

New York State Fetal Defect Markers Proficiency Test,
 September 2007
 Summary of First Trimester Results

	FT211	FT212
Gestational Age All Lab Mean:		
Mean	11.0	12.0
SD	0.09	0.03
%CV	0.8%	0.2%
X+3*SD	11.2	12.1
X-3*SD	10.7	11.9
N	12	12

FT hCG All Lab Mean:		
mean	87.89	136.29
SD	7.85	15.64
%CV	8.9%	11.5%
X+3SD	111.45	183.21
X-3SD	64.33	89.37
N	12	12
mean/All kit median	1.00	1.00

	FT 211	FT 212
FT hCG MoMs All Lab Mean:		
Mean	1.00	1.82
SD	0.18	0.35
%CV	18.3%	19.0%
X+3SD	1.54	2.86
X- 3SD	0.45	0.78
N	10	10
All Median	1.02	1.83

	FT 211	FT 212
FT hCG Beckman Unicel or Access (BCU or BCX/BC1) mean:		
mean	88.03	137.97
SD	7.03	14.01
%CV	8.0%	10.2%
X+3SD	109.13	179.99
X-3SD	66.93	95.94
N	6	6
median	86.95	139.90
mean/All kit median	1.00	1.01

FT hCG DPC Immulite or 2000 (DPB or D/DP5) mean:		
mean	87.38	134.36
SD	10.33	20.46
%CV	11.8%	15.2%
X+3SD	118.37	195.73
X-3SD	56.39	72.99
N	5	5
median	86.40	137.00
mean/All kit median	1.00	0.99

FT hCG kit average:		
mean	87.71	136.16
SD	0.46	2.55
all kit median	87.71	136.16

New York State Fetal Defect Markers Proficiency Test,
 September 2007
 Summary of First Trimester Results

	FT 211	FT 212
FT PAPP-A All Lab Mean:		
Mean	2.52	1.51
SD	1.22	0.77
%CV	48.5%	50.9%
mean + 3SD	6.19	3.81
mean- 3SD	-1.15	-0.79
N	12	12
All Lab Median	2.05	1.25
mean/All kit median	0.86	0.86

FT PAPP-A Diagnostic System Labs (DS1) Mean:		
Mean	1.72	1.01
SD	0.35	0.27
%CV	20.3%	26.6%
X + 3SD	2.76	1.82
X - 3SD	0.67	0.20
N	8	8
Kit Median	1.68	1.00
mean/All kit median	0.59	0.58

FT PAPP-A MoM All Lab Mean:		
Mean	2.11	0.88
SD	1.67	0.62
%CV	79.0%	69.7%
mean + 3SD	7.12	2.73
mean- 3SD	-2.90	-0.96
N	10	10
All Lab Median	1.24	0.62

	FT 211	FT 212
FT PAPP-A DPC Immullite or 2000 (DPB or D/DP5) Mean:		
Mean	4.12	2.50
SD	0.26	0.18
%CV	6.3%	7.0%
X + 3SD	4.90	3.02
X - 3SD	3.35	1.97
N	4	4.00
Kit Median	4.05	2.50
mean/All kit median	1.41	1.42

FT PAPP-A kit average:	
mean	2.92
SD	0.30
all kit median	0.13

New York State Fetal Defect Markers Proficiency Test,
September 2007
Summary of Results

	MS211	MS212	MS213	MS214	MS215
Gestational Age All Lab Mean:					
Mean	20.0	18.0	19.0	15.0	17.0
SD	0.00	0.00	0.00	0.00	0.00
%CV	0.0%	0.0%	0.0%	0.0%	0.0%
X+3*SD	20.0	18.0	19.0	15.0	17.0
X-3*SD	20.0	18.0	19.0	15.0	17.0
N	30	30	30	30	30

MS AFP All Lab Mean:

mean	199.59	47.78	31.11	32.45	34.93
SD	16.36	3.15	3.26	2.60	3.01
%CV	8.2%	6.6%	10.5%	8.0%	8.6%
mean+3SD	248.66	57.22	40.88	40.24	43.96
mean-3SD	150.52	38.34	21.34	24.65	25.90
N	30	29	30	30	30
mean/all kit median	0.98	1.00	1.01	1.00	0.98

MS AFP Abbott (ABB/AB2) mean:

mean	215.65	47.63	31.73	32.95	37.15
SD	27.53	2.04	4.59	3.07	3.06
%CV	12.8%	4.3%	14.5%	9.3%	8.2%
mean+3SD	298.25	53.73	45.50	42.17	46.32
mean-3SD	133.05	41.52	17.95	23.73	27.98
N	4	4	4	4	4
median	212.35	47.75	31.95	31.70	36.35
mean/all kit median	1.06	1.00	1.03	1.02	1.04

MS AFP Beckman Unicel or Access (BCU or BCX/BC1) mean:

mean	194.48	47.62	30.09	31.76	34.32
SD	9.62	2.14	1.60	1.23	2.09
%CV	4.9%	4.5%	5.3%	3.9%	6.1%
mean+3SD	223.35	54.04	34.88	35.46	40.60
mean-3SD	165.61	41.20	25.30	28.06	28.04
N	10	10	10	10	10
median	194.80	47.05	30.05	32.20	34.40
mean/all kit median	0.95	1.00	0.97	0.98	0.96

	MS 211	MS 212	MS 213	MS 214	MS 215
MS AFP Bayer ADVIA-Centaur or ACS-180(COB or COS/BA1 or CO1) mean:					
mean	213.03	54.83	34.88	35.73	37.90
SD	6.23	3.77	3.80	2.17	1.83
%CV	2.9%	6.9%	10.9%	6.1%	4.8%
mean+3SD	231.71	66.12	46.27	42.23	43.39
mean-3SD	194.34	43.53	23.48	29.22	32.41
N	4	4	4	4	4
median	214.70	53.90	33.55	35.70	38.15
mean/all kit median	1.05	1.15	1.13	1.10	1.06

MS AFP DPC Immulite or 2000 (DPB or DPD/DP5) mean:

mean	193.09	46.25	29.85	31.25	33.04
SD	14.27	3.14	2.21	2.25	2.21
%CV	7.4%	6.8%	7.4%	7.2%	6.7%
mean+3SD	235.89	55.68	36.48	37.98	39.67
mean-3SD	150.30	36.83	23.23	24.51	26.41
N	11	11	11	11	11
median	190.00	45.00	30.70	31.00	32.40
mean/all kit median	0.95	0.97	0.97	0.97	0.92

MS AFP kit average:

mean	204.06	49.08	31.64	32.92	35.60
SD	11.93	3.88	2.31	2.00	2.30
all kit median	203.75	47.62	30.91	32.36	35.74

	MS 211	MS 212	MS 213	MS 214	MS 215
MS AFP MoMs All Lab Mean:					
mean	3.41	1.14	0.64	1.10	0.93
SD	0.28	0.12	0.06	0.11	0.07
%CV	8.2%	10.6%	9.1%	10.4%	7.3%
mean+3SD	4.25	1.51	0.81	1.44	1.13
mean-3SD	2.57	0.78	0.46	0.75	0.72
N	28	29	28	28	28

New York State Fetal Defect Markers Proficiency Test,
September 2007
Summary of Results

	MS 211	MS 212	MS 213	MS 214	MS 215
MS UE3 All Lab Mean:					
mean	2.51	1.68	0.90	0.88	1.01
SD	1.11	0.73	0.34	0.31	0.36
%CV	44.5%	43.6%	38.1%	34.9%	35.8%
mean+3SD	5.85	3.89	1.94	1.80	2.09
mean-3SD	-0.84	-0.52	-0.13	-0.04	-0.08
N	30	30	30	30	30
mean/all kit median	1.29	1.26	1.14	1.16	1.14

	MS 211	MS 212	MS 213	MS 214	MS 215
MS UE3 Diagnostic Systems Liquid (GAA/DS2) mean:					
Mean	1.94	1.34	0.79	0.76	0.88
SD	0.12	0.08	0.04	0.09	0.08
%CV	5.9%	6.1%	4.9%	12.0%	8.6%
mean+3SD	2.29	1.59	0.91	1.04	1.11
mean-3SD	1.60	1.10	0.67	0.49	0.66
N	6	6	6	6	6
median	1.99	1.36	0.80	0.73	0.87
mean/All Kit Median	1.00	1.00	1.00	1.00	1.00

	MS 211	MS 212	MS 213	MS 214	MS 215
MS UE3 MoMs All Lab Mean:					
mean	0.74	0.81	0.35	0.76	0.59
SD	0.21	0.22	0.11	0.24	0.19
%CV	28.4%	27.7%	32.8%	31.7%	31.4%
mean+3SD	1.36	1.48	0.69	1.48	1.15
mean-3SD	0.11	0.14	0.01	0.04	0.03
N	29	29	29	29	29

	MS 211	MS 212	MS 213	MS 214	MS 215
MS UE3 DPC Immulite, 2000 or 2500 (DPB, DPD or DPF/DP5) mean:					
mean	3.64	2.42	1.22	1.17	1.33
SD	0.37	0.37	0.23	0.14	0.22
%CV	10.2%	15.4%	18.6%	11.6%	16.6%
mean+3SD	4.75	3.54	1.90	1.58	2.00
mean-3SD	2.53	1.31	0.54	0.76	0.67
N	13	13	13	13	13
median	3.68	2.32	1.29	1.19	1.34
mean/all kit median	1.87	1.81	1.55	1.54	1.51

	MS 211	MS 212	MS 213	MS 214	MS 215
MS UE3 Beckman Unicel or Access (BCU or BCX/BC1) mean:					
mean	1.29	0.91	0.54	0.54	0.62
SD	0.14	0.09	0.08	0.07	0.06
%CV	10.7%	9.8%	13.9%	12.6%	9.1%
mean+3SD	1.70	1.17	0.76	0.75	0.79
mean-3SD	0.87	0.64	0.31	0.34	0.45
N	10	10	10	10	10
median	1.28	0.92	0.53	0.54	0.60
mean/all kit median	0.66	0.68	0.68	0.71	0.70

	MS 211	MS 212	MS 213	MS 214	MS 215
MS UE3 kit average:					
mean	2.29	1.56	0.85	0.83	0.94
SD	1.21	0.78	0.35	0.32	0.36
all kit median	1.94	1.34	0.79	0.76	0.88

New York State Fetal Defect Markers Proficiency Test,
September 2007
Summary of Results

	MS 211	MS 212	MS 213	MS 214	MS 215
MS hCG All Lab Mean:					
mean	21.35	24.55	40.75	37.39	38.89
SD	2.22	2.43	4.66	4.08	3.51
%CV	10.4%	9.9%	11.4%	10.9%	9.0%
mean+3SD	28.00	31.85	54.75	49.62	49.40
mean-3SD	14.71	17.25	26.76	25.15	28.37
N	28	28	28	28	27
mean/all kit median	1.00	0.99	1.00	1.01	1.01

	MS 211	MS 212	MS 213	MS 214	MS 215
MS hCG Bayer ADVIA-Centaur (COB/BA1) mean:					
mean	20.87	23.93	40.43	36.20	36.47
SD	0.25	0.96	0.32	0.17	1.27
%CV	1.2%	4.0%	0.8%	0.5%	3.5%
mean+3SD	21.62	26.82	41.40	36.72	40.27
mean-3SD	20.11	21.05	39.47	35.68	32.67
N	3	3	3	3	3
median	20.90	24.10	40.30	36.30	36.00
mean/all kit median	0.98	0.96	0.99	0.98	0.95

	MS 211	MS 212	MS 213	MS 214	MS 215
MS hCG Beckman Unicel or Access (BCU or BCX/BC1) mean:					
mean	21.94	25.04	41.61	38.69	39.71
SD	2.27	1.72	3.95	3.62	3.13
%CV	10.4%	6.9%	9.5%	9.4%	7.9%
mean+3SD	28.75	30.20	53.47	49.55	49.09
mean-3SD	15.13	19.88	29.75	27.83	30.33
N	10	10	10	10	10
median	21.00	25.05	41.70	39.05	39.60
mean/all kit median	1.03	1.01	1.02	1.04	1.04

	MS 211	MS 212	MS 213	MS 214	MS 215
MS hCG DPC Immulite or 2000 (DPB or D/DP5) mean:					
mean	21.39	24.88	40.86	37.07	38.35
SD	2.07	2.47	4.83	4.04	4.08
%CV	9.7%	9.9%	11.8%	10.9%	10.6%
mean+3SD	27.59	32.29	55.36	49.19	50.59
mean-3SD	15.19	17.47	26.37	24.95	26.12
N	11	11	11	11	11
median	21.40	24.30	41.20	38.20	38.10
mean/all kit median	1.00	1.00	1.00	1.00	1.00

	MS 211	MS 212	MS 213	MS 214	MS 215
MS hCG MoMs All Lab Mean:					
mean	1.20	1.22	2.21	0.80	1.58
SD	0.21	0.22	0.38	0.16	0.29
%CV	17.6%	17.7%	17.3%	19.6%	18.3%
mean+3SD	1.83	1.86	3.36	1.28	2.45
mean-3SD	0.57	0.57	1.07	0.33	0.72
N	28	28	28	28	28

	MS 211	MS 212	MS 213	MS 214	MS 215
MS hCG kit average:					
mean	21.40	24.62	40.97	37.32	38.18
SD	0.54	0.60	0.60	1.26	1.63
all kit median	21.39	24.88	40.86	37.07	38.35

New York State Fetal Defect Markers Proficiency Test,
September 2007
Summary of Results

	MS 211	MS 212	MS 213	MS 214	MS 215
MS Inhibin A all lab/DSL mean:					
Mean	241.81	144.73	405.82	127.23	229.11
SD	21.91	14.93	31.16	13.05	16.40
%CV	9.1%	10.3%	7.7%	10.3%	7.2%
mean + 3SD	307.52	189.52	499.30	166.38	278.32
mean- 3SD	176.09	99.94	312.34	88.07	179.89
N	27	26	27	26	26
All Lab Median	238.00	145.00	403.00	128.45	224.00
mean/all kit median	1.00	0.98	0.99	1.02	1.00

	MS 211	MS 212	MS 213	MS 214	MS 215
MS Inhibin A Beckman Unicel or Access (BCU or BCX/BC1) mean:					
Mean	243.28	154.36	423.88	125.66	233.31
SD	20.80	13.56	30.40	25.72	20.98
%CV	8.6%	8.8%	7.2%	20.5%	9.0%
X + 3SD	305.68	195.05	515.08	202.81	296.26
X - 3SD	180.88	113.67	332.68	48.51	170.35
N	7	7	7	7	7
median	230.10	156.40	439.25	129.00	226.95
mean/all kit median	1.00	1.04	1.03	1.00	1.02

	MS 211	MS 212	MS 213	MS 214	MS 215
MS Inhibin A Diagnostic System Labs (DS1) Mean:					
Mean	241.29	141.18	399.50	124.91	224.43
SD	22.78	14.10	29.58	13.47	20.05
%CV	9.4%	10.0%	7.4%	10.8%	8.9%
X + 3SD	309.63	183.49	488.23	165.32	284.57
X - 3SD	172.95	98.87	310.77	84.50	164.29
N	20	19	20	20	20
median	240.00	141.70	398.35	127.40	223.30
mean/all kit median	1.00	0.96	0.97	1.00	0.98

	MS 211	MS 212	MS 213	MS 214	MS 215
MS Inhibin A kit average:					
mean	241.29	141.18	399.50	124.91	224.43
SD	1.41	9.32	17.24	0.53	6.28
all kit median	242.28	147.77	411.69	125.29	228.87

	MS 211	MS 212	MS 213	MS 214	MS 215
MS Inhibin A MoM All Lab Mean:					
Mean	1.27	0.93	2.37	0.61	1.38
SD	0.20	0.14	0.29	0.11	0.19
%CV	15.6%	15.2%	12.1%	17.8%	13.7%
X + 3SD	1.86	1.36	3.23	0.93	1.95
X - 3SD	0.68	0.51	1.51	0.28	0.81
N	26	26	26	26	26

New York State Fetal Defect Markers Proficiency Test,
September 2007
Summary of Results

	AF 211	AF 212	AF 213	AF 214	AF 215		AF 211	AF 212	AF 213	AF 214	AF 215
AF AFP All Lab Mean :						AF AFP Beckman Unicel or Access (BCU or BCX/BC1) mean:					
mean	24.6	7.0	3.8	9.1	11.9	mean	20.9	6.0	3.5	8.2	10.3
SD	4.2	1.0	0.4	1.7	1.8	SD	2.0	0.5	0.1	0.7	1.2
%CV	17.1%	14.5%	10.6%	19.1%	14.9%	%CV	9.7%	8.1%	4.1%	8.9%	11.4%
mean+3SD	37.1	10.1	5.0	14.3	17.1	mean+3SD	26.9	7.4	3.9	10.4	13.8
mean-3SD	12.0	4.0	2.6	3.9	6.6	mean-3SD	14.8	4.5	3.0	6.0	6.7
N	28	28	27	28	28	N	9	9	9	9	9
mean/all kit median	0.98	0.95	0.97	1.01	0.96	median	20.7	6.1	3.5	8.1	10.6
						mean/all kit median	0.83	0.81	0.88	0.92	0.83

	AF 211	AF 212	AF 213	AF 214	AF 215
AF AFP Abbott Axsym (ABB/AB2 or AB1) mean:					
mean	30.2	7.8	4.0	9.7	13.8
SD	3.2	0.6	0.4	1.1	1.4
%CV	10.7%	7.4%	10.2%	11.1%	10.1%
mean+3SD	39.8	9.5	5.3	13.0	17.9
mean-3SD	20.5	6.0	2.8	6.5	9.6
N*	6	6	6	6	6
median	30.6	7.6	3.85	9.5	13.7
mean/all kit median	1.21	1.06	1.03	1.08	1.11

	AF 211	AF 212	AF 213	AF 214	AF 215
AF AFP Bayer ADVIA-Centaur or ACS-180 (COB or COS/BA1 or CO1)mean:					
mean	27.1	7.9	4.3	11.9	13.3
SD	1.9	0.7	0.3	0.2	0.4
%CV	7.1%	8.6%	7.8%	1.6%	3.4%
mean+3SD	32.9	10.0	5.2	12.4	14.6
mean-3SD	21.3	5.9	3.3	11.3	11.9
N	4	4	4	4	4
median	26.95	8.05	4.15	11.95	13.15
mean/all kit median	1.08	1.08	1.08	1.32	1.07

	AF 211	AF 212	AF 213	AF 214	AF 215
AF AFP kit average:					
mean	20.2	5.7	3.1	7.5	9.8
SD	11.9	3.3	1.8	4.5	5.6
all kit median	25.0	7.3	3.9	9.0	12.4

	AF 211	AF 212	AF 213	AF 214	AF 215
AF AFP DPC Immulite or 2000 (DPB or D/DP5) mean:					
mean	22.9	6.9	3.8	7.4	11.5
SD	1.7	0.8	0.3	0.6	1.1
%CV	7.3%	11.0%	8.4%	8.1%	9.4%
mean+3SD	27.9	9.2	4.8	9.2	14.8
mean-3SD	17.9	4.6	2.9	5.6	8.3
N	7	7	7	7	7
median	22.7	6.6	3.8	7.1	11.4
mean/all kit median	0.92	0.94	0.97	0.83	0.93

	AF 211	AF 212	AF 213	AF 214	AF 215
AF AFP MoMs All Lab Mean:					
mean	3.70	0.88	0.48	0.62	0.99
SD	0.51	0.12	0.06	0.11	0.12
%CV	13.8%	13.8%	12.0%	17.8%	12.7%
mean+3SD	5.23	1.24	0.65	0.95	1.36
mean-3SD	2.17	0.51	0.31	0.29	0.61
N	27	28	28	28	28