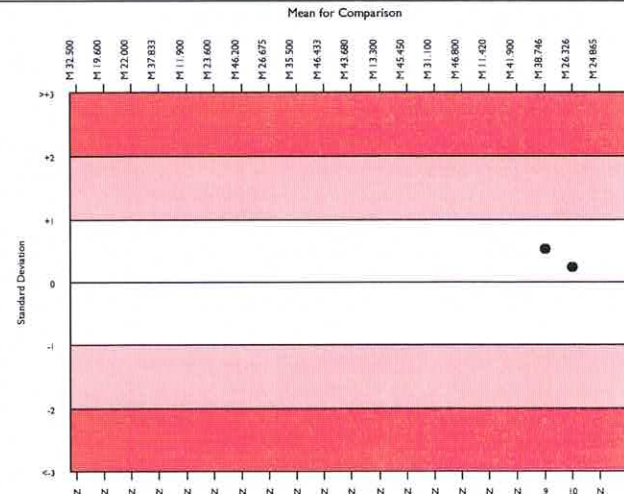
▲ Your Result	No Result	SDI	Too Few
		RMSDI	
■ Mean for Comparison	24.865	TS	Too Few
		RMTS	
		%DEV	Too Few
		RM%DEV	

The mean for comparison is not statistically significant

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



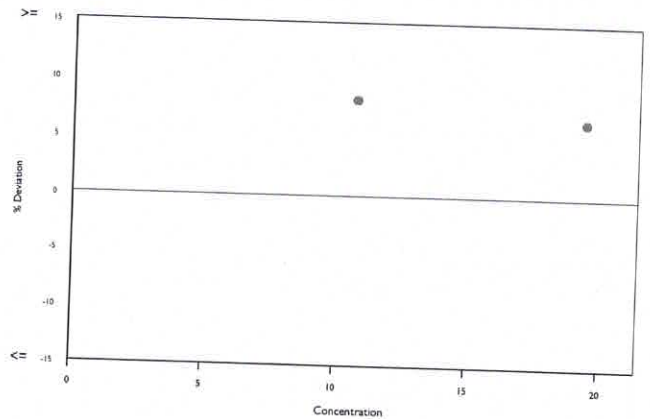
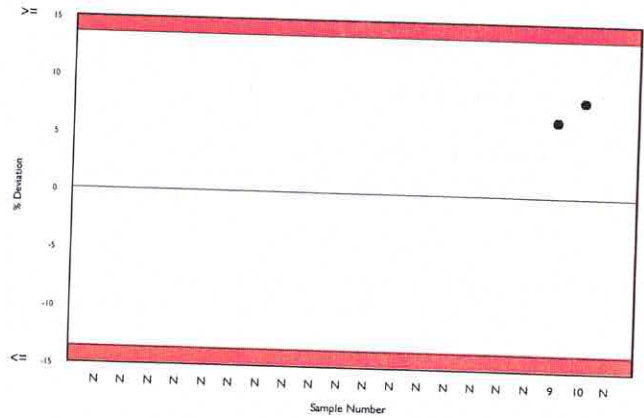
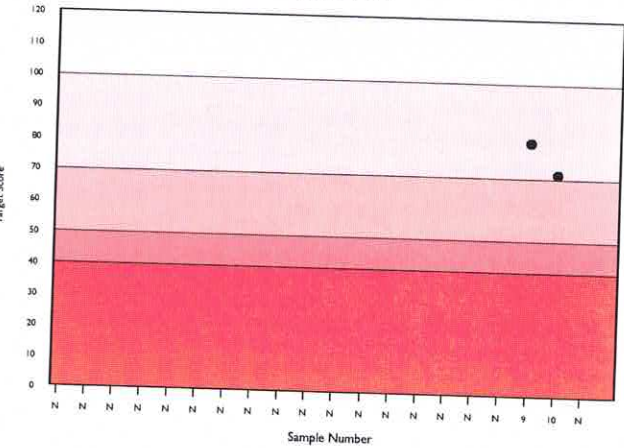
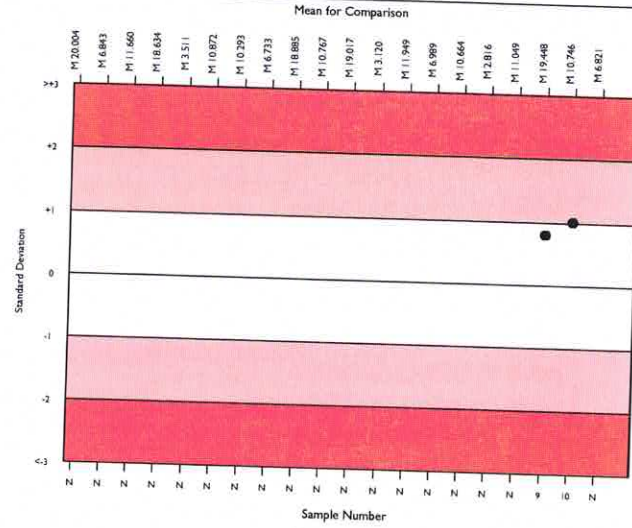
Method	N	Mean	CV%	U _m
Roche analysers - 413417/15	100	23.216	4.6	0.13
Siemens/DPC Immulite 2000/2500	38	25.609	5.2	0.27
Abbott Architect	39	24.484	9.4	0.46
Roche e801 - 413429	33	22.719	2.5	0.12
Beckman DXI 600/800	30	25.045	6.2	0.35
Abbott Alinity i	18	24.201	5.0	0.35
Siemens Centaur (Ref 10997191)	14	22.574	5.1	0.39
SNIBE Maglumi Analysers	11	31.340	2.3	0.27
Siemens Atellica IM	7	23.770	7.2	0.81
Tosoh AIA-CL Series	5	23.706	1.8	0.24
Siemens/DPC Immulite 1000	4	24.350	8.9	1.36
Diasorin Liaison XL	4	28.950	3.2	0.58
Beckman Access	4	24.865	4.6	0.71
ELISA	3	24.410	12.1	2.13
Roche analysers - 367466/71 USE SHC62	2	23.125	2.4	0.49
Siemens Centaur CP	2	21.065	13.9	2.58
Siemens Centaur (Ref 06520781)	2	23.455	3.5	0.73



Free T3, pmol/l

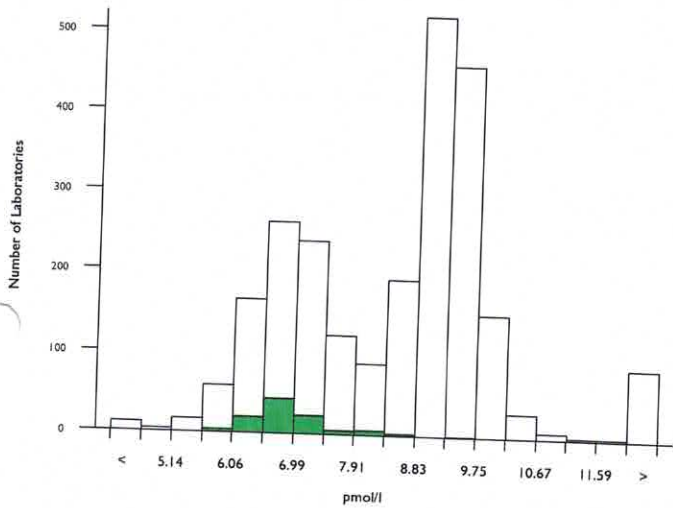
- All Methods
- Beckman Access/LXi725

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2283	8.371	14.7	0.03	0.69	141
Beckman Access/LXi725	93	6.821	5.6	0.05	0.56	12



Symbol	Description	Value	TS	RMSDI	RM%DEV	Exc.
▲	Your Result	No Result				Too Few
■	Mean for Comparison	6.821				Too Few
						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	442	9.460	3.4	0.02
Roche Cobas 4000/e411	282	9.265	4.1	0.03
Abbott Architect, 2 point cal	217	7.135	6.9	0.04
Beckman Dxl 600/800	200	6.419	6.6	0.04
Siemens Centaur XP/XPT/Classic	194	9.002	3.0	0.02
Abbott Architect, 6 point cal	122	7.110	4.6	0.04
Roche Cobas e801	122	9.249	2.8	0.03
Beckman Access/LXi725	93	6.821	5.6	0.05
Abbott Alinity, 6 point cal	68	6.941	4.9	0.05
Ortho Vitros 3600/5600/ECI/XT/7600	64	17.321	7.0	0.19
Siemens Atellica IM	57	9.360	2.0	0.03
Roche Elecsys	45	9.170	4.6	0.08
BioMerieux VIDAS	47	8.337	6.4	0.10
Siemens/DPC Immulite 2000/2500	38	7.052	11.8	0.17
Tosoh AIA Series	34	9.579	7.8	0.16
SNIBE Maglumi analysers	35	7.338	11.8	0.18
Siemens Centaur CP	25	8.986	2.9	0.07
Mindray CL-Series	20	8.076	3.5	0.08
Abbott Alinity, 2 point cal	19	6.854	4.7	0.09
Siemens/DPC Immulite 1000	18	6.639	12.7	0.25
DiaSorin Liaison XL	22	8.826	5.2	0.12

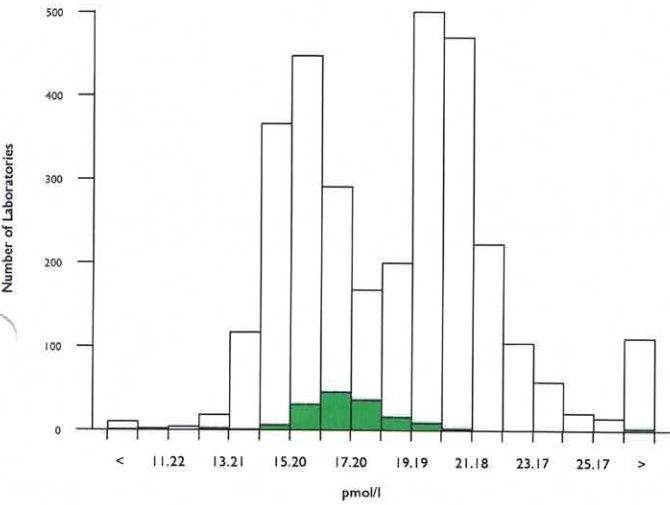


Free T4, pmol/l

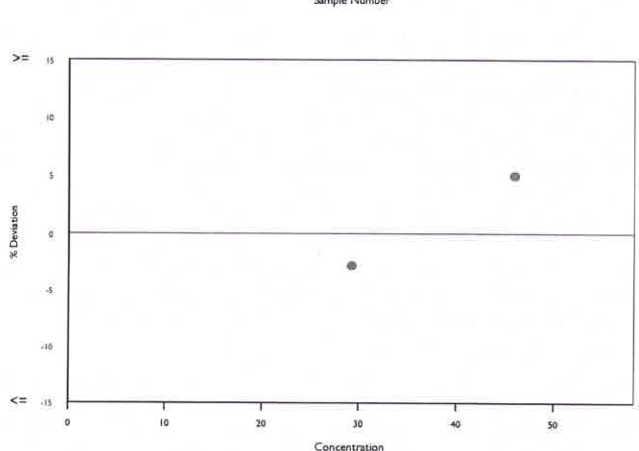
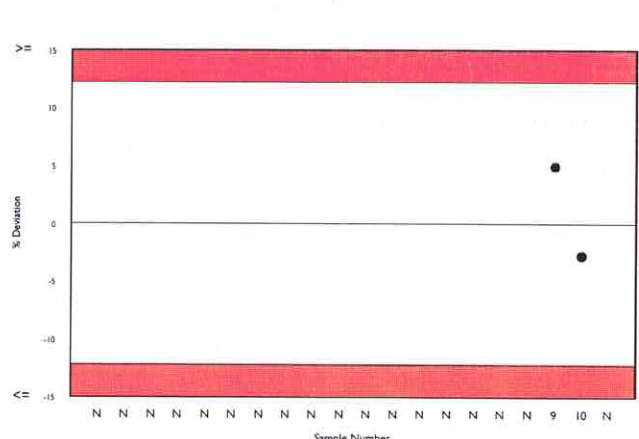
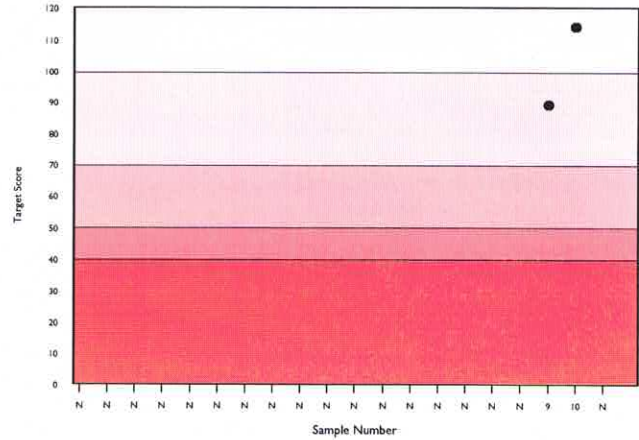
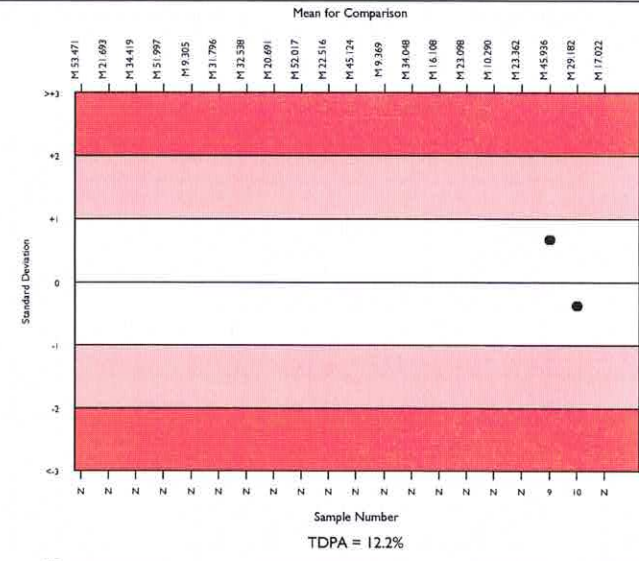
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2947	18.197	14.6	0.06	1.35	169
Beckman Access/LXi725	140	17.022	6.6	0.12	1.26	12

▲ Your Result	No Result	SDI	Too Few
		RMSDI	
■ Mean for Comparison	17.022	TS	Too Few
		RMTS	
		%DEV	
		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	580	20.107	4.1	0.04
Abbott Architect	462	15.089	4.3	0.04
Roche Cobas 4000/e411	374	20.158	4.9	0.06
Beckman Dxl 600/800	251	16.590	5.7	0.07
Siemens Centaur XP/XPT/Classic	222	15.675	6.1	0.08
Roche Cobas e801	150	20.781	3.7	0.08
Beckman Access/LXi725	140	17.022	6.6	0.12
Abbott Alinity i	108	14.526	4.6	0.08
Ortho Vitros 3600/5600/ECI/XT/7600	79	34.163	6.0	0.29
Siemens Atellica IM	67	16.167	4.5	0.11
Siemens/DPC Immulite 2000/2500	53	22.532	4.4	0.17
Roche Elecsys	51	20.610	6.2	0.22
bioMerieux, VIDAS-FT4N Kit	41	21.131	3.9	0.16
SNIBE Maglumi analysers	47	19.973	11.7	0.42
Tosoh AIA Series	41	19.705	8.2	0.32
Siemens Centaur CP	40	16.333	10.7	0.35
Mindray CL-Series	38	18.660	7.0	0.26
Siemens/DPC Immulite 1000	29	23.632	6.2	0.34
DiaSorin Liaison XL	26	22.504	4.8	0.26
DiaSorin, Liaison	14	20.785	7.6	0.53
CIS, RIA Coated tube	8	20.933	6.0	0.55

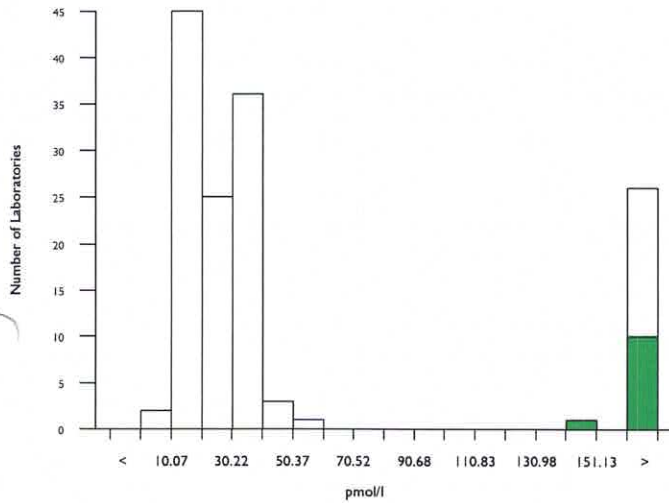


Free Testosterone (Pilot), pmol/l

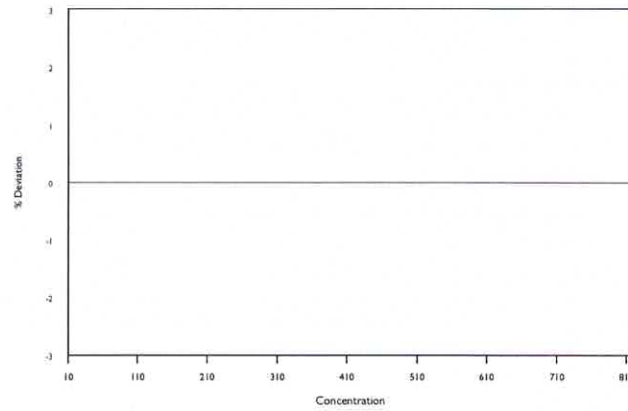
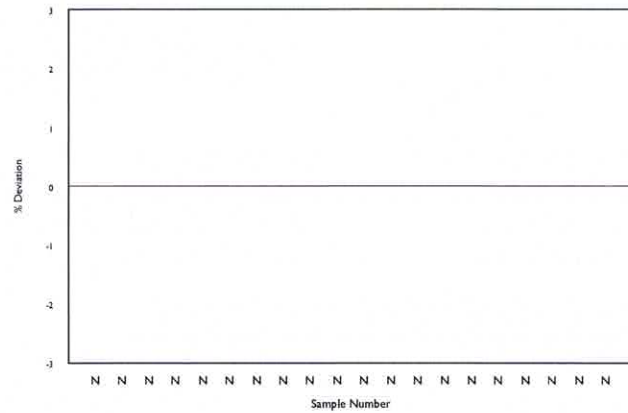
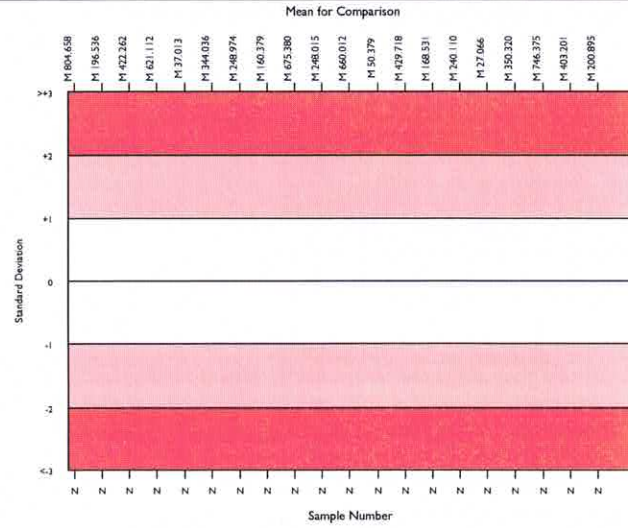
	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	119	36.011	115.9	4.78	41.73	20
<input checked="" type="checkbox"/> Calculated	10	200.895	13.8	10.93	29.74a	1

<input checked="" type="checkbox"/> Your Result	No Result	SDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	200.895	TS	N/A
		RMSTS	
		%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	39	32.555	9.6	0.63
Monobind Inc. ELISA / CLIA	11	20.768	9.9	0.78
Calculated	10	200.895	13.8	10.93
DRG ELISA	9	18.484	11.8	0.91
ELISA	9	17.681	12.8	0.94
DIAsource, RIA	9	14.814	19.8	1.22
Roche Cobas 6000/8000	6	225.396	5.8	6.64
IDS Free Testosterone	5	18.944	4.2	0.45
Novatec ELISA	6	17.692	28.1	2.53
Roche Cobas 4000/e411	4	230.764	10.0	14.41
Diametra ELISA	4	22.746	31.4	4.46
Abbott Architect	3	210.667	16.2	24.59
IBL ELISA	3	35.683	59.3	15.28
DiaSorin (RIA)	1	15.268	0.0	0.00
DBC, ELISA	1	19.467	0.0	0.00

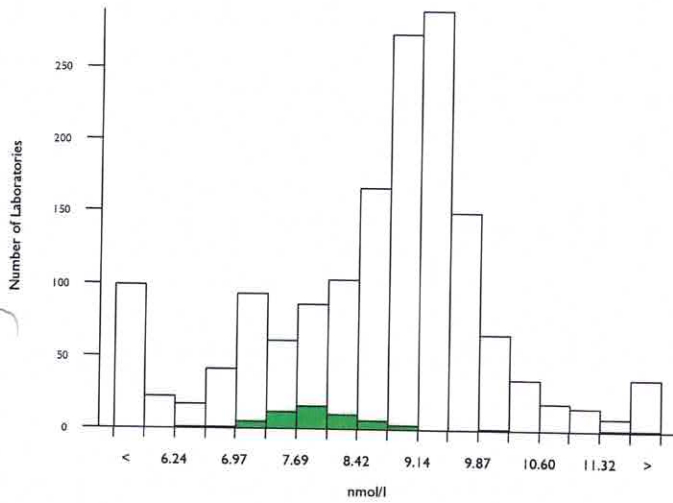


Testosterone, nmol/l

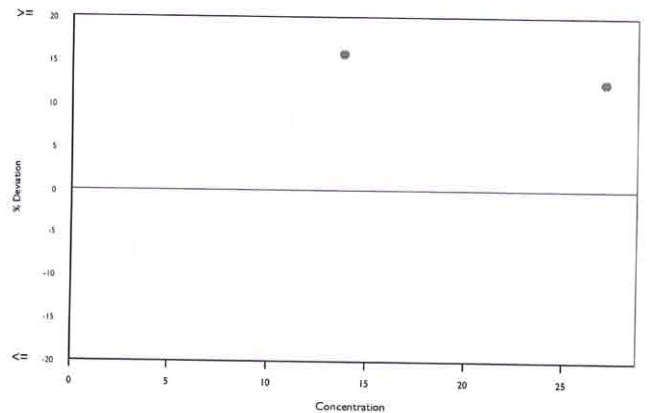
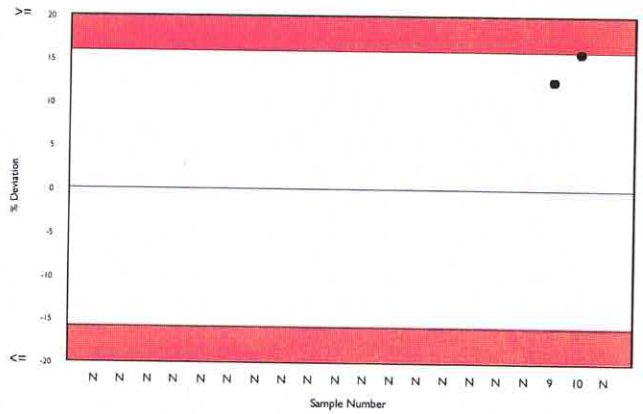
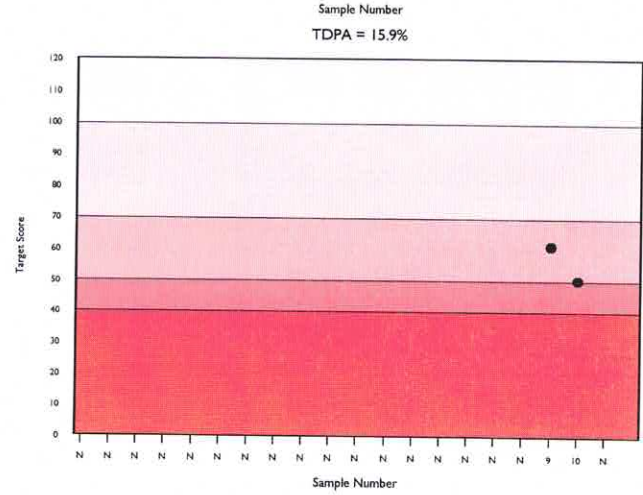
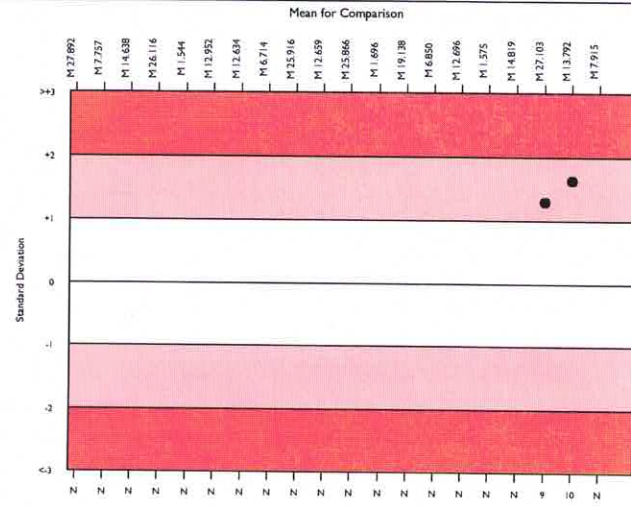
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1419	8.786	11.0	0.03	0.85	163
Beckman Access/LXi725	53	7.915	6.3	0.09	0.77	4

▲ Your Result	No Result	SDI	RMSDI	Too Few
■ Mean for Comparison	7.915	TS	RMTS	Too Few
		%DEV	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	9.156	4.6	0.03
Roche Cobas 4000/e411 Test II	218	9.241	6.0	0.05
Abbott Architect	139	9.066	6.6	0.06
Beckman Dxl 600/800	131	7.242	4.9	0.04
Abbott Architect 2nd gen	78	9.070	5.6	0.07
Roche Cobas e801 Test II	67	9.406	4.1	0.06
Abbott Alinity i	64	9.198	4.2	0.06
Siemens Centaur XP/XPT/Classic TSTII	60	9.192	8.1	0.12
Siemens/DPC Immulite 2000/2500	57	8.040	12.0	0.16
Beckman Access/LXi725	53	7.915	6.3	0.09
Siemens Centaur XP/XPT/Classic TSTO	41	9.174	7.6	0.14
bioMerieux VIDAS Testosterone II	36	5.583	6.4	0.07
Ortho Vitros 3600/5600/ECI/XT 7600	31	7.891	8.7	0.15
Siemens Atellica IM	31	8.957	3.7	0.07
Roche Elecsys Test II	29	9.066	5.9	0.12
bioMerieux, VIDAS	24	5.772	7.6	0.11
SNIBE Maglumi analysers	25	6.137	13.5	0.21
Tosoh AIA Series	19	8.072	9.9	0.23
Siemens/DPC Immulite 1000	13	8.480	19.8	0.58
Mindray CL-Series	10	10.315	7.6	0.31
DiaSorin Liaison XL	10	4.255	12.1	0.20

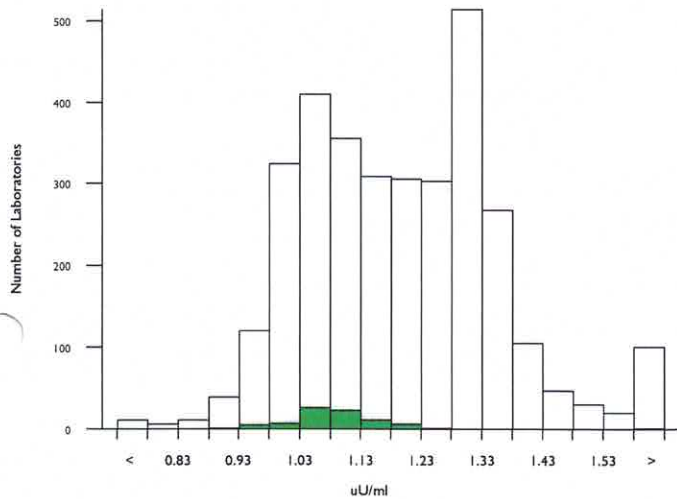


TSH, uU/ml

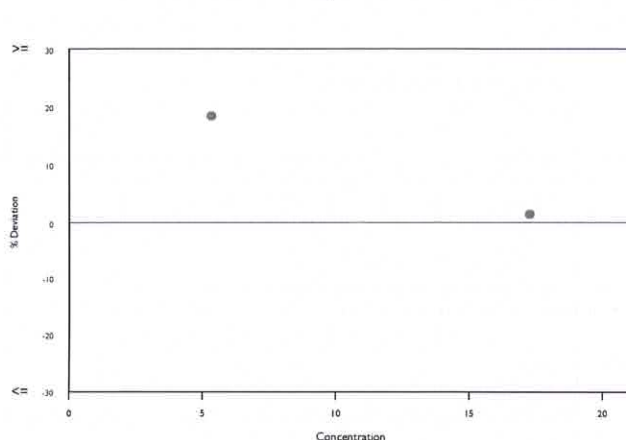
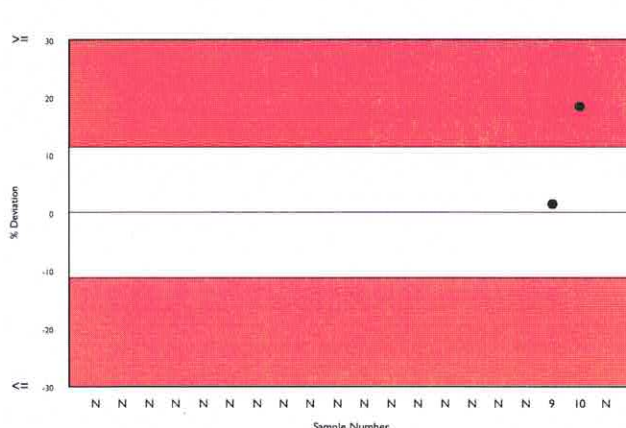
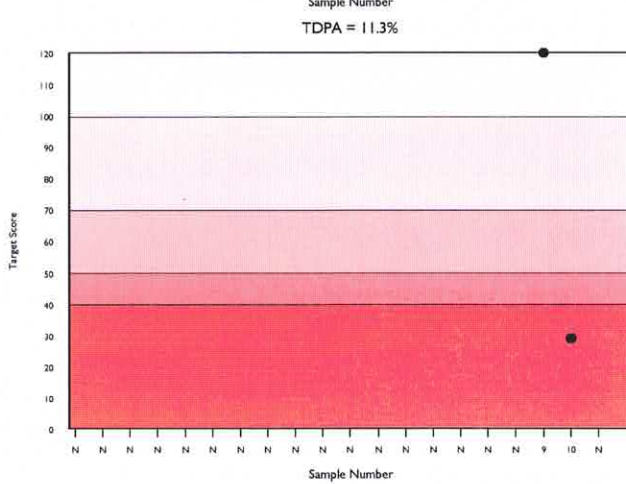
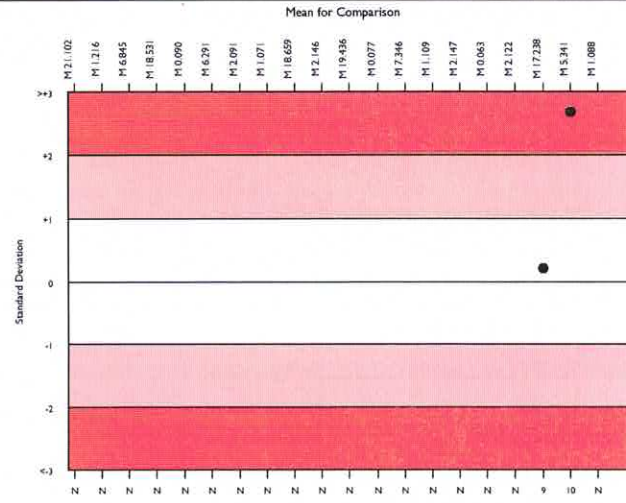
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	3096	1.186	11.1	0.00	0.08	175
Access/LXi725 hyper TSH 3rd gen	76	1.088	5.4	0.01	0.07	5

▲ Your Result	No Result	SDI	Too Few
		RMSDI	Too Few
■ Mean for Comparison	1.088	TS	Too Few
		RMTS	Too Few
		%DEV	Too Few
		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	579	1.307	3.1	0.00
Abbott Architect	490	1.059	5.1	0.00
Roche Cobas 4000/e411	406	1.313	4.4	0.00
Beckman DXI600/800/ Access 2 (3rd IS)	240	1.066	4.9	0.00
Roche Cobas e801	169	1.201	3.5	0.00
Siemens Centaur XP/Classic TSH3-Ultra	110	1.157	4.6	0.01
Abbott Alinity i	110	1.022	3.8	0.00
Siemens Centaur XP/XPT/Classic	107	1.181	6.4	0.01
Ortho Vitros 3600/5600/ECI/XT 7600	78	1.405	4.4	0.01
Access/LXi725 hyper TSH 3rd gen	76	1.088	5.4	0.01
Siemens Atellica IM	67	1.147	4.6	0.01
Siemens/DPC Immulite 2000/2500	57	1.223	6.9	0.01
Roche Elecsys	49	1.281	4.9	0.01
SNIBE Maglumi analysers	49	1.086	5.8	0.01
Tosoh AIA Series	44	1.261	8.2	0.02
bioMerieux, VIDAS, TSH	44	1.031	6.2	0.01
Beckman Dxl 600/800 Hyper TSH	37	1.061	5.1	0.01
Beckman Dxl 600/800 1st generation	33	1.082	4.7	0.01
Mindray CL-Series	33	1.583	4.6	0.02
Siemens/DPC Immulite 1000	29	1.174	7.0	0.02
Siemens Centaur CP	28	1.184	7.3	0.02

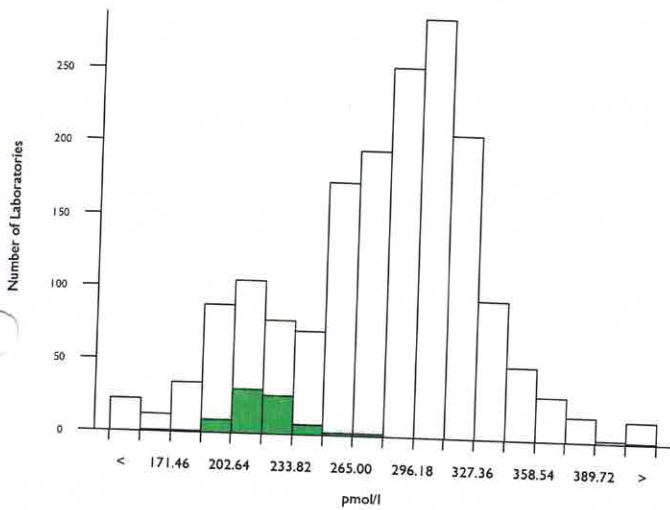


Vitamin B12, pmol/l

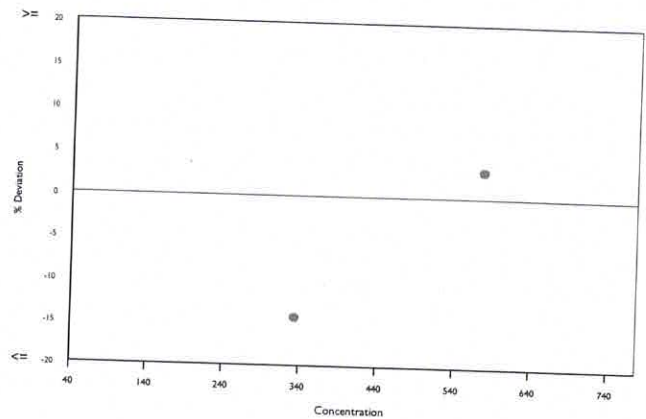
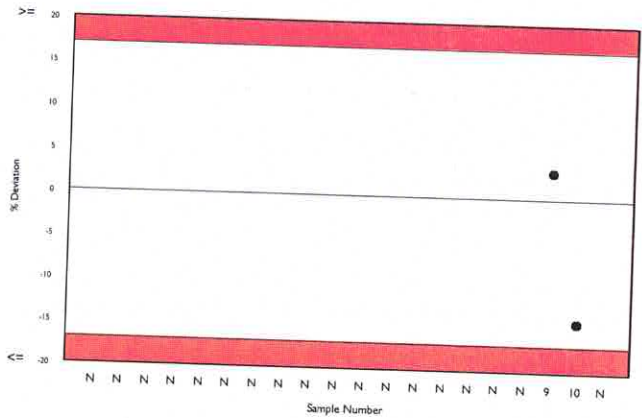
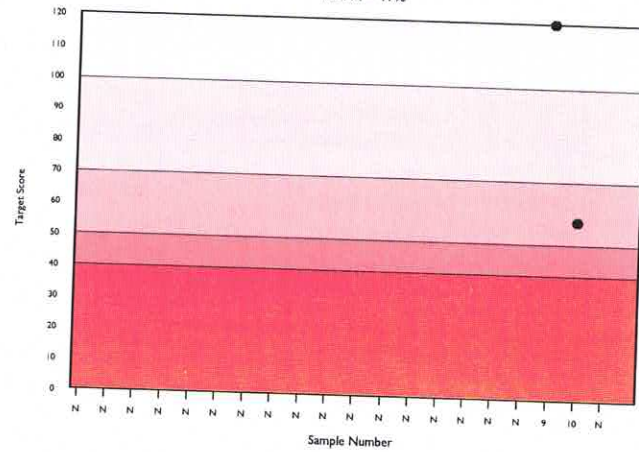
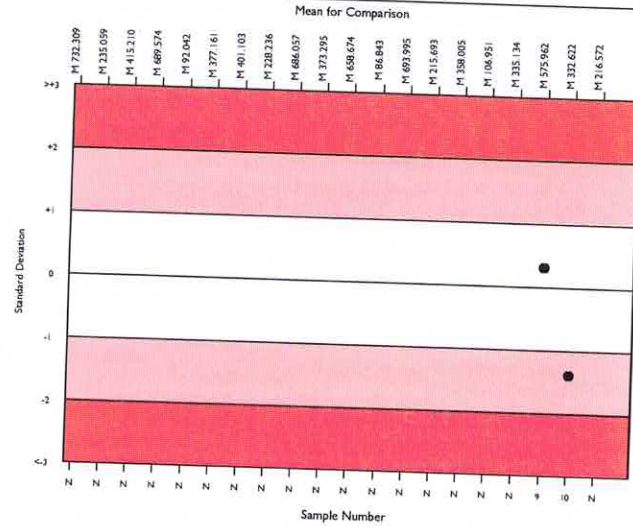
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1634	280.594	14.8	1.29	29.00	106
Beckman Access/LXi725	69	216.572	5.5	1.79	22.38	10

Legend	Your Result	No Result	SDI	RMSDI	Too Few
▲					
■	Mean for Comparison	216.572	TS	RMTS	Too Few
			%DEV	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	296	274.083	7.0	1.40
Roche Cobas e601/ 602 Gen II	290	309.956	4.6	1.05
Roche Cobas 4000/e411 Gen II	224	315.984	11.0	2.89
Beckman Dxl 600/800	166	201.161	7.4	1.44
Siemens Centaur XP/XP/Classic	147	280.601	8.1	2.33
Roche Cobas e801 Gen II	109	304.435	5.3	1.95
Beckman Access/LXi725	69	216.572	5.5	1.79
Abbott Alinity i	68	284.715	6.2	2.70
Siemens Atellica IM	42	295.699	9.4	5.39
Ortho Vitros 3600/5600/ECi/XT 7600	43	263.617	6.3	3.16
Siemens/DPC Immulite 2000	34	220.496	10.1	4.79
Roche Elecsys	32	318.377	11.6	8.13
SNIBE Maglumi analysers	22	168.837	29.0	13.04
Tosoh AIA Series	17	322.939	9.4	9.18
Siemens Centaur CP	8	288.445	7.6	9.64
Mindray CL Series	7	317.240	7.8	11.70
Siemens Dimension	7	266.519	11.5	14.49
Siemens/DPC Immulite 1000	2	254.499	43.0	96.72
Roche Cobas e601/ 602 USE VBC62	2	313.915	0.4	1.14
ELISA	2	187.555	27.4	45.43
HPLC	2	271.584	0.8	1.84



Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
AFP	25.263	No Result		Too Few		Too Few		Too Few	
CEA	12.988	No Result		Too Few		Too Few		Too Few	
Ferritin	40.278	No Result		Too Few		Too Few		Too Few	
FSH	17.223	No Result		Too Few		Too Few		Too Few	
hCG	25.223	No Result		Too Few		Too Few		Too Few	
LH	16.778	No Result		Too Few		Too Few		Too Few	
Oestradiol	537.799	No Result		Too Few		Too Few		Too Few	
Progesterone	18.147	No Result		Too Few		Too Few		Too Few	
Prolactin	351.449	No Result		Too Few		Too Few		Too Few	
PSA, Free	6.957	No Result		Too Few		Too Few		Too Few	
Sex Hormone Binding Globulin	24.865	No Result		Too Few		Too Few		Too Few	
Free T3	6.821	No Result		Too Few		Too Few		Too Few	
Free T4	17.022	No Result		Too Few		Too Few		Too Few	
Free Testosterone (Pilot)	200.895	No Result		Too Few		Too Few		Too Few	
Total Testosterone	7.915	No Result		Too Few		Too Few	N/A	N/A	
TSH	1.088	No Result		Too Few		Too Few		Too Few	
Vitamin B12	216.572	No Result		Too Few		Too Few		Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A



PROTEUS LABORATORY

Sample Report
 Access 2 Immunoassay System
 S/N 502186

Sample ID: IMMUNO11CYCLE18
 Patient ID: IMMUNO11CYCLE18
 Name:
 Sex: Unknown
 Birth Date:
 Sample Type: Serum

Instrument: 502186

<u>Test Name</u>	<u>Result</u>	<u>Ref. Range</u>	<u>Flags</u>	<u>Dilution</u>	<u>Completed</u>
CEA2	15 ng/mL				
CK-MB	0.7 ng/mL			1	30.11.20 22:26
Ferritin	42.6 ng/mL			1	30.11.20 21:57
HCG5	25.99 mIU/mL			1	30.11.20 22:20
HCG5d	<1050 mIU/mL			1	30.11.20 21:59
HIVco	Non-Reactive 0.12 S/CO			1	30.11.20 22:00
PRL	18.64 ug/L			1	30.11.20 22:46
PSA-Hyb	7.88 ng/mL			1	30.11.20 22:21
Prog	22.87 nmol/L			1	30.11.20 22:22
SHBG	27.41 nmol/L			1	30.11.20 22:18
SNSE2	599.53 pmol/L			1	30.11.20 22:15
SNSE2	520.76 pmol/L			1	30.11.20 22:38
Testo	9.47 nmol/L			1	01.12.20 19:32
VitB12	240 pmol/L			1	30.11.20 22:10
hFSH	19.89 IU/L			1	30.11.20 22:23
hLH	18.25 IU/L			1	30.11.20 22:40
				1	30.11.20 22:41

to calculate SPI

Technologist _____