

New York State Proficiency Test May 2008
Summary of Results

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
CA125 all lab mean:							CA125 Siemens/Bayer ADVIA-Centaur (COB/BA1) mean:						
mean	7.0	11.7	21.6	42.6	80.2		mean	8.3	13.0	22.6	42.7	81.1	
SD	1.4	2.1	3.1	4.9	9.5		SD	0.6	0.7	1.0	2.2	3.7	
%CV	20.1%	18.2%	14.2%	11.6%	11.8%		%CV	6.9%	5.6%	4.3%	5.1%	4.6%	
N	117	117	116	120	120		N	30	30	30	30	29	
mean+3SD	11.2	18.0	30.8	57.4	108.6		mean+3SD	10.0	15.2	25.5	49.3	92.3	
mean-3SD	2.8	5.3	12.4	27.8	51.8		mean-3SD	6.5	10.9	19.7	36.2	69.9	
mean/all kit median	1.03	0.98	1.01	0.99	0.99	1.00	kit median	8.2	13.1	22.9	43.0	81.6	
							mean/all kit median	1.22	1.09	1.06	0.99	1.01	1.07
CA125 TOSOH ST A1A (TOM/TO2) mean:							CA125 Roche Elecsys & E170 (BME & BMR/BM1) mean:						
mean	7.8	14.2	26.1	53.6	103.7		mean	7.1	11.5	19.7	36.9	68.4	
N	2	2	2	2	2		SD	1.0	1.0	1.2	2.0	3.9	
mean/all kit median	1.14	1.19	1.22	1.25	1.28	1.22	%CV	14.6%	8.9%	6.1%	5.4%	5.8%	
							N	15	15	15	15	15	
CA125 Abbott AxSym, IMX & Architect (ABB, ABM & ABH/AB1) mean:							mean+3SD	10.2	14.5	23.3	42.9	80.3	
mean	7.2	12.9	24.0	47.5	87.7		mean-3SD	4.0	8.4	16.1	30.9	56.6	
SD	1.9	2.1	2.7	4.3	7.0		kit median	7.3	11.4	20.0	37.3	68.9	
%CV	27.0%	16.3%	11.2%	9.1%	7.9%		mean/all kit median	1.05	0.96	0.92	0.86	0.85	0.93
N	17	17	17	17	17								
mean+3SD	13.0	19.1	32.0	60.4	108.6		CA125 Siemens/DPC Immulite 2500 (DPF/DP5) mean:						
mean-3SD	1.4	6.6	15.9	34.6	66.8		mean	5.9	10.6	20.0	41.2	80.3	
kit median	7.0	12.4	24.0	48.3	86.7		SD	0.4	0.7	0.7	1.8	3.7	
mean/all kit median	1.06	1.08	1.12	1.10	1.09	1.09	%CV	7.2%	6.3%	3.6%	4.4%	4.7%	
							N	4	4	3	4	4	
CA125 TOSOH AIA (TOM/TO1) mean:							mean+3SD	7.2	12.6	22.2	46.6	91.5	
mean	6.4	12.4	24.8	48.4	92.6		mean-3SD	4.6	8.6	17.9	35.7	69.0	
SD	1.2	1.4	2.5	4.4	5.5		kit median	5.8	10.8	20.4	41.0	79.7	
%CV	18.8%	11.2%	9.9%	9.0%	5.9%		mean/all kit median	0.87	0.89	0.93	0.96	0.99	0.93
N	4	4	4	4	4								
mean+3SD	10.0	16.6	32.1	61.5	109.1		CA125 Beckman Unicel & Access (BCU & BCX/BC1) mean:						
mean-3SD	2.8	8.2	17.4	35.3	76.1		mean	6.9	12.6	23.7	47.0	90.5	
kit median	6.7	12.4	25.1	47.1	95.1		SD	1.0	1.2	1.7	2.4	5.1	
mean/all kit median	0.95	1.04	1.16	1.13	1.15	1.08	%CV	14.6%	9.9%	7.1%	5.0%	5.6%	
							N	9	9	9	9	9	
CA125 Siemens/DPC Immulite 1000 (DPB/DP5) mean:							mean+3SD	9.9	16.3	28.8	54.0	105.8	
mean	5.6	10.2	20.2	41.0	78.1		mean-3SD	3.8	8.8	18.7	39.9	75.2	
SD	0.4	0.3	2.0	1.1	2.6		kit median	6.9	12.6	23.9	47.3	90.9	
%CV	7.2%	2.8%	10.0%	2.7%	3.3%		mean/all kit median	1.01	1.05	1.11	1.09	1.12	1.08
N	5	5	5	5	5								
mean+3SD	6.9	11.0	26.3	44.3	85.9								
mean-3SD	4.4	9.3	14.2	37.7	70.3								
kit median	5.7	10.1	20.5	41.4	79.0								
mean/all kit median	0.83	0.85	0.94	0.95	0.97	0.91							

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	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
CA125 Siemens/DPC Immulite 2000 (DPD/DP5) mean:							CA125 Ortho Clinical Vitros Eci (JJC/JJ1) mean:						
mean	5.5	10.1	19.9	40.2	78.4		mean	6.7	5.0	11.9	43.3	68.6	
SD	0.6	0.9	1.5	2.3	4.1		SD	0.9	0.7	1.6	1.9	2.9	
%CV	11.6%	8.9%	7.4%	5.6%	5.3%		%CV	14.0%	15.0%	13.3%	4.5%	4.2%	
N	24	24	24	24	24		N	6	6	4	6	6	
mean+3SD	7.4	12.8	24.4	47.0	90.8		mean+3SD	9.5	7.2	16.6	49.0	77.3	
mean-3SD	3.6	7.4	15.5	33.5	66.0		mean-3SD	3.9	2.8	7.1	37.5	59.9	
kit median	5.6	10.0	20.0	40.1	78.1		kit median	6.5	5.4	12.0	42.6	68.2	
mean/all kit median	0.81	0.85	0.93	0.94	0.97	0.90	mean/all kit median	0.99	0.42	0.55	1.01	0.85	0.76

CA125 Fujirebio/Centocor (GAA/CE1) mean:							*CA125 kit average:					
mean			13.2	31.1	59.1		mean*	6.7	11.2	21.3	44.2	82.9
N	1	1	2	2	2		SD*	0.9	2.6	4.0	4.9	10.9
mean/all kit median			0.62	0.72	0.73	0.69	all kit median*	6.8	11.9	21.4	43.0	80.7
							*excluded Fujirebio/Centocor for insufficient data					

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
CA27.29 all lab mean:							CA27.29 Siemens/Bayer ADVIA-Centaur (COB/BA1) mean:						
mean	5.2	10.9	25.0	57.3	103.5		mean	4.1	10.1	24.3	57.0	101.7	
SD	2.6	2.9	3.1	3.8	6.9		SD	2.2	2.4	2.7	3.5	4.9	
%CV	50.0%	26.2%	12.4%	6.6%	6.6%		%CV	52.8%	23.6%	10.9%	6.2%	4.8%	
mean+3SD	12.9	19.5	34.3	68.7	124.1		mean+3SD	10.6	17.3	32.2	67.6	116.3	
mean-3SD	-2.6	2.4	15.7	46.0	82.8		mean-3SD	-2.4	3.0	16.3	46.4	87.0	
N	27	45	48	48	48		N	19	36	39	39	39	
mean/all kit median	0.81	0.86	0.94	0.99	1.00	0.92	kit median	3.8	10.1	24.0	56.5	102.6	
							mean/all kit median	0.64	0.80	0.92	0.98	0.98	0.86

CA27.29 TOSOH ST AIA (TOM/TO2) mean:							CA27.29 Siemens/Bayer ACS-180 (COS/BA1) mean:						
mean	8.0	14.9	29.4	60.9	117.2		mean	4.8	10.6	24.3	58.9	104.1	
SD	1.5	0.9	1.9	3.2	6.0		N	1	2	2	2	2	
%CV	18.3%	6.3%	6.6%	5.3%	5.1%		mean/all kit median	0.75	0.83	0.92	1.02	1.01	0.90
mean+3SD	12.4	17.7	35.2	70.5	135.4								
mean-3SD	3.6	12.1	23.6	51.3	99.1								
N	5	5	5	5	5								
kit median	8.3	15.2	28.8	61.9	118.8								
mean/all kit median	1.25	1.17	1.11	1.05	1.13	1.14							

CA27.29 TOSOH A1A (TOM/TO1) mean:							CA 27.29 kit average:					
mean	8.2	16.0	28.6	53.1	102.9		mean	6.3	12.9	26.6	57.5	106.5
N	2	2	2	2	2		SD	2.1	3.0	2.8	3.3	7.2
mean/all kit median	1.28	1.25	1.08	0.92	0.99	1.10	all kit median	6.4	12.7	26.5	57.9	103.5

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	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
CA15-3 all lab mean:							CA15-3 Beckman Unicel & Access (BCU & BCX/BC1) mean:						
mean	7.2	13.6	26.0	52.5	102.8		mean	6.8	12.6	24.3	48.6	92.9	
SD	3.0	5.0	9.8	20.2	47.5		SD	0.5	1.1	2.0	3.8	6.1	
%CV	41.4%	37.0%	37.6%	38.6%	46.2%		%CV	7.6%	9.0%	8.1%	7.7%	6.5%	
mean+3SD	16.2	28.7	55.4	113.1	245.2		mean+3SD	8.4	15.9	30.2	59.9	111.1	
mean-3SD	-1.8	-1.5	-3.3	-8.2	-39.7		mean-3SD	5.3	9.2	18.4	37.4	74.8	
N	54	56	56	56	56		N	5	5	5	5	5	
mean/all kit median	1.07	1.27	1.22	1.20	1.25	1.20	kit median	7.0	12.7	24.4	48.3	93.2	
							mean/all kit median	1.01	1.17	1.14	1.11	1.13	1.11
CA15-3 Siemens/DPC Immulite 2500 (DPF/DP5) mean:							CA15-3 Siemens/Bayer ADVIA-Centaur (COB/BA1) mean:						
mean	13.4	23.5	44.7	88.3	207.7		mean	4.7	10.4	21.3	43.7	82.0	
SD	1.3	0.2	0.3	3.8	9.0		SD	1.5	1.7	3.0	4.7	9.5	
%CV	9.4%	0.7%	0.6%	4.3%	4.3%		%CV	32.1%	15.9%	14.3%	10.8%	11.5%	
mean+3SD	17.1	23.9	45.5	99.8	234.6		mean+3SD	9.3	15.4	30.5	57.9	110.4	
mean-3SD	9.6	23.0	43.9	76.8	180.8		mean-3SD	0.2	5.4	12.2	29.5	53.6	
N	3	3	3	3	3		N	19	19	20	20	20	
kit median	12.8	23.5	44.8	87.2	203.0		kit median	4.4	10.6	21.7	43.1	79.8	
mean/all kit median	1.98	2.19	2.09	2.02	2.53	2.16	mean/all kit median	0.70	0.97	1.00	1.00	1.00	0.94
CA15-3 Siemens/DPC Immulite 1000/2000 (DPB & DPD/DP5) mean:							CA15-3 Ortho Clinical Vitros Eci (JJ/JJ1) mean:						
mean	11.7	23.3	46.2	95.6	197.7		mean	6.8	10.7	19.4	39.1	73.5	
SD	1.0	1.8	2.6	7.1	9.7		SD	0.4	0.7	1.2	2.9	6.2	
%CV	8.9%	7.9%	5.6%	7.4%	4.9%		%CV	5.2%	6.3%	6.4%	7.5%	8.4%	
mean+3SD	14.8	28.8	53.9	116.7	226.9		mean+3SD	7.8	12.7	23.1	47.8	92.0	
mean-3SD	8.6	17.8	38.4	74.4	168.5		mean-3SD	5.7	8.7	15.7	30.3	55.1	
N	7	7	7	7	7		N	2	4	4	4	4	
kit median	11.9	23.0	45.9	97.0	196.0		kit median	6.8	10.7	19.0	38.5	71.5	
mean/all kit median	1.73	2.18	2.16	2.19	2.41	2.13	mean/all kit median	1.00	1.00	0.91	0.89	0.90	0.94
CA15-3 Abbott Asxym, IMX & Architect (ABB, ABM & ABH/AB1) mean:							CA15-3 Roche Elecsys & E170 (BME & BMR/BM1) mean:						
mean	7.9	14.1	25.7	49.7	92.0		mean	6.0	10.4	19.2	37.4	69.2	
SD	0.5	0.9	1.9	5.0	10.1		SD	0.3	0.5	1.3	2.5	5.0	
%CV	6.4%	6.1%	7.4%	10.1%	11.0%		%CV	4.8%	5.1%	6.8%	6.7%	7.3%	
mean+3SD	9.5	16.7	31.4	64.8	122.4		mean+3SD	6.9	12.0	23.1	45.0	84.3	
mean-3SD	6.4	11.6	20.0	34.7	61.5		mean-3SD	5.2	8.9	15.3	29.9	54.2	
N	8	8	8	8	8		N	8	8	8	8	8	
kit median	7.9	14.0	25.6	50.0	90.3		kit median	6.0	10.4	19.1	37.2	68.2	
mean/all kit median	1.18	1.32	1.20	1.14	1.12	1.19	mean/all kit median	0.89	0.98	0.90	0.86	0.84	0.89
* Note: The two DPC results were not included in the calculation of the all kit means and medians because the results from those methods were very different from the results of all the others.							CA 15-3 kit average: *see adjacent note						
							mean	6.5	11.6	22.0	43.7	81.9	
							SD	1.2	1.7	2.9	5.5	10.6	
							all kit median	6.8	10.7	21.3	43.7	82.0	

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	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
CA19-9 all lab mean:							CA19-9 Beckman Access (BCX/BC1) mean:						
mean	9.1	17.1	32.2	60.6	114.0		mean	6.3	11.7	22.1	45.6	87.6	
SD	2.7	4.9	9.3	16.3	31.3		SD	1.0	1.5	2.0	5.0	11.1	
%CV	29.3%	28.7%	28.9%	26.8%	27.4%		%CV	15.6%	12.6%	9.0%	11.0%	12.7%	
mean+3SD	17.2	31.8	60.1	109.4	207.7		mean+3SD	9.2	16.2	28.1	60.6	120.8	
mean-3SD	1.1	2.4	4.3	11.8	20.2		mean-3SD	3.4	7.3	16.1	30.6	54.3	
N	57	57	57	57	57		N	4	4	4	4	4	
mean/all kit median	1.16	1.38	1.45	1.33	1.34	1.33	kit median	6.5	11.8	22.1	44.0	84.2	
							mean/all kit median	0.80	0.95	1.00	1.00	1.03	0.96
CA19-9 Siemens/Bayer ADVIA-Centaur (COB/BA1) mean:							CA19-9 TOSOH ST AIA (TOM/TO2) mean:						
mean	10.6	21.2	40.6	75.1	142.3		mean	7.9	12.3	20.8	39.6	74.2	
SD	2.6	2.5	2.5	4.8	9.3		SD	0.1	0.8	0.7	1.0	2.8	
%CV	24.9%	11.8%	6.2%	6.4%	6.5%		%CV	0.7%	6.1%	3.5%	2.6%	3.8%	
mean+3SD	18.5	28.7	48.2	89.6	170.1		mean+3SD	8.1	14.5	23.0	42.7	82.6	
mean-3SD	2.7	13.7	33.0	60.6	114.4		mean-3SD	7.8	10.0	18.6	36.5	65.8	
N	30	30	30	30	30		N	3	3	3	3	3	
kit median	10.3	21.0	40.9	76.0	143.1	1.64	kit median	7.9	12.3	21.0	39.0	75.7	
mean/all kit median	1.35	1.72	1.83	1.65	1.67		mean/all kit median	1.01	0.99	0.94	0.87	0.87	0.94
CA19-9 Roche Elecsys & E170 (BME & BMR/BM1) mean:							CA19-9 TOSOH A1A (TOM/TO1) mean:						
mean	8.2	13.5	24.4	45.4	84.6		mean	7.8	12.4	21.3	41.5	77.3	
SD	0.6	0.7	1.5	2.7	3.6		N	2	2	2	2	2	
%CV	7.3%	5.4%	6.0%	5.8%	4.2%		mean/all kit median	0.99	1.01	0.96	0.91	0.91	0.96
mean+3SD	9.9	15.7	28.8	53.4	95.4								
mean-3SD	6.4	11.3	20.0	37.5	73.8								
N	7	7	7	7	7								
kit median	8.0	13.5	25.0	46.0	85.4	1.04							
mean/all kit median	1.04	1.09	1.10	1.00	0.99								
CA19-9 Beckman Unicel (BCU/BC1) mean:							CA 19-9 kit average: * see note						
mean	7.1	11.4	22.3	45.9	85.5		mean	7.4	12.3	22.2	43.6	81.8	
SD	1.8	0.7	0.6	9.1	3.6		SD	0.8	0.8	1.4	2.9	5.8	
%CV	24.8%	5.9%	2.7%	19.8%	4.2%		all kit median	7.9	12.3	22.2	45.5	85.1	
mean+3SD	12.3	13.4	24.1	73.1	96.2								
mean-3SD	1.8	9.4	20.5	18.6	74.8								
N	8	8	8	8	8								
all median	6.6	11.4	22.3	43.2	85.4	0.97							
mean/all kit median	0.90	0.92	1.00	1.01	1.01								

* Note: The COB means were not included in the calculation of the all kit means because the results from this method were very different from the results of all the others. However, this method was included in the all kit median calculation.

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	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
CEA all lab mean:							CEA Abbott Architect (ABH/AB1) mean:						
mean	1.7	2.7	4.7	9.2	17.1		mean	1.7	2.7	4.8	9.5	17.3	
SD	0.4	0.5	0.8	1.3	2.7		SD	0.1	0.1	0.2	0.6	0.7	
%CV	22.2%	17.4%	16.6%	14.3%	15.8%		%CV	7.3%	3.5%	4.6%	6.1%	4.0%	
mean+3SD	2.9	4.1	7.0	13.2	25.3		mean+3SD	2.1	3.0	5.5	11.2	19.3	
mean-3SD	0.6	1.3	2.4	5.3	9.0		mean-3SD	1.3	2.4	4.2	7.8	15.2	
N	176	170	172	178	177		N	4	4	4	4	4	
mean/all kit median	1.12	1.05	1.03	0.98	0.99	1.03	kit median	1.7	2.8	4.8	9.5	17.4	
							mean/all kit median	1.13	1.07	1.06	1.00	1.00	1.05
CEA TOSOH AIA (TOM/TO1) mean:							CEA Siemens/DPC Immulite 2500 (DPF/DP5) mean:						
mean	2.1	3.5	6.0	11.6	21.3		mean	1.5	2.6	4.7	9.6	19.0	
SD	0.1	0.1	0.2	0.3	1.1		SD	0.2	0.1	0.3	0.6	1.2	
%CV	5.6%	1.7%	2.9%	2.8%	5.2%		%CV	10.0%	2.2%	5.6%	5.9%	6.4%	
mean+3SD	2.4	3.6	6.5	12.5	24.6		mean+3SD	2.0	2.8	5.5	11.3	22.6	
mean-3SD	1.7	3.3	5.5	10.6	18.0		mean-3SD	1.1	2.5	3.9	7.9	15.4	
N	3	3	3	3	3		N	3	3	3	3	3	
kit median	2.0	3.5	6.1	11.7	21.3		kit median	1.5	2.6	4.6	9.8	18.4	
mean/all kit median	1.35	1.36	1.32	1.22	1.23	1.30	mean/all kit median	1.00	1.03	1.03	1.02	1.10	1.04
CEA TOSOH ST AIA (TOM/TO2) mean:							CEA Siemens/DPC Immulite 2000 (DPD/DP5) mean:						
mean	2.1	3.4	5.8	11.1	20.8		mean	1.4	2.6	4.6	9.4	18.7	
SD	0.1	0.1	0.2	0.1	0.4		SD	0.1	0.2	0.4	0.3	0.8	
%CV	2.4%	1.7%	3.3%	1.3%	2.1%		%CV	9.2%	8.7%	8.5%	3.4%	4.2%	
mean+3SD	2.3	3.5	6.3	11.5	22.1		mean+3SD	1.8	3.2	5.7	10.4	21.0	
mean-3SD	2.0	3.2	5.2	10.7	19.4		mean-3SD	1.0	1.9	3.4	8.5	16.3	
N	4	4	4	4	4		N	13	13	13	13	13	
kit median	2.1	3.4	5.8	11.1	20.6		kit median	1.4	2.5	4.5	9.5	18.6	
mean/all kit median	1.39	1.31	1.26	1.18	1.20	1.27	mean/all kit median	0.93	1.00	1.00	1.00	1.08	1.00
CEA Siemens/Bayer ADVIA-Centaur & ACS-180 (COB & COS/BA1) mean:							CEA Siemens/DPC Immulite 1000 (DPB/DP5) mean:						
mean	2.0	3.1	5.3	10.3	19.2		mean	1.4	2.4	4.6	9.3	18.7	
SD	0.3	0.3	0.5	0.7	1.4		SD	0.1	0.3	0.4	0.2	0.5	
%CV	14.3%	10.3%	9.3%	6.7%	7.4%		%CV	8.1%	13.6%	7.6%	1.9%	2.5%	
mean+3SD	2.8	4.0	6.7	12.4	23.5		mean+3SD	1.8	3.3	5.7	9.8	20.1	
mean-3SD	1.1	2.1	3.8	8.2	15.0		mean-3SD	1.1	1.4	3.6	8.8	17.3	
N	62	63	63	62	63		N	3	3	3	3	3	
kit median	2.0	3.1	5.3	10.1	18.9		kit median	1.5	2.5	4.6	9.2	18.6	
mean/all kit median	1.30	1.21	1.16	1.09	1.11	1.17	mean/all kit median	0.93	0.93	1.02	0.98	1.08	0.99

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Summary of Results

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
CEA Abbott Asxym & Imx (ABB & ABM/AB1) mean:							CEA Roche Elecsys (BME/BM1) mean:						
mean	1.5	2.6	4.6	8.8	17.0		mean	1.6	2.3	4.0	7.4	13.6	
SD	0.2	0.2	0.4	0.8	1.1		SD	0.2	0.2	0.2	0.4	0.6	
%CV	13.9%	8.0%	8.3%	8.6%	6.6%		%CV	12.8%	8.0%	6.0%	5.7%	4.2%	
mean+3SD	2.1	3.2	5.7	11.1	20.4		mean+3SD	2.1	2.9	4.7	8.6	15.3	
mean-3SD	0.9	2.0	3.4	6.5	13.6		mean-3SD	1.0	1.8	3.3	6.1	11.9	
N	21	21	20	21	21		N	12	12	12	12	12	
kit median	1.5	2.6	4.6	8.9	17.2		kit median	1.6	2.3	4.0	7.4	13.8	
mean/all kit median	0.97	1.01	1.00	0.93	0.99	0.98	mean/all kit median	1.01	0.91	0.87	0.78	0.79	0.87

CEA Beckman Unicel (BCU/BC1) mean:							CEA Ortho Clinical Vitros Eci (JJC/JJ1) mean:						
mean	1.5	2.4	4.2	8.2	15.4		mean	2.4	0.9	3.2	10.0	12.2	
SD	0.1	0.2	0.2	0.6	0.8		SD	0.5	0.3	1.9	0.7	0.4	
%CV	9.9%	6.9%	5.9%	7.8%	5.4%		%CV	18.9%	34.5%	60.0%	7.1%	3.6%	
mean+3SD	1.9	2.9	5.0	10.1	17.8		mean+3SD	3.8	1.8	8.9	12.1	13.5	
mean-3SD	1.0	1.9	3.5	6.3	12.9		mean-3SD	1.0	0.0	-2.5	7.9	10.9	
N	13	13	13	13	13		N	10	10	10	10	9	
kit median	1.5	2.4	4.2	7.8	15.4		kit median	2.4	0.9	2.4	10.0	12.2	
mean/all kit median	0.95	0.94	0.92	0.87	0.89	0.91	mean/all kit median	1.57	0.35	0.70	1.06	0.71	0.87

CEA Beckman Access (BCX/BC1) mean:							CEA Roche E170 (BMR/BM1) mean:						
mean	1.4	2.3	4.2	8.1	15.6		mean	1.3	2.0	3.7	7.1	13.2	
SD	0.1	0.1	0.4	0.4	0.9		SD	0.2	0.1	0.2	0.4	0.5	
%CV	8.3%	5.7%	10.5%	4.9%	5.7%		%CV	16.0%	6.8%	4.6%	5.0%	4.1%	
mean+3SD	1.8	2.7	5.6	9.3	18.2		mean+3SD	1.9	2.5	4.2	8.1	14.8	
mean-3SD	1.1	1.9	2.9	6.9	12.9		mean-3SD	0.7	1.6	3.2	6.0	11.6	
N	14	14	13	14	14		N	14	14	14	14	14	
kit median	1.4	2.3	4.2	8.1	15.3		kit median	1.3	2.0	3.7	7.1	13.2	
mean/all kit median	0.92	0.91	0.93	0.86	0.90	0.91	mean/all kit median	0.86	0.80	0.80	0.75	0.76	0.80

CEA kit average:					
mean	1.7	2.5	4.6	9.3	17.1
SD	0.3	0.6	0.8	1.3	2.9
all kit median	1.5	2.6	4.6	9.4	17.3

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Summary of Results

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
AFP all lab mean:							AFP Beckman Unicel (BCU/BC1) mean:						
mean	5.6	10.7	20.4	40.3	78.6		mean	4.7	9.0	17.1	34.4	69.7	
SD	2.3	4.3	7.9	15.8	29.2		SD	0.3	0.5	0.6	1.4	3.1	
%CV	40.5%	40.2%	38.9%	39.3%	37.2%		%CV	7.3%	5.8%	3.3%	4.1%	4.5%	
mean+3SD	12.4	23.5	44.1	87.8	166.3		mean+3SD	5.7	10.6	18.8	38.6	79.1	
mean-3SD	-1.2	-2.2	-3.4	-7.2	-9.0		mean-3SD	3.6	7.4	15.3	30.1	60.3	
N	102	103	103	103	103		N	12	12	12	12	12	
mean/all kit median	1.23	1.27	1.27	1.24	1.25	1.25	kit median	4.7	9.1	17.1	34.2	69.7	
							mean/all kit median	1.04	1.07	1.06	1.05	1.11	1.07
AFP Siemens/Bayer ADVIA-Centaur (COB/BA1) mean:							AFP Beckman Access (BCX/BC1) mean:						
mean	9.3	17.5	33.1	66.2	126.1		mean	4.6	8.8	17.0	34.9	65.4	
SD	0.7	1.0	1.9	3.2	6.4		SD	0.2	0.3	0.5	1.0	2.7	
%CV	7.5%	5.8%	5.8%	4.8%	5.1%		%CV	4.3%	3.3%	2.7%	2.8%	4.1%	
mean+3SD	11.4	20.6	38.9	75.8	145.2		mean+3SD	5.2	9.7	18.4	37.8	73.5	
mean-3SD	7.2	14.5	27.3	56.7	106.9		mean-3SD	4.0	8.0	15.6	32.0	57.3	
N	24	26	26	25	26		N	3	3	3	3	3	
kit median	9.3	17.3	33.4	66.5	125.1		kit median	4.6	9.0	17.1	35.1	63.9	
mean/all kit median	2.06	2.09	2.06	2.03	2.00	2.05	mean/all kit median	1.02	1.05	1.06	1.07	1.04	1.05
AFP Ortho Clinical Vitros Eci (JJC/JJ1) mean:							AFP Abbott Asxym (ABB/AB1) mean:						
mean	7.6	14.0	27.1	52.5	94.4		mean	4.6	8.6	16.9	33.9	64.4	
SD	0.4	0.9	1.3	2.0	4.2		SD	0.3	0.5	0.7	2.2	6.2	
%CV	5.4%	6.1%	4.8%	3.7%	4.5%		%CV	6.7%	6.0%	4.3%	6.6%	9.7%	
mean+3SD	8.8	16.6	31.0	58.3	107.0		mean+3SD	5.5	10.1	19.1	40.6	83.1	
mean-3SD	6.4	11.4	23.2	46.6	81.8		mean-3SD	3.7	7.0	14.7	27.1	45.6	
N	4	4	4	4	4		N	12	12	12	12	12	
kit median	7.5	13.8	26.6	51.9	93.9		kit median	4.6	8.5	16.9	34.4	64.0	
mean/all kit median	1.69	1.67	1.69	1.61	1.50	1.63	mean/all kit median	1.02	1.02	1.05	1.04	1.02	1.03

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Summary of Results

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
AFP TOSOH ST A1A (TOM/TO2) mean:							AFP Siemens/DPC Immulite 1000 (DPB/DP5) mean:						
mean	4.5	8.4	16.0	32.6	62.9		mean	3.8	7.2	14.2	28.7	53.6	
SD	0.4	0.6	1.1	1.0	2.2		SD	0.2	0.2	0.3	0.6	2.1	
%CV	9.7%	7.4%	6.7%	3.0%	3.5%		%CV	5.5%	2.1%	1.9%	2.2%	4.0%	
mean+3SD	5.8	10.3	19.2	35.5	69.6		mean+3SD	4.4	7.7	15.0	30.6	60.0	
mean-3SD	3.2	6.5	12.8	29.6	56.3		mean-3SD	3.1	6.8	13.4	26.8	47.2	
N	3	3	3	3	3		N	3	3	3	3	3	
kit median	4.3	8.2	15.8	32.1	61.7		kit median	3.7	7.2	14.3	28.9	54.3	
mean/all kit median	1.00	1.00	1.00	1.00	1.00	1.00	mean/all kit median	0.84	0.86	0.89	0.88	0.85	0.86
AFP Roche E170 (BMR/BM1) mean:							AFP Siemens/DPC Immulite 2000/2500 (DPD & F/DP5) mean:						
mean	4.5	7.9	15.3	31.4	61.4		mean	3.9	7.0	13.8	27.8	53.5	
SD	0.4	0.3	0.6	1.2	2.6		SD	0.2	0.3	0.7	1.5	3.1	
%CV	10.0%	3.5%	4.2%	3.9%	4.2%		%CV	4.4%	4.4%	4.7%	5.2%	5.7%	
mean+3SD	5.8	8.7	17.2	35.1	69.1		mean+3SD	4.4	8.0	15.8	32.2	62.7	
mean-3SD	3.2	7.1	13.3	27.7	53.6		mean-3SD	3.3	6.1	11.9	23.5	44.3	
N	11	11	11	11	11		N	23	23	23	23	23	
kit median	4.5	8.0	15.4	31.7	61.5		kit median	3.9	7.0	13.7	28.2	53.7	
mean/all kit median	1.00	0.94	0.95	0.96	0.98	0.97	mean/all kit median	0.86	0.84	0.86	0.85	0.85	0.85
AFP Roche Elecsys (BME/BM1) mean:							AFP kit average:						
mean	4.2	8.0	15.2	31.1	62.5		mean	5.2	9.6	18.6	37.3	71.4	
SD	0.2	0.5	0.9	1.3	4.0		SD	1.8	3.4	6.3	12.3	22.3	
%CV	5.6%	5.7%	5.8%	4.3%	6.5%		all kit median	4.5	8.5	16.5	33.2	63.6	
mean+3SD	4.9	9.3	17.8	35.1	74.5								
mean-3SD	3.5	6.6	12.6	27.1	50.4								
N	4	4	4	4	4								
kit median	4.3	8.2	15.5	31.5	61.6								
mean/all kit median	0.94	0.95	0.95	0.96	0.99	0.96							

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Summary of Results

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
PSA all lab mean:							PSA TOSOH AIA (TOM/TO1) mean:						
mean	2.0	4.0	8.0	16.3	31.6		mean	2.2	4.3	8.4	17.6	33.4	
SD	0.2	0.4	0.8	1.6	3.2		SD	0.0	0.1	0.2	1.0	1.3	
%CV	9.1%	9.4%	9.8%	10.0%	10.1%		%CV	2.2%	2.7%	2.9%	5.9%	3.9%	
mean+3SD	2.6	5.1	10.3	21.1	41.2		mean+3SD	2.3	4.6	9.1	20.7	37.3	
mean-3SD	1.5	2.9	5.6	11.4	22.0		mean-3SD	2.0	3.9	7.6	14.4	29.5	
N	268	268	268	267	266		N	7	7	7	7	7	
mean/target	1.13	1.11	1.11	1.11	1.10	1.11	kit median	2.2	4.2	8.4	17.6	33.2	
							mean/target	1.21	1.18	1.16	1.20	1.16	1.18
PSA Siemens/Dade Behring Dimension (DUD/DA1) mean:							PSA TOSOH ST AIA (TOM/TO2) mean:						
mean	2.2	4.4	9.0	18.3	36.0		mean	2.1	4.1	8.2	16.7	32.1	
SD	0.1	0.3	0.5	1.0	1.9		SD	0.2	0.2	0.5	1.2	2.1	
%CV	6.5%	5.7%	5.7%	5.3%	5.2%		%CV	7.9%	5.8%	5.6%	7.5%	6.4%	
mean+3SD	2.7	5.2	10.5	21.2	41.6		mean+3SD	2.6	4.8	9.5	20.4	38.2	
mean-3SD	1.8	3.7	7.5	15.4	30.3		mean-3SD	1.6	3.4	6.8	13.0	25.9	
N	27	27	27	27	27		N	5	5	5	5	5	
kit median	2.2	4.5	9.1	18.4	35.4		kit median	2.0	4.0	8.2	16.8	32.2	
mean/target	1.24	1.23	1.25	1.25	1.25	1.24	mean/target	1.16	1.14	1.13	1.14	1.12	1.14
PSA Beckman Access (BCX/BC2) mean:							PSA Abbott Architect (ABH/AB1) mean:						
mean	2.2	4.4	8.7	18.0	35.0		mean	2.0	4.0	8.0	17.0	33.2	
SD	0.1	0.2	0.4	0.9	1.5		SD	0.1	0.1	0.4	0.7	1.3	
%CV	5.0%	4.5%	4.5%	5.0%	4.3%		%CV	2.5%	2.1%	4.8%	4.4%	4.0%	
mean+3SD	2.5	5.0	9.9	20.7	39.6		mean+3SD	2.2	4.2	9.2	19.2	37.2	
mean-3SD	1.8	3.8	7.5	15.2	30.5		mean-3SD	1.9	3.7	6.9	14.8	29.1	
N	37	37	37	36	37		N	6	6	6	6	6	
kit median	2.2	4.4	8.6	18.0	35.1		kit median	2.0	4.0	8.1	17.0	32.9	
mean/target	1.21	1.21	1.21	1.22	1.22	1.21	mean/target	1.13	1.10	1.11	1.16	1.16	1.13
PSA Beckman Unicel (BCU/BC2) mean:							PSA Siemens/DPC Immulite 1000/2000/2500 (DPB, D &F/DP5) mean:						
mean	2.2	4.3	8.5	17.3	34.4		mean	2.0	4.1	8.1	16.3	30.9	
SD	0.2	0.2	0.4	0.9	1.4		SD	0.2	0.4	0.7	1.2	1.7	
%CV	7.4%	5.7%	4.8%	4.9%	4.0%		%CV	9.5%	9.2%	8.4%	7.1%	5.5%	
mean+3SD	2.7	5.0	9.8	19.9	38.5		mean+3SD	2.6	5.2	10.1	19.8	36.1	
mean-3SD	1.7	3.6	7.3	14.7	30.2		mean-3SD	1.4	2.9	6.0	12.9	25.8	
N	18	18	18	18	18		N	30	30	30	30	30	
kit median	2.1	4.3	8.6	17.6	34.6		kit median	2.0	4.0	8.0	16.6	31.2	
mean/target	1.22	1.19	1.18	1.18	1.20	1.19	mean/target	1.11	1.13	1.12	1.11	1.08	1.11

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Summary of Results

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
PSA Ortho Clinical Vitros Eci (JJC/JJ1) mean:							PSA Roche E170 (BMR/BM1) mean:						
mean	2.2	4.0	7.7	15.7	30.5		mean	1.9	3.7	7.3	14.7	28.7	
SD	0.1	0.2	0.3	0.7	1.4		SD	0.1	0.2	0.3	0.7	1.4	
%CV	4.9%	4.4%	3.7%	4.3%	4.6%		%CV	5.3%	4.8%	4.6%	4.8%	4.8%	
mean+3SD	2.5	4.5	8.5	17.8	34.6		mean+3SD	2.2	4.2	8.3	16.8	32.8	
mean-3SD	1.8	3.4	6.8	13.7	26.3		mean-3SD	1.6	3.1	6.3	12.6	24.6	
N	15	15	15	15	15		N	18	18	18	18	18	
kit median	2.2	3.9	7.7	15.8	30.5		kit median	1.9	3.7	7.3	14.9	28.9	
mean/target	1.20	1.10	1.07	1.07	1.06	1.10	mean/target	1.03	1.02	1.01	1.00	1.00	1.01
PSA Abbott Asxym & Imx (ABB & ABM/AB1) mean:							PSA Roche Elecsys (BME/BM1) mean:						
mean	1.9	3.8	7.7	15.9	31.1		mean	1.9	3.6	7.1	14.3	27.5	
SD	0.1	0.3	0.5	1.0	2.6		SD	0.1	0.2	0.5	0.9	1.8	
%CV	6.6%	8.0%	7.0%	6.5%	8.4%		%CV	7.3%	6.9%	6.8%	6.3%	6.4%	
mean+3SD	2.3	4.8	9.3	19.0	38.9		mean+3SD	2.3	4.4	8.6	17.0	32.8	
mean-3SD	1.5	2.9	6.1	12.8	23.2		mean-3SD	1.5	2.9	5.7	11.6	22.3	
N	22	22	22	22	22		N	17	17	17	17	17	
kit median	1.9	3.9	7.8	15.8	30.5		kit median	1.8	3.6	7.1	14.1	27.1	
mean/target	1.07	1.07	1.07	1.08	1.08	1.07	mean/target	1.04	1.01	0.99	0.97	0.96	0.99
PSA Siemens/DPC Immulite1000/2000/2500 3G (DPB, D & F/DP6) mean:							PSA kit average:						
mean	1.9	3.8	7.7	15.0	30.0		mean	2.0	4.0	8.0	16.3	31.7	
SD	0.1	0.4	0.8	1.7	2.7		SD	0.1	0.3	0.6	1.3	2.6	
%CV	6.1%	9.5%	10.9%	11.3%	9.1%		all kit median	2.0	4.0	8.0	16.3	31.1	
mean+3SD	2.2	4.9	10.2	20.1	38.2								
mean-3SD	1.6	2.7	5.2	9.9	21.8								
N	7	7	7	7	5								
kit median	1.9	3.7	7.4	14.0	29.7								
mean/target	1.06	1.06	1.07	1.02	1.05	1.05							
PSA Siemens/Bayer ADVIA-Centaur & ACS-180 (COB & COS/BA1) mean:							PSA						
mean	1.9	3.7	7.3	15.0	29.1		* Assigned IS target	1.8	3.6	7.2	14.7	28.7	
SD	0.1	0.2	0.5	0.9	1.6		SD (+/-)	0.1	0.1	0.2	0.7	1.4	
%CV	6.0%	6.1%	6.4%	6.0%	5.5%		% CV	5.8%	3.1%	2.1%	4.7%	4.7%	
mean+3SD	2.3	4.4	8.7	17.8	34.0		high (25%)			9.0	18.4	35.9	
mean-3SD	1.6	3.1	5.9	12.3	24.3		low (25%)			5.4	11.0	21.5	
N	58	59	59	59	58		high (30%)	2.3	4.6				
kit median	1.9	3.7	7.3	14.9	29.0		low (30%)	1.2	2.5				
mean/target	1.08	1.04	1.02	1.02	1.02	1.03	* target value from a traceable PSA standard						

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Summary of Results

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185	
free PSA all lab mean:							free PSA Roche E170 (BMR/BM1) mean:					
mean	0.30	0.58	1.13	2.25	4.25		mean	0.25	0.49	0.95	1.87	3.47
SD	0.07	0.11	0.21	0.41	0.81		SD	0.02	0.02	0.04	0.06	0.12
%CV	22.9%	19.6%	18.8%	18.4%	19.0%		%CV	9.7%	3.1%	3.8%	3.2%	3.4%
mean+3SD	0.51	0.93	1.77	3.49	6.68		mean+3SD	0.33	0.53	1.05	2.05	3.82
mean-3SD	0.09	0.24	0.49	1.01	1.82		mean-3SD	0.18	0.44	0.84	1.69	3.12
N	69	76	78	70	69		N	11	11	12	11	10
mean/target	1.32	1.30	1.27	1.28	1.29	1.29	kit median	0.26	0.49	0.95	1.89	3.46
							mean/target	1.10	1.08	1.06	1.07	1.06
												1.07
free PSA Beckman Unicel (BCU/BC2) mean:							free PSA Abbott Asxym & Imx (ABB & ABM/AB1) mean:					
mean	0.36	0.71	1.36	2.66	4.99		mean	0.21	0.48	0.93	1.75	3.47
SD	0.04	0.03	0.07	0.17	0.21		SD	0.01	0.03	0.07	0.08	0.12
%CV	10.6%	4.3%	5.1%	6.2%	4.2%		%CV	5.6%	6.5%	7.3%	4.6%	3.3%
mean+3SD	0.48	0.80	1.57	3.16	5.62		mean+3SD	0.24	0.57	1.13	2.00	3.81
mean-3SD	0.25	0.61	1.15	2.16	4.37		mean-3SD	0.17	0.38	0.72	1.51	3.12
N	14	14	14	14	14		N	3	6	6	3	3
kit median	0.38	0.70	1.40	2.68	5.00		kit median	0.20	0.49	0.91	1.80	3.40
mean/target	1.58	1.57	1.53	1.52	1.52	1.54	mean/target	0.90	1.06	1.04	1.00	1.05
												1.01
free PSA Beckman Access (BCX/BC2) mean:							free PSA Siemens/DPC Immulite 1000/2000 (DPB & DPD/DP5) mean:					
mean	0.37	0.70	1.35	2.64	4.93		mean	0.22	0.45	0.89	1.79	3.35
SD	0.03	0.02	0.05	0.11	0.24		SD	0.02	0.04	0.06	0.12	0.22
%CV	8.9%	3.0%	4.0%	4.3%	4.8%		%CV	10.7%	9.8%	6.8%	6.6%	6.6%
mean+3SD	0.47	0.76	1.51	2.97	5.64		mean+3SD	0.30	0.58	1.07	2.14	4.00
mean-3SD	0.27	0.64	1.19	2.30	4.23		mean-3SD	0.15	0.32	0.71	1.43	2.69
N	18	20	20	19	18		N	12	12	12	12	12
kit median	0.38	0.70	1.34	2.66	4.98		kit median	0.22	0.44	0.89	1.77	3.26
mean/target	1.61	1.56	1.52	1.51	1.50	1.54	mean/target	0.97	0.99	1.00	1.02	1.02
												1.00
free PSA Siemens/Dade Behring Dimension (DUD/DA1) mean:							free PSA kit average:					
mean	0.31	0.56	1.09	2.18	4.16		mean	0.28	0.55	1.08	2.11	3.99
SD	0.02	0.04	0.07	0.20	0.20		SD	0.07	0.11	0.20	0.39	0.72
%CV	6.7%	7.6%	6.3%	9.2%	4.8%		all kit median	0.26	0.51	0.99	1.91	3.56
mean+3SD	0.37	0.69	1.29	2.78	4.76							
mean-3SD	0.24	0.43	0.88	1.58	3.56							
N	6	7	7	6	6							
kit median	0.30	0.56	1.10	2.21	4.20							
mean/target	1.33	1.24	1.22	1.25	1.27	1.26						
free PSA Roche Elecsys (BME/BM1) mean:							free PSA	TM181	TM182	TM183	TM184	TM185
mean	0.26	0.51	0.99	1.91	3.56		* IS target	0.23	0.45	0.89	1.75	3.29
SD	0.03	0.05	0.09	0.16	0.26		SD (+/-)	0.00	0.02	0.04	0.10	0.20
%CV	10.8%	8.9%	9.1%	8.5%	7.4%		% CV	1.1%	3.9%	4.6%	5.9%	6.1%
mean+3SD	0.34	0.64	1.27	2.40	4.35		high (30%)	0.30	0.58	1.16	2.28	4.27
mean-3SD	0.17	0.37	0.72	1.42	2.76		low (30%)	0.16	0.31	0.63	1.23	2.30
N	5	6	7	5	5		* target value from a traceable free PSA standard.					
kit median	0.27	0.52	1.01	1.94	3.65							
mean/target	1.12	1.13	1.12	1.09	1.08	1.11						

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Summary of Results

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185		
% free PSA all lab mean:							% free PSA ABB & ABM/AB1 mean:						
mean	14.6	14.2	13.9	13.0	12.5		mean	11.5	12.1	11.7	10.3	10.1	
SD	2.7	2.3	2.0	2.0	1.6		SD	0.7	1.0	1.5	0.4	1.3	
%CV	18.2%	16.4%	14.2%	15.5%	13.2%		%CV	6.1%	8.2%	12.6%	3.4%	13.4%	
mean+3SD	22.7	21.2	19.8	19.1	17.4		mean+3SD	13.6	15.1	16.2	11.3	14.1	
mean-3SD	6.6	7.2	8.0	7.0	7.5		mean-3SD	9.4	9.2	7.3	9.2	6.0	
N	48	63	68	44	42		N	2	5	6	2	2	
mean/target	1.11	1.11	1.10	1.07	1.07	1.09	kit median	11.5	12.0	11.2	10.3	10.1	
							mean/target	0.87	0.95	0.93	0.84	0.86	0.89
% free PSA BCU & BCX/BC2 mean:							% free PSA DPD/DP5 mean:						
mean	16.7	16.2	15.6	14.8	13.9		mean	11.1	10.5	11.4	10.7	10.7	
SD	1.6	0.8	1.0	1.2	0.8		SD	0.9	0.9	0.8	0.7	0.9	
%CV	9.5%	5.0%	6.2%	8.2%	5.8%		%CV	7.9%	8.7%	7.0%	6.6%	8.1%	
mean+3SD	21.5	18.6	18.6	18.5	16.3		mean+3SD	13.7	13.2	13.8	12.8	13.3	
mean-3SD	12.0	13.7	12.7	11.2	11.5		mean-3SD	8.5	7.7	9.0	8.6	8.1	
N	21	29	29	15	14		N	7	9	9	8	8	
kit median	17.3	16.0	15.7	15.0	14.0		kit median	11.1	10.0	11.0	10.7	10.8	
mean/target	1.27	1.26	1.24	1.22	1.19	1.24	mean/target	0.84	0.82	0.90	0.88	0.92	0.87
% free PSA BME & BMR/BM1 mean:							% free PSA kit average:						
mean	13.4	13.4	13.3	12.8	12.3		mean	13.3	13.0	12.9	12.1	11.8	
SD	1.2	1.0	0.8	0.9	0.8		SD	2.2	2.1	1.7	1.8	1.5	
%CV	9.3%	7.2%	5.9%	6.7%	6.2%		all kit median	13.4	12.9	12.3	12.1	11.8	
mean+3SD	17.1	16.3	15.7	15.4	14.6								
mean-3SD	9.7	10.5	10.9	10.2	10.0								
N	11	12	16	12	11								
kit median	13.5	13.2	13.2	13.0	12.2								
mean/target	1.01	1.05	1.06	1.05	1.05	1.04							
% free PSA DUD/DA1 mean:							% free PSA IS target						
mean	13.8	12.9	12.3	12.1	11.8		TM181	TM182	TM183	TM184	TM185		
SD	2.0	1.2	0.9	1.2	0.4		13.2%	12.8%	12.6%	12.2%	11.7%		
%CV	14.3%	9.3%	7.5%	9.5%	3.6%								
mean+3SD	19.6	16.5	15.1	15.6	13.0								
mean-3SD	7.9	9.3	9.6	8.7	10.5								
N	5	6	6	5	5								
kit median	14.3	13.2	12.4	12.0	11.9								
mean/target	1.04	1.01	0.98	0.99	1.01	1.01							

	TM181	TM182	TM183	TM184	TM185		TM181	TM182	TM183	TM184	TM185	
complexed PSA all lab mean:							% complexed PSA all lab mean:					
mean	1.7	3.3	6.5	13.1	24.8		mean	85.5%	85.0%	86.2%	85.8%	83.0%
SD	0.1	0.2	0.3	0.5	1.3		SD	9.1%	7.5%	5.9%	6.7%	5.4%
%CV	6.2%	5.7%	4.1%	4.1%	5.2%		%CV	10.6%	8.8%	6.9%	7.9%	6.5%
mean+3SD	2.0	3.8	7.3	14.7	28.7		mean+3SD	112.8%	107.4%	103.9%	106.0%	99.2%
mean-3SD	1.4	2.7	5.7	11.5	20.9		mean-3SD	58.3%	62.6%	68.5%	65.6%	66.8%
N	11	11	11	11	11		N	10	10	10	10	10
all median	1.7	3.2	6.5	13.2	24.7		all median	84.6%	85.4%	87.3%	85.4%	83.3%