AMERICAN ASSOCIATION OF BIOANALYSTS
205 West Levee St. Brownsville, TX 78520
(281) 436-5357 - (800) 234-5315 - Fax (713) 781-5008

PARTICIPANT STATISTICS

COMPREHENSIVE CHEMISTRY

Chemistry Q1 2010

		Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				
Name	Line No.	Range & Type		Mean	SD	Range & Type		Mean	SD	Range & Type		Mean	SD	Range & Type		Mean	SD	Range & Type		Mean	SD	No. Labs
Magnesium mg/dL																						
Initial Grouping by Reagent and Instrument																						
Abbott Arsenazo & Abbott Architect c, ci, i	1	0.9-1.6	P	1.26	0.1	3.0-5.0	P	4.02	0.1	2.2-3.8	P	3.00	0.1	1.9-3.1	P	2.48	0.1	3.2-5.4	P	4.33	0.1	10
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	0.9-1.5	P	1.19	0.2	2.8-4.6	P	3.72	0.3	2.0-3.4	P	2.70	0.2	1.7-2.9	P	2.32	0.2	3.1-5.2	P	4.12	0.3	22
Beckman & Beckman Synchron CX3/7/9/L	3	1.0-1.7	P	1.37	0.1	3.2-5.3	P	4.24	0.1	2.4-3.9	P	3.15	0.1	2.0-3.3	P	2.63	0.1	3.5-5.8	P	4.61	0.2	24
Beckman & Beckman Unicel DXC series	4	1.0-1.7	P	1.34	0.1	3.1-5.2	P	4.16	0.1	2.3-3.9	P	3.11	0.1	1.9-3.2	P	2.59	0.1	3.4-5.6	P	4.51	0.1	56
Carolina & Beckman Synchron CX3/7/9/L	5	1.0-1.7	P	1.37	0.1	2.8-4.7	P	3.76	0.3	2.3-3.8	P	3.01	0.2	1.8-3.1	P	2.46	0.2	3.0-5.0	P	4.01	0.4	18
J&J Vitros & J&J Vitros not DT or ECi	6	0.9-1.6	P	1.24	0.1	3.3-5.5	P	4.40	0.1	2.3-3.8	P	3.01	0.1	2.0-3.3	P	2.61	0.1	3.6-6.0	P	4.84	0.2	51
J&J Vitros & J&J Vitros 5,1 FS	7	0.9-1.5	P	1.22	0.1	3.2-5.4	P	4.30	0.1	2.2-3.7	P	2.97	0.1	1.9-3.2	P	2.57	0.1	3.6-6.0	P	4.79	0.1	18
Beckman Olymp Xylidyl Blue & Beck Oly AU 400/600/5400	8	1.0-1.6	P	1.28	0.1	3.1-5.1	P	4.08	0.1	2.2-3.7	P	2.93	0.1	1.9-3.1	P	2.49	0.1	3.3-5.6	P	4.47	0.2	26
Roche Cobas & Roche Cobas Integra	9	1.0-1.7	P	1.32	0.1	3.0-5.0	P	4.04	0.1	2.2-3.6	P	2.92	0.1	1.9-3.2	P	2.52	0.1	3.3-5.5	P	4.42	0.1	15
Siemens & Siemens Advia series	10	1.1-1.9	P	1.52	0.1	3.0-5.0	P	4.01	0.2	2.2-3.7	P	2.95	0.1	1.9-3.2	P	2.58	0.1	3.3-5.5	P	4.38	0.2	13
Siemens Dimension & Siemens Dimension series	11	0.8-1.4	P	1.11	0.1	3.1-5.1	P	4.08	0.1	2.2-3.6	P	2.89	0.1	1.8-3.0	P	2.40	0.1	3.4-5.6	P	4.49	0.1	59
Siemens Dimension & Siemens Dimension EXL	12	0.8-1.4	P	1.09	0.1	3.1-5.1	P	4.07	0.1	2.2-3.6	P	2.87	0.1	1.8-3.0	P	2.39	0.1	3.3-5.6	P	4.45	0.1	15
Siemens Dimension & Siemens Dimension Rxl	13	0.8-1.4	P	1.11	0.1	3.1-5.1	P	4.07	0.1	2.2-3.6	P	2.89	0.1	1.8-3.0	P	2.41	0.1	3.4-5.6	P	4.48	0.1	14
Siemens Dimension & Siemens Dimension Xpand	14	0.8-1.4	P	1.12	0.1	3.1-5.1	P	4.10	0.1	2.2-3.6	P	2.89	0.1	1.8-3.0	P	2.42	0.1	3.4-5.6	P	4.49	0.1	75
Initial Grouping by Reagent																						
Abbott Arsenazo	15	0.9-1.6	P	1.26	0.1	3.0-5.0	P	4.02	0.1	2.2-3.8	P	3.00	0.1	1.9-3.1	P	2.48	0.1	3.2-5.4	P	4.33	0.1	10
Alfa Wassermann	16	0.9-1.5	P	1.19	0.2	2.8-4.6	P	3.72	0.3	2.1-3.4	P	2.75	0.3	1.8-3.0	P	2.37	0.3	3.1-5.2	P	4.20	0.4	22
Beckman	17	1.0-1.7	P	1.36	0.1	3.1-5.2	P	4.18	0.1	2.3-3.9	P	3.13	0.1	2.0-3.3	P	2.61	0.1	3.4-5.7	P	4.54	0.2	95
Carolina	18	1.0-1.7	P	1.36	0.1	2.8-4.7	P	3.76	0.4	2.3-3.8	P	3.02	0.2	1.8-3.0	P	2.44	0.2	3.0-5.0	P	4.03	0.4	26
DCL/Genzyme	19	0.9-1.5	P	1.19	0.2	2.7-4.5	P	3.63	0.4	2.0-3.4	P	2.72	0.3	1.8-2.9	P	2.34	0.2	3.0-5.0	P	3.99	0.4	19
J&J Vitros	20	0.9-1.5	P	1.24	0.1	3.3-5.5	P	4.38	0.1	2.2-3.8	P	3.00	0.1	2.0-3.3	P	2.62	0.3	3.6-6.0	P	4.82	0.1	74
Beckman Olymp Xylidyl Blue	21	1.0-1.6	P	1.27	0.1	3.1-5.1	P	4.08	0.1	2.2-3.7	P	2.93	0.1	1.9-3.1	P	2.49	0.1	3.4-5.6	P	4.47	0.2	31
Roche Cobas	22	1.0-1.7	P	1.34	0.1	3.0-5.0	P	4.02	0.1	2.2-3.7	P	2.92	0.1	1.9-3.2	P	2.52	0.1	3.3-5.5	P	4.40	0.1	28
Roche/Hitachi Xylidyl Blue	23	1.0-1.7	P	1.32	0.1	3.1-5.2	P	4.15	0.2	2.3-3.8	P	3.04	0.1	1.9-3.2	P	2.59	0.1	3.4-5.6	P	4.49	0.2	10
Siemens	24	1.1-1.9	P	1.49	0.2	3.0-5.0	P	4.01	0.2	2.2-3.7	P	2.94	0.1	1.9-3.2	P	2.57	0.1	3.3-5.5	P	4.39	0.2	14
Siemens Dimension	25	0.8-1.4	P	1.11	0.1	3.0-5.1	P	4.06	0.3	2.2-3.6	P	2.89	0.1	1.8-3.0	P	2.41	0.1	3.3-5.6	P	4.46	0.4	163
Initial Grouping by Sensitivity or Principle																						
Arsenazo	26	1.0-1.7	P	1.32	0.1	2.9-4.9	P	3.88	0.4	2.2-3.7	P	2.99	0.2	1.9-3.1	P	2.49	0.3	3.1-5.2	P	4.14	0.4	38
Calmagite-based	27	1.0-1.7	P	1.35	0.1	3.1-5.2	P	4.16	0.2	2.3-3.9	P	3.11	0.1	1.9-3.2	P	2.59	0.1	3.4-5.7	P	4.52	0.2	102
Magon (Xylidyl Blue)-based	28	1.0-1.6	P	1.28	0.2	2.9-4.9	P	3.92	0.3	2.2-3.6	P	2.88	0.2	1.8-3.1	P	2.46	0.2	3.2-5.4	P	4.32	0.3	121
MTB (methylthymol blue)	29	0.8-1.4	P	1.11	0.1	3.0-5.1	P	4.06	0.3	2.2-3.6	P	2.89	0.1	1.8-3.0	P	2.41	0.1	3.3-5.6	P	4.46	0.4	163
All other methods	30	0.9-1.6	P	1.26	0.1	3.2-5.4	P	4.28	0.2	2.2-3.7	P	2.98	0.1	1.9-3.2	P	2.60	0.2	3.5-5.9	P	4.71	0.2	103
Total Population																						
Whole Population	31	0.9-1.5	P	1.24	0.1	3.1-5.1	P	4.08	0.3	2.2-3.7	P	2.95	0.2	1.9-3.1	P	2.49	0.2	3.3-5.6	P	4.46	0.3	541