New York State Fetal Defect Markers Proficiency Test,
May 2013
Summary of First Trimester Results

	FT296	FT297	FT298	FT299	FT300
FT Gestational Age All Lab Mean:					
Mean	13.0	12.4	11.4	11.1	13.0
SD	0.05	0.09	0.10	0.12	0.06
%CV	0.4%	0.7%	0.8%	1.1%	0.5%
mean+3*SD	13.1	12.7	11.7	11.5	13.2
mean-3*SD	12.8	12.1	11.1	10.8	12.8
N	17	17	17	17	17

	FT296	FT297	FT298	FT299	FT300
FT NT MoM All Lab Mean:					
Mean	0.92	0.95	2.10	1.06	0.97
SD	0.05	0.06	0.11	0.06	0.06
%CV	6.0%	5.9%	5.3%	6.1%	6.1%
mean+3SD	1.08	1.12	2.43	1.25	1.14
mean- 3SD	0.75	0.78	1.77	0.87	0.79
N	16	16	16	16	16
All Median	0.92	0.96	2.07	1.05	0.97

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	FT296	FT297	FT298	FT299	FT300
FT hCG All Lab Mean:					
mean	67.1	72.9	161.5	88.7	63.1
SD	8.1	9.1	25.5	13.1	7.1
%CV	12.1%	12.4%	15.8%	14.8%	11.2%
mean+3SD	91.6	100.1	238.1	128.0	84.2
mean- 3SD	42.7	45.7	84.9	49.3	41.9
N	16	16	16	16	16
All lab median	68.9	72.7	161.1	89.2	62.3
mean/All kit median	0.99	0.98	0.97	0.98	1.01
FT hCG Beckman Unicel (BCU/BC1) mean:					
mean	67.9	74.3	166.0	90.9	62.5
SD	5.3	6.4	9.0	6.6	5.6
%CV	7.9%	8.5%	5.5%	7.2%	8.9%
mean+3SD	96.5	109.0	248.9	134.0	88.2
mean- 3SD	57.4	58.4	141.5	77.7	57.3
N	8	8	8	8	8
median	69.1	73.4	162.7	92.1	62.4
mean/All kit median	1.00	1.00	1.00	1.00	1.00
FT hCG Beckman Access (BCX/BC1) mean:					
mean	77.0	83.7	195.2	105.8	72.8
SD	6.5	8.4	17.9	9.4	5.2
%CV	8.5%	10.1%	9.2%	8.9%	7.1%
mean+3SD	96.5	109.0	248.9	134.0	88.2
mean- 3SD	57.4	58.4	141.5	77.7	57.3
N	3	3	3	3	3
median	76.5	80.5	188.2	102.1	70.9
mean/All kit median	1.13	1.13	1.18	1.16	1.16
FT hCG DPC Immulite 2000(DPD/DP5) mean:					
mean	60.1	64.2	134.2	74.8	58.0
SD	6.5	3.8	17.9	7.4	4.1
%CV	10.8%	5.9%	13.3%	9.8%	7.1%
mean+3SD	79.5	75.6	187.8	96.9	70.3
mean- 3SD	40.7	52.7	80.6	52.7	45.7
N	5	5	5	5	5
median	59.4	64.9	144.0	74.0	56.5
mean/All kit median	0.89	0.86	0.81	0.82	0.93
FT hCG kit average:					
mean	68.3	74.1	165.1	90.5	64.4
SD	8.4	9.8	30.5	15.5	7.5
all kit median	67.9	74.3	166.0	90.9	62.5

	FT296	FT297	FT298	FT299	FT300
FT hCG MoM All Lab Mean:					
Mean	0.93	1.04	2.04	1.02	1.01
SD	0.11	0.07	0.17	0.11	0.09
%CV	11.2%	6.6%	8.3%	11.1%	8.9%
mean+3*SD	1.25	1.24	2.55	1.36	1.28
mean - 3*SD	0.62	0.83	1.54	0.68	0.74
N	15	15	15	15	15
All lab Median	0.95	1.03	2.02	1.03	1.02
mean/All kit Median	1.00	1.00	1.01	0.96	0.99
MS hCG MoM Beckman Unicel (BCU/BC1) mean:					
mean	0.93	1.03	2.00	0.98	0.99
SD	0.10	0.09	0.18	0.11	0.08
%CV	10.4%	8.5%	8.8%	10.8%	8.1%
mean+3SD	1.22	1.30	2.53	1.30	1.23
mean-3SD	0.64	0.77	1.47	0.66	0.75
N	8	8	8	8	8
median	0.94	1.02	2.00	0.94	1.00
mean/All kit median	1.00	0.99	0.98	0.93	0.97
MS hCG MoM Beckman Access (BCX/BC1) mean:					
mean	0.99	1.05	2.25	1.08	1.03
N	2	2	2	2	2
median	0.99	1.05	2.25	1.08	1.03
mean/All kit median	1.06	1.00	1.11	1.02	1.00
MS hCG MoM DPC Immulite2000 (DPD/DP5) mean:					
mean	0.92	1.04	2.03	1.06	1.04
SD	0.14	0.03	0.14	0.14	0.11
%CV	15.6%	3.0%	7.0%	12.8%	10.6%
mean+3SD	1.35	1.13	2.46	1.47	1.37
mean-3SD	0.49	0.95	1.60	0.65	0.71
N	5	5	5	5	5
median	0.90	1.06	2.02	1.05	1.08
mean/All kit median	0.99	1.00	1.00	1.00	1.02
FT hCG MoM kit average:					
mean	0.9	1.0	2.1	1.0	1.0
SD	0.0	0.0	0.1	0.1	0.0
all kit median	0.9	1.0	2.0	1.1	1.0

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	FT296	FT297	FT298	FT299	FT300
FT PAPP-A All Lab Mean:					
Mean	2955.6	2438.1	1077.1	1879.8	2890.0
SD	1912.8	1770.0	793.5	1211.0	1848.3
%CV	64.7%	72.6%	73.7%	64.4%	64.0%
mean + 3SD	8693.9	7747.9	3457.6	5512.8	8435.0
mean- 3SD	-2782.7	-2871.8	-1303.5	-1753.2	-2654.9
N	16	16	16	16	16
All Lab Median	2048.1	1753.6	685.2	1341.0	2029.9
mean/All kit median	1.43	1.39	1.58	1.41	1.42
FT PAPP-A Beckman Unicel(BCU/BC1) Mean:					
Mean	2066.3	1758.5	683.3	1333.5	2033.4
SD	112.4	87.3	32.8	83.9	94.4
%CV	5.4%	5.0%	4.8%	6.3%	4.6%
mean + 3SD	2403.6	2020.4	781.8	1585.2	2316.6
mean - 3SD	1729.0	1496.5	584.8	1081.7	1750.3
N	9	9	9	9	9
Kit Median	2039.5	1730.0	684.4	1339.9	2014.2
mean/All kit median	1.00	1.00	1.00	1.00	1.00
***FT PAPP-A DPC Immullite 2000 (DPD/DP5) Mean:**					
Mean	6114.5	5288.9	2397.0	3854.6	5945.1
SD	354.9	551.4	128.0	468.7	346.4
%CV	5.8%	10.4%	5.3%	12.2%	5.8%
mean + 3SD	7179.1	6943.0	2781.0	5260.7	6984.2
mean - 3SD	5049.9	3634.7	2013.1	2448.5	4906.1
N	4	4	4	4	4
Kit Median	6103.9	5278.3	2371.6	3832.4	5976.9
mean/All kit median	2.96	3.01	3.51	2.89	2.92

***Note: The above table contains converted values (mIU/ml->ng/ml) from equation obtained based on in house correlation data.**
(see critique)

	FT296	FT297	FT298	FT299	FT300
FT PAPP-A AnshLite (MPR or APM/AN1) Mean:					
Mean	1411.8	1194.7	498.3	885.8	1386.4
SD	330.6	207.9	93.9	128.2	216.0
%CV	0.2	0.2	0.2	0.1	0.2
mean + 3SD	2403.7	1818.4	780.1	1270.5	2034.5
mean - 3SD	419.9	571.1	216.6	501.1	738.3
N	3	3	3	3	3
Kit Median	1346.0	1207.0	548.0	883.0	1409.0
mean/All kit median	0.68	0.68	0.73	0.66	0.68
FT PAPP-A kit average:					
mean	3197.5	2747.4	1192.9	2024.6	3121.7
SD	2547.3	2219.0	1046.9	1600.5	2466.5
all kit median	2066.3	1758.5	683.3	1333.5	2033.4

	FT296	FT297	FT298	FT299	FT300
FT PAPP-A MoM All Lab Mean:					
Mean	1.83	2.49	1.56	2.71	2.49
SD	1.10	1.23	0.91	1.35	1.22
%CV	60.0%	49.3%	58.6%	49.8%	49.0%
mean + 3SD	5.14	6.18	4.30	6.76	6.14
mean- 3SD	-1.47	-1.20	-1.18	-1.34	-1.17
N	16	16	16	16	16
All Lab Median	1.60	2.17	1.20	2.27	1.99
mean/ All kit median	1.11	0.58	0.51	1.18	0.95
FT PAPP-A MoM Beckman Unicel(BCU/BC1) Mean:					
Mean	1.51	2.08	1.19	2.29	2.06
SD	0.23	0.22	0.11	0.30	0.27
%CV	15.0%	10.6%	9.5%	13.3%	12.9%
mean + 3SD	2.19	2.74	1.54	3.20	2.86
mean - 3SD	0.83	1.42	0.85	1.38	1.27
N	9	9	9	9	9
Kit Median	1.56	2.13	1.18	2.16	1.96
mean/All kit median	0.91	0.49	0.39	1.00	0.79
FT PAPP-A MoM DPC Immulite 2000 (DPD/DP5) Mean:					
Mean	3.48	4.43	3.03	4.78	4.38
SD	0.74	0.38	0.28	0.57	0.53
%CV	21.3%	8.6%	9.2%	11.9%	12.1%
mean + 3SD	5.70	5.57	3.87	6.49	5.97
mean - 3SD	1.25	3.28	2.20	3.07	2.79
N	4	4	4	4	4
Kit Median	3.735	4.34	3.07	4.79	4.375
mean/All kit median	2.09	1.04	1.00	2.09	1.68
FT PAPP-A MoM (MPR or APM/AN1) Mean:					
Mean	1.66	4.27	4.03	2.02	2.61
N	2	2	2	2	2
Kit Median	1.66	4.27	4.03	2.02	2.61
mean/ All kit median	1.00	1.00	1.33	0.88	1.00
FT PAPP-A MoM kit average:					
mean	2.21	3.59	2.75	3.03	3.02
SD	1.09	1.31	1.44	1.52	1.21
all kit median	1.66	4.27	3.03	2.29	2.61