Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	CA125					
Method			All lab			
mean	40.1	33.8	20.1	24.9	30.3	
SD	6.1	5.0	3.3	3.9	4.5	
%CV	15.3%	14.7%	16.3%	15.7%	14.8%	
mean+3SD	58.5	48.7	29.9	36.7	43.8	
mean-3SD	21.8	18.8	10.3	13.2	16.8	
N	117	117	117	117	117	
mean/all kit median	0.95	0.93	0.98	0.93	0.95	0.95

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	CA125					
Method	BCU/BCX	BC1	Beckman Unicel & Access/2			
mean	46.7	39.2	22.7	28.7	35.0	
SD	1.8	1.7	1.1	1.2	1.6	
%CV	3.8%	4.4%	4.8%	4.3%	4.7%	
mean+3SD	52.0	44.3	26.0	32.4	40.0	
mean-3SD	41.3	34.0	19.4	25.1	30.1	
N	9	9	9	9	9	
kit median	46.2	39.4	22.5	29.1	34.5	
mean/all kit median	1.10	1.08	1.11	1.07	1.10	1.09

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA125					
Method	TOM	TO1	TOSOH ST-A1A			
mean	52.0	43.4	26.7	32.3	40.1	
SD	3.5	2.4	1.8	1.8	1.2	
%CV	6.7%	5.6%	6.9%	5.6%	3.1%	
mean+3SD	62.5	50.6	32.2	37.7	43.7	
mean-3SD	41.5	36.1	21.2	26.9	36.4	
N	6	6	6	6	6	
kit median	52.0	44.1	26.6	32.8	39.7	
mean/all kit median	1.23	1.20	1.30	1.20	1.25	1.24

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA125					
Method	JJC/JJF	JJ1	Ortho Clinical Vitros ECi/Q/5600			
mean	43.3	36.7	20.9	27.2	31.6	
SD	3.3	3.1	1.4	3.3	1.1	
%CV	7.6%	8.4%	6.5%	12.3%	3.5%	
mean+3SD	53.1	45.9	25.0	37.3	34.9	
mean-3SD	33.4	27.5	16.8	17.2	28.3	
N	5	5	5	5	5	
kit median	42.0	36.0	20.3	25.3	31.2	
mean/all kit median	1.02	1.01	1.02	1.02	0.99	1.01

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA125					
Method	ABH	AB1	Abbott Architect			
mean	53.1	44.2	27.2	33.0	40.5	
N	2	2	2	2	2	
mean/all kit median	1.25	1.22	1.33	1.23	1.27	1.26

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA125					
Method	DPB	DP5	Siemens Immulite 1000			
mean	41.3	35.8	19.2	26.4	32.4	
N	2	2	2	2	2	
mean/all kit median	0.98	0.99	0.93	0.98	1.01	0.98

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA125					
Method	ABB	AB1	Abbott Axsym			
mean	46.7	39.0	22.8	28.8	34.2	
SD	4.0	3.0	3.9	3.5	3.1	
%CV	8.6%	7.6%	17.2%	12.2%	9.0%	
mean+3SD	58.7	47.9	34.5	39.3	43.5	
mean-3SD	34.7	30.2	11.0	18.3	24.9	
N	12	12	12	12	12	
kit median	46.3	39.1	23.8	28.0	33.8	
mean/all kit median	1.10	1.08	1.11	1.07	1.07	1.09

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA125					
Method	COB	BA1	Siemens ADVIA-Centaur			
mean	38.5	32.6	20.1	24.1	29.6	
SD	2.9	2.4	1.6	2.0	2.2	
%CV	7.5%	7.4%	8.1%	8.4%	7.5%	
mean+3SD	47.1	39.7	24.9	30.2	36.2	
mean-3SD	29.8	25.4	15.2	18.1	23.0	
N	33	33	33	33	33	
kit median	38.5	32.3	19.7	23.8	29.9	
mean/all kit median	0.91	0.90	0.98	0.90	0.93	0.92

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CA125**					
Method	**DPD**	**DP5**	**Siemens Immulite 2000**			
mean	38.7	32.3	18.6	23.7	28.7	
SD	3.0	2.2	1.9	2.0	2.0	
%CV	7.6%	6.9%	10.0%	8.6%	6.8%	
mean+3SD	47.5	39.0	24.2	29.7	34.6	
mean-3SD	29.8	25.6	13.1	17.6	22.8	
N	27	27	27	27	27	
kit median	38.0	32.1	18.0	23.4	28.4	
mean/all kit median	0.91	0.89	0.91	0.88	0.90	0.90

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CA125**					
Method	**BME/BMR**	**BM1**	**Roche Elecsys/Cobas e411 & E170/e601**			
mean	32.3	27.3	16.8	20.3	24.9	
SD	2.4	2.1	1.6	1.5	2.0	
%CV	7.3%	7.6%	9.3%	7.6%	7.9%	
mean+3SD	39.3	33.6	21.5	24.9	30.8	
mean-3SD	25.2	21.1	12.1	15.7	19.0	
N	16	16	16	16	16	
kit median	32.1	27.1	16.7	20.4	24.9	
mean/all kit median	0.76	0.75	0.82	0.76	0.78	0.77

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**CA125**					
Method	**DPF**	**DP5**	**Siemens Immulite 2500**			
mean	33.7	28.8	16.5	20.6	24.6	
SD	1.5	1.8	1.6	0.8	1.6	
%CV	4.5%	6.3%	9.7%	3.8%	6.6%	
mean+3SD	38.2	34.3	21.3	23.0	29.5	
mean-3SD	29.1	23.4	11.7	18.2	19.7	
N	4	4	4	4	4	
kit median	33.5	28.8	16.9	20.6	25.2	
mean/all kit median	0.80	0.80	0.81	0.77	0.77	0.79

Sample	TM206	TM207	TM208	TM209	TM210
CA125 kit average:					
mean	42.6	35.9	21.1	26.5	32.2
SD	7.1	5.7	3.7	4.4	5.5
all kit median	42.3	36.2	20.5	26.8	32.0

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CA27.29**					
Method			**All lab**			
mean	39.1	25.1	45.9	31.8	70.9	
SD	4.1	3.4	4.4	4.3	5.8	
%CV	10.4%	13.4%	9.6%	13.4%	8.2%	
mean+3SD	51.3	35.1	59.1	44.6	88.4	
mean-3SD	26.9	15.0	32.6	19.1	53.4	
N	43	43	43	43	43	
mean/all kit median	1.04	1.010672	1.05	1.02	1.07	1.04

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CA27.29**					
Method	**TOM**	**TO1**	**TOSOH ST-A1A**			
mean	35.4	24.4	40.6	30.3	60.1	
SD	1.4	1.5	2.3	1.7	4.7	
%CV	4.0%	6.1%	5.6%	5.6%	7.9%	
mean+3SD	39.6	28.9	47.4	35.4	74.2	
mean-3SD	31.2	20.0	33.7	25.2	45.9	
N	6	6	6	6	6	
kit median	35.2	24.0	41.0	30.1	60.1	
mean/all kit median	0.94	0.99	0.93	0.97	0.91	0.95

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**CA27.29**					
Method	**COB**	**BA1**	**Siemens ADVIA-Centaur**			
mean	39.7	25.2	46.7	32.1	72.6	
SD	4.1	3.6	4.1	4.5	3.7	
%CV	10.2%	14.2%	8.7%	14.0%	5.2%	
mean+3SD	51.9	35.9	58.9	45.6	83.9	
mean-3SD	27.6	14.4	34.5	18.6	61.4	
N	37	37	37	37	37	
kit median	39.3	25.1	46.7	31.5	72.0	
mean/all kit median	1.06	1.01	1.07	1.03	1.09	1.05

Sample	TM206	TM207	TM208	TM209	TM210
CA27.29 kit average:					
mean	37.6	24.8	43.7	31.2	66.4
SD	3.1	0.5	4.3	1.2	8.9
all kit median	37.6	24.8	43.7	31.2	66.4

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	CA15-3					
Method			All lab			
mean	48.0	33.4	52.5	40.1	79.8	
SD	10.2	7.1	11.4	8.8	17.2	
%CV	21.3%	21.1%	21.7%	21.9%	21.5%	
mean+3SD	78.7	54.6	86.8	66.5	131.3	
mean-3SD	17.3	12.2	18.3	13.8	28.3	
N	52	53	53	53	53	
mean/all kit median	1.10	1.07	1.08	1.09	1.13	1.10

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	CA15-3					
Method	JJC	JJ1	Ortho Clinical Vitros ECi/Q			
mean	38.2	26.7	43.5	32.7	68.6	
SD	1.0	0.6	1.3	1.6	4.1	
%CV	2.7%	2.2%	3.0%	4.8%	5.9%	
mean+3SD	41.3	28.4	47.3	37.4	80.8	
mean-3SD	35.0	24.9	39.6	28.0	56.5	
N	3	3	3	3	3	
kit median	38.5	27.0	44.0	33.0	67.9	
mean/all kit median	0.88	0.85	0.90	0.89	0.97	0.90

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA15-3					
Method	COB	BA1	Siemens ADVIA-Centaur			
mean	57.0	39.7	62.1	48.0	93.2	
SD	5.7	4.4	7.3	5.2	10.5	
%CV	10.0%	11.0%	11.7%	10.9%	11.2%	
mean+3SD	74.1	52.8	83.9	63.7	124.7	
mean-3SD	39.8	26.6	40.2	32.3	61.8	
N	18	18	18	18	18	
kit median	58.2	39.9	62.7	47.8	92.5	
mean/all kit median	1.31	1.27	1.28	1.30	1.32	1.30

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA15-3					
Method	BME/BMR	BM1	Roche Elecsys/Cobas e411 & E170/ e601			
mean	36.9	26.8	41.4	31.5	62.3	
SD	2.2	2.0	2.6	2.1	3.4	
%CV	6.0%	7.3%	6.2%	6.6%	5.4%	
mean+3SD	43.6	32.7	49.2	37.7	72.4	
mean-3SD	30.2	20.9	33.7	25.2	52.1	
N	10	10	10	10	10	
kit median	37.3	27.6	42.2	32.0	63.0	
mean/all kit median	0.85	0.86	0.85	0.85	0.88	0.86

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA15-3					
Method	DPD/DPF	DP5	Siemens Immulite 2000/2500			
mean	52.0	35.8	58.1	43.6	90.8	
SD	3.5	3.4	5.0	4.0	7.4	
%CV	6.8%	9.6%	8.5%	9.3%	8.1%	
mean+3SD	62.6	46.1	72.9	55.7	113.0	
mean-3SD	41.4	25.5	43.2	31.5	68.7	
N	11	11	11	11	11	
kit median	52.0	36.0	59.0	42.0	89.5	
mean/all kit median	1.20	1.15	1.20	1.18	1.29	1.20

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA15-3					
Method	BCU/BCX	BC1	Beckman Unicel & Access/2			
mean	27.9	20.5	31.0	24.1	48.1	
SD	0.8	0.5	0.9	0.6	1.9	
%CV	2.7%	2.5%	2.8%	2.6%	3.9%	
mean+3SD	30.1	22.0	33.5	25.9	53.8	
mean-3SD	25.6	18.9	28.4	22.2	42.4	
N	4	4	4	4	4	
kit median	27.7	20.6	30.8	24.1	48.9	
mean/all kit median	0.64	0.66	0.64	0.65	0.68	0.65

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA15-3					
Method	ABB	AB1	Abbott AxSym			
mean	43.5	31.2	48.5	36.8	70.6	
SD	3.0	1.7	4.0	2.6	4.6	
%CV	6.8%	5.6%	8.3%	7.1%	6.5%	
mean+3SD	52.4	36.4	60.5	44.7	84.4	
mean-3SD	34.6	26.0	36.4	29.0	56.8	
N	5	5	5	5	5	
kit median	43.3	32.0	50.0	37.0	70.3	
mean/all kit median	1.00	1.00	1.00	1.00	1.00	1.00

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CA15-3					
Method	ABH	AB1	Abbott Architect			
mean	56.3	38.9	59.0	45.6	89.6	
N	2	2	2	2	2	
mean/all kit median	1.29	1.25	1.22	1.24	1.27	1.25

Sample	TM206	TM207	TM208	TM209	TM210
CA15-3 kit average:					
mean	44.5	31.4	49.1	37.5	74.7
SD	11.0	7.2	11.3	8.7	17.0
all kit median	43.5	31.2	48.5	36.8	70.6

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CA19-9**					
Method		**All lab (COB included)**				
mean	49.8	68.4	59.4	44.5	88.6	
SD	20.7	29.4	24.8	15.4	34.3	
%CV	41.5%	43.0%	41.7%	34.6%	38.7%	
mean+3SD	111.7	156.6	133.8	90.7	191.3	
mean-3SD	-12.2	-19.9	-15.0	-1.7	-14.2	
N	56	56	56	56	56	
mean/all kit median	1.66	1.70	1.65	1.45	1.56	1.60

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CA19-9**					
Method	**BME/BMR**	**BM1**	**Roche Elecsys/Cobas e411 & E170/e601**			
mean	28.8	38.3	34.2	31.0	57.1	
SD	2.3	3.3	2.7	2.6	4.1	
%CV	8.1%	8.7%	8.0%	8.6%	7.2%	
mean+3SD	35.8	48.4	42.4	38.9	69.4	
mean-3SD	21.8	28.3	26.0	23.0	44.8	
N	8	8	8	8	8	
kit median	28.3	37.5	33.1	30.6	55.8	
mean/all kit median	0.96	0.95	0.95	1.01	1.01	0.98

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**CA19-9**					
Method		**All lab (COB excluded)**				
mean	27.7	36.8	32.9	28.2	52.0	
SD	5.0	7.3	6.4	4.9	8.8	
%CV	18.1%	19.9%	19.5%	17.3%	16.9%	
mean+3SD	42.7	58.7	52.2	42.7	78.4	
mean-3SD	12.7	14.9	13.7	13.6	25.6	
N	25	25	25	25	25	
mean/all kit median	0.96	0.96	0.96	0.92	0.92	0.95

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**CA19-9**					
Method	**TOM**	**TO1**	**TOSOH ST-A1A**			
mean	19.7	25.0	22.7	20.2	37.5	
SD	1.1	1.3	0.8	0.7	1.0	
%CV	5.8%	5.1%	3.4%	3.6%	2.7%	
mean+3SD	23.1	28.8	25.0	22.4	40.5	
mean-3SD	16.2	21.2	20.4	18.0	34.4	
N	6	6	6	6	6	
kit median	19.6	25.0	22.5	20.3	37.5	
mean/all kit median	0.68	0.65	0.66	0.66	0.67	0.67

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**CA19-9**					
Method	**COB**	**BA1**	**Siemens ADVIA-Centaur**			
mean	68.1	94.4	81.9	57.8	118.7	
SD	4.5	5.7	4.6	3.8	8.0	
%CV	6.6%	6.0%	5.6%	6.6%	6.8%	
mean+3SD	81.6	111.5	95.7	69.3	142.9	
mean-3SD	54.5	77.3	68.2	46.4	94.6	
N	30	30	29	30	30	
kit median	69.0	95.2	82.0	57.7	119.0	
mean/all kit median	2.27	2.35	2.28	1.88	2.09	2.18

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**CA19-9**					
Method	**ABH**	**AB1**	**Abbott Architect**			
result	221.1	299.5	247	129.8	446.1	
N	1	1	1	1	1	
result/all kit median	7.37	7.45	6.88	4.23	7.87	6.76

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**CA19-9**					
Method	**BCU/BCX**	**BC1**	**Beckman Unicel & Access/2**			
mean	31.2	42.1	37.6	30.5	56.3	
SD	1.5	1.8	2.2	1.1	2.5	
%CV	4.7%	4.3%	5.9%	3.7%	4.4%	
mean+3SD	35.6	47.6	44.3	33.9	63.7	
mean-3SD	26.8	36.6	30.9	27.0	48.8	
N	11	11	11	11	11	
kit median	31.6	42.0	38.0	30.0	56.1	
mean/all kit median	1.04	1.05	1.05	0.99	0.99	1.02

Sample	TM206	TM207	TM208	TM209	TM210
CA19-9 kit average:					
mean*	26.6	35.1	31.5	27.2	50.3
SD*	6.1	9.0	7.8	6.1	11.1
all kit median	30.0	40.2	35.9	30.7	56.7

* **Note**: The COB and ABH means were not included in the calculation of the all kit means (SDs) because the results from these methods were very different from the results of all the others. However, the COB was included in the all kit median calculation but ABH was not.

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	CEA					
Method			All lab			
mean	6.5	8.3	16.0	15.5	30.3	
SD	1.0	1.2	2.0	2.0	4.3	
%CV	16.0%	14.7%	12.2%	13.1%	14.0%	
mean+3SD	9.7	12.0	21.8	21.6	43.0	
mean-3SD	3.4	4.6	10.1	9.4	17.5	
N	172	171	165	170	171	
mean/all kit median	1.04	1.02	1.00	0.98	0.99	1.01

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	CEA					
Method	DPD/DPF	DP5	Siemens Immulite 2000/2500			
mean	6.3	8.2	17.5	16.2	32.8	
SD	0.6	0.8	1.2	1.0	2.6	
%CV	9.4%	9.3%	6.7%	6.4%	7.8%	
mean+3SD	8.0	10.5	20.9	19.3	40.5	
mean-3SD	4.5	5.9	14.0	13.1	25.2	
N	21	21	21	21	21	
kit median	6.3	8.2	17.4	16.2	32.9	
mean/all kit median	1.00	1.00	1.09	1.03	1.08	1.04

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CEA					
Method	TOM	TO1	TOSOH ST-A1A			
mean	9.1	11.7	22.9	21.0	39.0	
SD	0.3	0.5	0.8	0.8	1.3	
%CV	3.1%	4.0%	3.4%	3.8%	3.5%	
mean+3SD	10.0	13.1	25.3	23.4	43.0	
mean-3SD	8.3	10.3	20.5	18.6	34.9	
N	7	7	7	7	7	
kit median	9.2	11.8	23.2	21.1	39.4	
mean/all kit median	1.46	1.42	1.44	1.33	1.28	1.39

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CEA					
Method	BCX	BC1	Beckman Access/2 CEA2			
mean	6.6	8.5	16.4	16.2	30.4	
SD	0.2	0.4	0.8	0.8	1.3	
%CV	3.6%	5.3%	4.9%	5.1%	4.3%	
mean+3SD	7.4	9.8	18.8	18.7	34.3	
mean-3SD	5.9	7.2	14.0	13.7	26.5	
N	11	11	11	11	11	
kit median	6.7	8.5	16.5	16.1	30.1	
mean/all kit median	1.06	1.04	1.03	1.02	1.00	1.03

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CEA					
Method	JJC/JJF	JJ1	Ortho Clinical Vitros ECi/Q & 5600			
mean	8.6	10.5	18.1	17.8	33.0	
SD	0.4	0.5	0.5	0.6	1.0	
%CV	4.5%	4.5%	3.0%	3.2%	2.9%	
mean+3SD	9.8	11.9	19.7	19.6	35.9	
mean-3SD	7.5	9.1	16.5	16.1	30.1	
N	11	11	11	10	11	
kit median	8.6	10.6	18.3	17.7	33.3	
mean/all kit median	1.38	1.28	1.13	1.13	1.09	1.20

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CEA					
Method	DUV	DA2	Siemens Dimension VISTA			
mean	6.3	8.3	15.6	15.8	30.6	
SD	0.1	0.1	0.4	0.2	0.6	
%CV	0.9%	0.7%	2.6%	1.0%	2.0%	
mean+3SD	6.4	8.4	16.8	16.3	32.4	
mean-3SD	6.1	8.1	14.4	15.4	28.8	
N	3	3	3	3	3	
kit median	6.3	8.3	15.4	15.8	30.5	
mean/all kit median	1.00	1.01	0.98	1.00	1.00	1.00

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CEA					
Method	COB	BA1	Siemens ADVIA-Centaur			
mean	6.8	8.7	16.9	16.2	32.3	
SD	0.4	0.5	0.9	0.9	2.1	
%CV	5.7%	6.2%	5.2%	5.3%	6.4%	
mean+3SD	8.0	10.3	19.5	18.8	38.6	
mean-3SD	5.6	7.0	14.3	13.6	26.1	
N	57	59	59	59	59	
kit median	6.8	8.8	17.0	16.3	32.2	
mean/all kit median	1.08	1.06	1.06	1.02	1.06	1.06

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	CEA					
Method	ABH	AB1	Abbott Architect			
mean	6.6	8.2	16.0	15.3	28.9	
SD	0.3	0.3	0.8	0.6	1.6	
%CV	4.0%	3.8%	5.1%	4.0%	5.4%	
mean+3SD	7.4	9.1	18.4	17.1	33.6	
mean-3SD	5.8	7.2	13.5	13.4	24.2	
N	4	4	4	4	4	
kit median	6.6	8.1	15.9	15.3	28.5	
mean/all kit median	1.06	1.00	1.00	0.96	0.95	0.99

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CEA**					
Method	**ABB**	**AB1**	**Abbott Axsym**			
mean	5.9	7.6	15.1	14.2	27.5	
SD	0.4	0.5	0.8	1.0	1.9	
%CV	7.4%	6.8%	5.5%	6.8%	6.9%	
mean+3SD	7.3	9.2	17.6	17.1	33.2	
mean-3SD	4.6	6.1	12.6	11.3	21.7	
N	16	16	16	16	16	
kit median	5.9	7.6	14.9	14.0	26.9	
mean/all kit median	0.95	0.93	0.94	0.89	0.90	0.92

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CEA**					
Method	**BME**	**BM1**	**Roche Elecsys & Cobas e411**			
mean	5.4	6.9	12.8	12.6	23.3	
SD	0.3	0.2	0.3	0.5	0.8	
%CV	5.2%	3.3%	2.7%	4.0%	3.4%	
mean+3SD	6.2	7.6	13.8	14.1	25.7	
mean-3SD	4.6	6.2	11.8	11.1	20.9	
N	7	7	7	7	7	
kit median	5.3	6.9	12.8	12.6	23.4	
mean/all kit median	0.86	0.84	0.80	0.80	0.77	0.81

Sample	TM206	TM207	TM208	TM209	TM210
Analyte	**CEA**				
Method	**BCU**	**BC1**	**Beckman Unicel CEA2**		
mean	5.9	7.3	14.5	14.4	27.4
SD	0.5	0.5	1.0	0.9	1.4
%CV	8.0%	6.7%	6.6%	6.2%	5.2%
mean+3SD	7.3	8.7	17.4	17.0	31.8
mean-3SD	4.5	5.8	11.6	11.7	23.1
N	13	13	13	13	13
kit median	5.9	7.1	14.4	14.3	27.2
mean/all kit median	0.94	0.89	0.91	0.91	0.90

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**CEA**					
Method	**BMR**	**BM1**	**Roche E170 & Cobas e601**			
mean	5.3	6.8	12.6	12.4	23.2	
SD	0.3	0.4	0.6	0.5	1.1	
%CV	6.2%	6.1%	4.5%	4.3%	4.6%	
mean+3SD	6.3	8.0	14.3	14.0	26.4	
mean-3SD	4.3	5.5	10.8	10.8	20.0	
N	19	19	19	19	19	
kit median	5.3	6.9	12.5	12.3	22.9	
mean/all kit median	0.84	0.82	0.79	0.78	0.76	0.80

Sample	TM206	TM207	TM208	TM209	TM210
CEA kit average:					
mean	6.6	8.4	16.2	15.6	29.9
SD	1.2	1.5	2.8	2.4	4.6
all kit median	6.3	8.2	16.0	15.8	30.4

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**AFP**					
Method			**All lab**			
mean	8.9	16.1	30.7	12.8	20.8	
SD	0.9	1.3	2.6	1.1	2.0	
%CV	10.3%	7.9%	8.3%	8.9%	9.5%	
mean+3SD	11.7	19.9	38.4	16.3	26.7	
mean-3SD	6.2	12.3	23.0	9.4	14.9	
N	102	100	101	100	101	
mean/target	1.00	0.99	0.96	1.04	0.98	0.99

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**AFP**					
Method	**BME/BMR**	**BM1**	**Roche Elecsys/Cobas e411 & E170/e601**			
mean	9.4	17.1	33.2	13.5	22.2	
SD	0.6	1.1	2.4	0.9	1.5	
%CV	6.5%	6.6%	7.3%	6.6%	6.9%	
mean+3SD	11.2	20.5	40.5	16.2	26.8	
mean-3SD	7.5	13.7	25.9	10.8	17.6	
N	15	15	15	15	15	
kit median	9.4	17.1	33.0	13.4	22.0	
mean/target	1.05	1.05	1.03	1.09	1.05	1.05

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**AFP**					
Method	**DUV**	**DA2**	**Siemens Dimension VISTA**			
mean	9.4	17.4	33.6	13.7	22.5	
N	2	2	2	2	2	
mean/target	1.05	1.06	1.05	1.10	1.06	1.06

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**AFP**					
Method	**TOM**	**TO1**	**TOSOH ST-A1A**			
mean	8.9	16.0	30.6	12.7	20.5	
SD	0.3	0.7	1.2	0.5	0.8	
%CV	3.4%	4.1%	3.8%	3.8%	3.8%	
mean+3SD	9.8	17.9	34.1	14.2	22.9	
mean-3SD	7.9	14.0	27.1	11.3	18.2	
N	4	4	4	4	4	
kit median	9.0	16.2	31.0	12.8	20.8	
mean/target	0.99	0.98	0.95	1.03	0.97	0.98

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**AFP**					
Method	**ABB**	**AB1**	**Abbott AxSym**			
mean	9.3	16.3	31.3	13.1	21.4	
SD	0.5	0.8	0.7	0.7	1.3	
%CV	5.4%	4.8%	2.3%	5.6%	6.0%	
mean+3SD	10.9	18.6	33.4	15.3	25.2	
mean-3SD	7.8	13.9	29.2	10.9	17.5	
N	11	10	11	10	10	
kit median	9.1	16.3	31.5	13.1	21.2	
mean/target	1.05	1.00	0.97	1.05	1.01	1.02

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**AFP**					
Method	**DPB/ DPD/DPF**	**DP5**	**Siemens Immulite 1000/2000/2500**			
mean	8.0	15.4	29.1	11.9	19.5	
SD	0.8	1.2	2.4	1.3	1.7	
%CV	9.6%	7.6%	8.3%	11.3%	8.9%	
mean+3SD	10.3	18.9	36.4	15.9	24.7	
mean-3SD	5.7	11.9	21.9	7.8	14.3	
N	26	25	26	26	25	
kit median	8.1	15.5	29.1	11.9	19.7	
mean/target	0.90	0.94	0.91	0.96	0.92	0.93

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**AFP**					
Method	**BCU/BCX**	**BC1**	**Beckman Unicel & Access/2**			
mean	9.2	16.2	31.2	13.4	21.8	
SD	0.8	1.2	3.3	1.1	1.9	
%CV	8.2%	7.5%	10.4%	7.9%	8.9%	
mean+3SD	11.4	19.8	40.9	16.6	27.6	
mean-3SD	6.9	12.5	21.4	10.2	15.9	
N	13	13	13	13	13	
kit median	9.4	16.6	31.1	13.7	21.8	
mean/target	1.03	0.99	0.97	1.08	1.03	1.02

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**AFP**					
Method	**JJC**	**JJ1**	**Ortho Clinical Vitros ECi/Q**			
mean	7.3	12.8	24.6	10.1	16.3	
SD	0.2	0.1	0.4	0.1	0.1	
%CV	2.1%	0.8%	1.8%	1.1%	0.4%	
mean+3SD	7.8	13.1	25.9	10.5	16.4	
mean-3SD	6.9	12.5	23.3	9.8	16.1	
N	3	3	3	3	3	
kit median	7.3	12.8	24.4	10.2	16.3	
mean/target	0.82	0.79	0.77	0.82	0.77	0.79

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	**AFP**					
Method	**COB**	**BA1**	**Siemens ADVIA-Centaur**			
mean	9.4	16.4	31.2	13.1	20.6	
SD	0.7	0.8	1.6	0.8	1.0	
%CV	7.4%	5.0%	5.1%	5.8%	5.1%	
mean+3SD	11.6	18.8	36.0	15.4	23.7	
mean-3SD	7.3	13.9	26.5	10.8	17.5	
N	28	28	28	28	28	
kit median	9.6	16.6	31.6	13.3	20.8	
mean/target	1.06	1.00	0.97	1.06	0.97	1.01

Sample	TM206	TM207	TM208	TM209	TM210
AFP kit average:					
mean	8.9	15.9	30.6	12.7	20.6
SD	0.8	1.4	2.8	1.2	2.0
all kit median	9.3	16.2	31.2	13.1	21.0

Sample	TM206	TM207	TM208	TM209	TM210
AFP					
***IS target**	**8.9**	**16.3**	**32.1**	**12.4**	**21.2**
SD (+/-)	0.60	1.3	1.8	0.7	1.8
% CV	7.0%	7.9%	5.6%	6.0%	8.6%
high (30%)	11.6	21.2	41.7	16.1	27.6
low (30%)	6.2	11.4	22.5	8.7	14.8

* target value from a traceable AFP standard

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	PSA					
Method			All lab			
mean	13.3	1.7	8.9	2.8	4.4	
SD	1.5	0.2	0.9	0.3	0.4	
%CV	11.0%	9.5%	10.3%	9.2%	9.6%	
mean+3SD	17.8	2.1	11.7	3.5	5.7	
mean-3SD	8.9	1.2	6.2	2.0	3.1	
N	259	258	258	258	257	
mean/target	1.18	1.19	1.18	1.20	1.23	1.20

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	PSA					
Method	DPB/ DPD/DPF	DP5	Siemens Immulite1000/2000/2500			
mean	13.7	1.8	9.5	3.0	4.8	
SD	0.9	0.2	0.8	0.3	0.3	
%CV	6.9%	8.4%	8.1%	8.8%	7.0%	
mean+3SD	16.5	2.2	11.8	3.8	5.8	
mean-3SD	10.9	1.3	7.2	2.2	3.8	
N	27	28	28	28	28	
kit median	13.6	1.8	9.3	2.9	4.7	
mean/target	1.21	1.28	1.24	1.30	1.32	1.27

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	PSA					
Method	DUD	DA1	Siemens Dimension			
mean	16.0	1.9	10.5	3.2	5.2	
SD	0.9	0.1	0.6	0.2	0.3	
%CV	5.4%	6.8%	5.5%	6.0%	6.0%	
mean+3SD	18.6	2.3	12.2	3.7	6.1	
mean-3SD	13.4	1.5	8.7	2.6	4.2	
N	25	25	25	24	25	
kit median	15.8	1.9	10.5	3.1	5.1	
mean/target	1.41	1.38	1.38	1.37	1.43	1.40

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	PSA					
Method	BCU	BC2	Beckman Unicel Hybritech calib.			
mean	14.3	1.7	9.5	2.9	4.6	
SD	1.0	0.1	0.6	0.2	0.3	
%CV	6.9%	7.0%	6.5%	6.6%	5.9%	
mean+3SD	17.2	2.1	11.4	3.4	5.4	
mean-3SD	11.3	1.3	7.7	2.3	3.8	
N	20	20	20	20	20	
kit median	14.3	1.7	9.7	2.9	4.6	
mean/target	1.26	1.21	1.26	1.24	1.27	1.25

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	PSA					
Method	BCX	BC2	Beckman Access/2 Hybritech calib.			
mean	14.5	1.7	9.7	2.9	4.8	
SD	0.7	0.1	0.5	0.1	0.2	
%CV	4.9%	4.9%	4.8%	5.0%	5.0%	
mean+3SD	16.6	2.0	11.1	3.4	5.5	
mean-3SD	12.3	1.5	8.3	2.5	4.0	
N	31	30	30	31	30	
kit median	14.5	1.7	9.7	2.9	4.8	
mean/target	1.28	1.24	1.27	1.28	1.32	1.28

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	PSA					
Method	DPB/ DPD/DPF	DP6	Siemens Immulite1000/2000/2500 3rd gen.			
mean	13.5	1.6	9.0	2.8	4.5	
SD	1.8	0.2	0.9	0.2	0.5	
%CV	13.7%	11.6%	10.2%	8.2%	11.5%	
mean+3SD	19.0	2.2	11.8	3.4	6.0	
mean-3SD	7.9	1.1	6.2	2.1	2.9	
N	10	10	10	10	10	
kit median	13.3	1.6	8.9	2.8	4.4	
mean/target	1.19	1.17	1.18	1.20	1.24	1.20

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	PSA					
Method	ABH	AB1	Abbott Architect			
mean	14.6	1.7	9.6	3.0	4.7	
SD	0.4	0.0	0.3	0.2	0.0	
%CV	2.9%	0.0%	2.6%	5.1%	0.0%	
mean+3SD	15.8	1.7	10.3	3.4	4.7	
mean-3SD	13.3	1.7	8.8	2.5	4.7	
N	5	5	5	5	5	
kit median	14.5	1.7	9.5	2.9	4.7	
mean/target	1.29	1.21	1.26	1.29	1.31	1.27

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	PSA					
Method	ABB	AB1	Abbott Axsym			
mean	12.9	1.5	8.5	2.6	4.2	
SD	0.5	0.1	0.4	0.1	0.2	
%CV	4.2%	6.2%	4.5%	3.5%	4.7%	
mean+3SD	14.6	1.8	9.6	2.9	4.7	
mean-3SD	11.3	1.3	7.3	2.3	3.6	
N	16	16	16	16	16	
kit median	12.9	1.5	8.5	2.6	4.2	
mean/target	1.14	1.10	1.11	1.12	1.15	1.13

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**PSA**					
Method	**COB**	**BA1**	**Siemens ADVIA-Centaur**			
mean	12.5	1.6	8.4	2.6	4.2	
SD	0.7	0.1	0.5	0.1	0.2	
%CV	5.6%	5.3%	5.6%	4.6%	4.9%	
mean+3SD	14.6	1.8	9.8	3.0	4.8	
mean-3SD	10.4	1.3	6.9	2.3	3.6	
N	57	57	57	57	57	
kit median	12.6	1.6	8.4	2.6	4.2	
mean/target	1.11	1.14	1.10	1.14	1.16	1.13

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**PSA**					
Method	**TOM**	**TO1**	**TOSOH ST-A1A**			
mean	12.1	1.5	8.2	2.5	4.1	
SD	0.9	0.1	0.5	0.2	0.3	
%CV	7.3%	6.6%	6.5%	5.9%	6.7%	
mean+3SD	14.8	1.8	9.8	3.0	4.9	
mean-3SD	9.5	1.2	6.6	2.1	3.3	
N	11	11	11	11	11	
kit median	11.9	1.5	8.1	2.5	4.1	
mean/target	1.07	1.09	1.08	1.10	1.14	1.10

Sample	TM206	TM207	TM208	TM209	TM210
Analyte	**PSA**				
Method	**BME**	**BM1**	**Roche Elecsys/Cobas e411**		
mean	12.3	1.5	8.4	2.6	4.1
SD	0.7	0.1	0.5	0.1	0.2
%CV	5.7%	5.7%	6.0%	4.6%	5.8%
mean+3SD	14.4	1.8	9.9	2.9	4.8
mean-3SD	10.2	1.3	6.8	2.2	3.4
N	13	13	13	13	13
kit median	12.1	1.5	8.3	2.6	4.1
mean/target	1.09	1.10	1.10	1.13	1.15

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**PSA**					
Method	**BCX/BCU**	**BC3**	**Beckman Unicel/Access/2 WHO calib.**			
mean	11.9	1.5	8.2	2.5	4.0	
SD	1.8	0.1	1.0	0.3	0.3	
%CV	14.8%	9.4%	12.7%	10.3%	8.2%	
mean+3SD	17.2	1.9	11.3	3.3	5.0	
mean-3SD	6.6	1.1	5.1	1.7	3.0	
N	4	4	4	4	4	
kit median	11.1	1.5	7.9	2.5	3.9	
mean/target	1.05	1.07	1.08	1.09	1.12	1.08

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**PSA**					
Method	**BMR**	**BM1**	**Roche E170/Cobas e601**			
mean	12.4	1.5	8.3	2.6	4.1	
SD	0.6	0.1	0.4	0.2	0.2	
%CV	4.9%	4.3%	4.3%	5.9%	4.4%	
mean+3SD	14.2	1.7	9.4	3.1	4.7	
mean-3SD	10.6	1.3	7.3	2.1	3.6	
N	22	21	22	22	21	
kit median	12.3	1.5	8.4	2.6	4.1	
mean/target	1.10	1.10	1.10	1.13	1.15	1.11

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**PSA**					
Method	**JJC/JJF**	**JJ1**	**Ortho Clinical Vitros ECi/Q & 5600**			
mean	11.8	1.7	8.0	2.6	4.0	
SD	0.6	0.1	0.5	0.2	0.3	
%CV	5.1%	5.6%	5.9%	6.1%	6.6%	
mean+3SD	13.7	1.9	9.4	3.1	4.8	
mean-3SD	10.0	1.4	6.6	2.1	3.2	
N	18	18	18	18	18	
kit median	11.9	1.6	8.0	2.6	3.9	
mean/target	1.05	1.18	1.05	1.14	1.12	1.11

Sample	TM206	TM207	TM208	TM209	TM210
PSA kit average:					
mean	13.3	1.6	8.9	2.7	4.4
SD	1.3	0.1	0.8	0.2	0.4
all kit median	12.9	1.6	8.5	2.6	4.2

Sample	TM206	TM207	TM208	TM209	TM210
PSA					
*** IS target**	**11.3**	**1.4**	**7.6**	**2.3**	**3.6**
SD (+/-)	0.9	0.1	0.7	0.2	0.4
% CV	8.2%	10.2%	9.2%	7.5%	10.0%
high (25%)	14.1		9.5		
low (25%)	8.5		5.7		
high (30%)		1.8		3.0	4.7
low (30%)		1.0		1.6	2.5

* target value from a traceable PSA standard

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	free PSA					
Method			All lab			
mean	1.51	0.19	1.00	0.32	0.49	
SD	0.32	0.05	0.20	0.07	0.11	
%CV	20.9%	25.6%	20.4%	22.7%	22.2%	
mean+3SD	2.45	0.34	1.61	0.53	0.82	
mean-3SD	0.56	0.04	0.39	0.10	0.17	
N	74	69	81	71	82	
mean/target	1.28	1.46	1.23	1.38	1.30	1.33

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	free PSA					
Method	BCU/BCX	BC3	Beckman Unicel/Access/2 WHO calib.			
mean	1.38	0.19	0.95	0.30	0.46	
N	2	2	2	2	2	
mean/target	1.17	1.42	1.17	1.28	1.21	1.25

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	free PSA					
Method	BCU	BC2	Beckman Unicel Hybritech calib.			
mean	1.88	0.24	1.26	0.40	0.63	
SD	0.13	0.03	0.07	0.02	0.04	
%CV	7.2%	13.9%	5.4%	5.0%	6.2%	
mean+3SD	2.29	0.34	1.46	0.46	0.75	
mean-3SD	1.48	0.14	1.06	0.34	0.51	
N	14	14	14	14	14	
kit median	1.90	0.23	1.26	0.40	0.62	
mean/target	1.60	1.84	1.55	1.73	1.66	1.67

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	free PSA					
Method	BMR	BM1	Roche E170/Cobas e601			
mean	1.32	0.18	0.89	0.29	0.45	
SD	0.07	0.01	0.04	0.02	0.03	
%CV	5.6%	5.8%	4.7%	5.5%	5.8%	
mean+3SD	1.54	0.21	1.02	0.34	0.53	
mean-3SD	1.10	0.15	0.77	0.24	0.37	
N	11	10	13	10	13	
kit median	1.30	0.18	0.88	0.29	0.44	
mean/target	1.12	1.37	1.10	1.26	1.18	1.20

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	free PSA					
Method	BCX	BC2	Beckman Access/2 Hybritech calib.			
mean	1.80	0.24	1.24	0.41	0.62	
SD	0.07	0.06	0.06	0.05	0.05	
%CV	3.6%	26.6%	4.7%	12.3%	7.7%	
mean+3SD	2.00	0.44	1.41	0.56	0.76	
mean-3SD	1.61	0.05	1.06	0.26	0.47	
N	13	12	15	13	15	
kit median	1.80	0.23	1.21	0.40	0.60	
mean/target	1.53	1.88	1.53	1.77	1.62	1.66

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	free PSA					
Method	BME	BM1	Roche Elecsys/Cobas e411			
mean	1.31	0.18	0.89	0.29	0.44	
SD	0.06	0.01	0.05	0.01	0.02	
%CV	4.6%	3.1%	5.9%	4.0%	5.1%	
mean+3SD	1.49	0.19	1.04	0.32	0.51	
mean-3SD	1.13	0.16	0.73	0.25	0.37	
N	7	6	8	7	8	
kit median	1.33	0.18	0.89	0.29	0.45	
mean/target	1.11	1.35	1.09	1.24	1.15	1.19

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	free PSA					
Method	DUD	DA1	Siemens Dimension			
mean	1.57	0.22	1.00	0.34	0.52	
SD	0.17	0.05	0.08	0.07	0.06	
%CV	10.7%	21.1%	7.6%	19.7%	10.8%	
mean+3SD	2.08	0.35	1.22	0.54	0.69	
mean-3SD	1.06	0.08	0.77	0.14	0.35	
N	7	7	7	7	7	
kit median	1.50	0.20	1.00	0.32	0.50	
mean/target	1.33	1.67	1.23	1.48	1.36	1.42

Sample	TM206	TM207	TM208	TM209	TM210	
Analyte	free PSA					
Method	ABB/ ABH	AB1	Abbott Axsym & Architect			
mean	1.30	0.15	0.83	0.25	0.41	
SD	0.06	0.01	0.06	0.03	0.03	
%CV	4.6%	3.8%	6.7%	9.9%	6.5%	
mean+3SD	1.48	0.17	1.00	0.33	0.49	
mean-3SD	1.12	0.14	0.66	0.18	0.33	
N	3	3	5	3	5	
kit median	1.31	0.15	0.85	0.25	0.40	
mean/target	1.10	1.18	1.02	1.10	1.08	1.10

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**free PSA**					
Method	**DPB/DPD**	**DP5**	**Siemens Immulite 1000 & 2000**			
mean	1.14	0.13	0.77	0.23	0.37	
SD	0.08	0.02	0.05	0.02	0.03	
%CV	6.6%	13.1%	6.8%	8.4%	7.6%	
mean+3SD	1.37	0.18	0.93	0.29	0.45	
mean-3SD	0.92	0.08	0.61	0.17	0.28	
N	16	16	17	16	18	
kit median	1.14	0.13	0.76	0.23	0.36	
mean/target	0.97	1.00	0.95	0.99	0.96	0.97

Sample	TM206	TM207	TM208	TM209	TM210
free PSA kit average:					
mean	1.46	0.19	0.98	0.31	0.49
SD	0.26	0.04	0.18	0.06	0.10
all kit median	1.35	0.18	0.92	0.29	0.45

Sample	TM206	TM207	TM208	TM209	TM210
free PSA					
* IS target	**1.18**	**0.13**	**0.81**	**0.23**	**0.38**
SD (+/-)	0.02	0.01	0.03	0.01	0.01
% CV	2.0%	6.6%	3.3%	3.7%	2.9%
high (30%)	1.53	0.17	1.05	0.30	0.49
low (30%)	0.83	0.09	0.57	0.16	0.27

* target value from a traceable free PSA standard.

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**% free PSA**					
Method			**All lab**			
mean	10.7	11.3	11.1	11.7	11.1	
SD	2.0	3.0	2.0	2.7	2.3	
%CV	18.8%	26.4%	18.5%	23.0%	21.1%	
mean+3SD	16.7	20.3	17.2	19.8	18.1	
mean-3SD	4.7	2.4	4.9	3.6	4.1	
N	46	47	67	55	70	
mean/target	1.02	1.19	1.03	1.16	1.06	1.09

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**% free PSA**					
Method	**BM1**	**BM1**	**Roche Elecsys/Cobas e411 & E170/e601**			
mean	10.7	11.5	10.7	11.1	10.8	
SD	0.4	0.6	0.6	0.6	0.7	
%CV	3.9%	5.4%	5.7%	5.7%	6.7%	
mean+3SD	11.9	13.4	12.6	13.1	13.0	
mean-3SD	9.4	9.6	8.9	9.2	8.6	
N	15	14	19	14	19	
kit median	10.8	11.4	10.7	11.0	10.7	
mean/target	1.02	1.21	1.00	1.10	1.03	1.07

Sample	TM206	TM207	TM208	TM209	TM210
Analyte	**% free PSA**				
Method	**BC2**	**BC2**	**Beckman Unicel/Access/2 Hybritech calib.**		
mean	13.0	14.0	13.1	13.8	13.4
SD	0.9	2.2	0.9	1.0	1.1
%CV	7.1%	15.8%	6.6%	7.1%	8.5%
mean+3SD	15.8	20.6	15.7	16.7	16.7
mean-3SD	10.2	7.3	10.5	10.8	10.0
N	11	13	23	19	25
kit median	12.6	13.8	13.0	13.8	13.0
mean/target	1.24	1.47	1.22	1.36	1.27	1.31

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**% free PSA**					
Method	**DA1**	**DA1**	**Siemens Dimension**			
mean	9.3	11.8	9.7	11.9	10.2	
SD	0.5	3.3	1.4	3.1	1.7	
%CV	5.7%	28.0%	14.7%	26.0%	17.1%	
mean+3SD	10.8	21.8	13.9	21.2	15.4	
mean-3SD	7.7	1.9	5.4	2.6	5.0	
N	5	5	5	5	6	
kit median	9.0	10.7	9.0	11.0	9.7	
mean/target	0.88	1.25	0.90	1.18	0.97	1.04

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**% free PSA**					
Method	**AB1**	**AB1**	**Abbott Axsym & Architect**			
mean	10.1	9.4	9.7	9.2	9.5	
SD	0.1	0.6	0.4	1.1	1.1	
%CV	1.4%	6.8%	4.5%	11.7%	11.8%	
mean+3SD	10.5	11.3	11.0	12.5	12.9	
mean-3SD	9.7	7.5	8.4	6.0	6.2	
N	2	3	5	3	5	
kit median	10.1	9.0	10.0	9.7	9.6	
mean/target	0.96	0.99	0.91	0.91	0.91	0.94

Sample	TM206	TM207	TM208	TM209	TM210
Analyte	**% free PSA**				
Method	**DP5**	**DP5**	**Siemens Immulite 2000**		
mean	8.3	6.9	8.3	8.0	7.6
SD	0.9	1.3	0.9	0.7	0.9
%CV	10.3%	18.9%	10.2%	9.1%	12.0%
mean+3SD	10.8	10.9	10.9	10.1	10.3
mean-3SD	5.7	3.0	5.8	5.8	4.8
N	8	7	10	8	10
kit median	8.6	7.0	8.0	8.0	7.4
mean/target	0.79	0.73	0.78	0.79	0.72	0.76

Sample	TM206	TM207	TM208	TM209	TM210	Average bias
Analyte	**% free PSA**					
Method	**DP5**	**DP6**	**Siemens Immulite 1000/2000 3rd gen.**			
mean	8.4	8.1	8.2	8.4	8.1	
N	2	2	2	2	2	
mean/target	0.80	0.85	0.76	0.83	0.77	0.80

Sample	TM206	TM207	TM208	TM209	TM210
% free PSA kit average:					
mean	9.9	10.5	10.0	10.6	10.0
SD	2.0	2.9	2.0	2.5	2.3
all kit median	9.3	11.5	9.7	11.1	10.2

% free PSA	TM206	TM207	TM208	TM209	TM210
IS target	**10.5%**	**9.5%**	**10.7%**	**10.1%**	**10.5%**

Sample	TM206	TM207	TM208	TM209	TM210
Analyte	**complexed PSA**				
Method			**All lab**		
mean	11.6	1.5	7.9	2.4	3.9
SD	0.6	0.1	0.4	0.1	0.3
%CV	5.6%	5.6%	5.5%	5.9%	6.6%
mean+3SD	13.6	1.7	9.2	2.9	4.7
mean-3SD	9.7	1.2	6.6	2.0	3.1
N	11	11	11	11	11

Sample	TM206	TM207	TM208	TM209	TM210
Analyte	**% complexed PSA**				
Method			**All lab**		
mean	90.2%	88.6%	91.9%	90.2%	89.1%
SD	0.06	0.07	0.06	0.07	0.07
%CV	6.7%	7.8%	6.0%	7.8%	8.2%
mean+3SD	108.3%	109.3%	108.5%	111.2%	111.1%
mean-3SD	72.1%	68.0%	75.3%	69.2%	67.1%
N	10	10	10	10	10