AMERICAN ASSOCIATION OF BIOANALYSTS
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PARTICIPANT STATISTICS

BASIC 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
Calcium																						
Initial Grouping by Reagent and Instrument																						
Abaxis Piccolo & Abaxis Piccolo POC analyzer	1	13.7-15.7	C	14.71	0.3	7.6-9.6	C	8.62	0.1	5.8-7.8	C	6.81	0.1	10.3-12.3	C	11.34	0.2	8.2-10.2	C	9.16	0.3	11
Abbott Arsenazo III & Abbott Architect c, ci, i	2	13.6-15.6	C	14.55	0.3	7.6-9.6	C	8.57	0.1	5.9-7.9	C	6.89	0.1	10.3-12.3	C	11.30	0.2	8.2-10.2	C	9.17	0.2	15
Alfa Wassermann Arsenazo & Alfa Wasser ACE/Centr/Alera	3	12.6-14.6	C	13.59	0.5	7.3-9.3	C	8.33	0.3	5.7-7.7	C	6.69	0.2	9.9-11.9	C	10.89	0.3	8.0-10.0	C	9.03	0.3	77
Beckman Arsenazo & Beckman Synchron CX4/CX5	4	13.1-15.1	C	14.12	0.3	7.6-9.6	C	8.58	0.4	5.9-7.9	C	6.94	0.3	10.1-12.1	C	11.06	0.3	8.2-10.2	C	9.16	0.2	14
Beckman Arsenazo & Beckman Synchron CX3/7/9/L	5	13.0-15.0	C	14.00	0.5	7.4-9.4	C	8.45	0.2	5.7-7.7	C	6.74	0.3	10.0-12.0	C	11.00	0.2	8.1-10.1	C	9.12	0.3	18
Beckman Arsenazo & Beckman Unicel DXC series	6	13.1-15.1	C	14.08	0.2	7.5-9.5	C	8.54	0.2	5.6-7.6	C	6.60	0.1	10.0-12.0	C	11.02	0.1	8.2-10.2	C	9.15	0.1	11
Beckman ISE & Beckman Synchron CX3/7/9/L	7	13.0-15.0	C	13.99	0.2	7.5-9.5	C	8.51	0.1	5.6-7.6	C	6.61	0.2	9.9-11.9	C	10.89	0.1	8.1-10.1	C	9.12	0.2	18
Beckman ISE & Beckman Unicel DXC series	8	13.0-15.0	C	13.96	0.2	7.5-9.5	C	8.46	0.1	5.6-7.6	C	6.56	0.1	10.0-12.0	C	10.99	0.2	8.1-10.1	C	9.10	0.2	54
Carolina Arsenazo III & Beckman Synchron CX3/7/9/L	9	13.0-15.0	C	13.97	0.5	7.6-9.6	C	8.64	0.3	6.0-8.0	C	6.97	0.3	10.2-12.2	C	11.19	0.3	8.1-10.1	C	9.12	0.3	21
Clinical Data OCPC & Vital Diagnostics ATAC 8000	10	13.0-15.0	C	14.03	0.6	7.6-9.6	C	8.59	0.3	5.3-7.3	C	6.33	0.3	10.1-12.1	C	11.14	0.4	8.4-10.4	C	9.38	0.4	21
Clinical Data Envoy & Vital Diagnostics Envoy 500	11	13.2-15.2	C	14.23	0.6	7.6-9.6	C	8.58	0.3	5.8-7.8	C	6.78	0.2	10.2-12.2	C	11.19	0.4	8.2-10.2	C	9.22	0.4	12
DCL/Genzyme #140 Arsen III & Roche Cobas Mira series	12	12.4-14.4	C	13.44	0.8	7.4-9.4	C	8.36	0.3	6.2-8.2	C	7.24	0.4	10.0-12.0	C	11.02	0.4	8.0-10.0	C	9.01	0.3	10
Horiba ABX & Horiba ABX Pentra 400	13	14.5-16.5	C	15.53	0.4	7.6-9.6	C	8.58	0.2	5.5-7.5	C	6.54	0.2	10.6-12.6	C	11.61	0.3	8.3-10.3	C	9.26	0.3	13
J&J Vitros Arsenazo & J&J Vitros not DT or ECi	14	13.6-15.6	C	14.59	0.6	7.4-9.4	C	8.37	0.2	5.5-7.5	C	6.48	0.2	10.3-12.3	C	11.29	0.2	8.0-10.0	C	9.04	0.2	84
J&J Vitros Arsenazo & J&J Vitros 5,1 FS	15	13.2-15.2	C	14.22	0.3	7.3-9.3	C	8.33	0.1	5.5-7.5	C	6.49	0.1	10.2-12.2	C	11.23	0.2	8.0-10.0	C	8.98	0.2	19
Beckman Olympus OCPC-based & Beck Oly AU 400/600/5400	16	13.2-15.2	C	14.16	0.4	7.4-9.4	C	8.43	0.2	5.7-7.7	C	6.68	0.1	10.0-12.0	C	10.96	0.2	8.0-10.0	C	9.03	0.2	11
Beckman Olympus Arsenazo & Beck Oly AU 400/600/5400	17	12.9-14.9	C	13.88	0.4	7.4-9.4	C	8.43	0.2	5.7-7.7	C	6.70	0.2	9.9-11.9	C	10.88	0.2	8.0-10.0	C	9.00	0.2	34
Roche Cobas OCPC & Roche Cobas Integra	18	13.9-15.9	C	14.91	0.4	7.5-9.5	C	8.48	0.3	5.3-7.3	C	6.31	0.2	10.2-12.2	C	11.24	0.3	8.3-10.3	C	9.26	0.3	24
SDI Biomed & SDI CA240, 480	19	13.5-15.5	C	14.48	0.6	7.3-9.3	C	8.25	0.3	5.6-7.6	C	6.65	0.2	10.2-12.2	C	11.18	0.3	7.9-9.9	C	8.92	0.4	13
Siemens OCPC & Siemens Dimension series	20	13.1-15.1	C	14.11	0.4	7.4-9.4	C	8.36	0.2	5.5-7.5	C	6.46	0.2	9.9-11.9	C	10.90	0.2	8.0-10.0	C	9.03	0.2	93
Siemens OCPC & Siemens Dimension EXL	21	13.0-15.0	C	14.04	0.3	7.3-9.3	C	8.33	0.2	5.5-7.5	C	6.49	0.2	9.9-11.9	C	10.86	0.2	8.0-10.0	C	9.00	0.2	14
Siemens OCPC & Siemens Dimension Rxl	22	13.2-15.2	C	14.16	0.3	7.4-9.4	C	8.41	0.2	5.5-7.5	C	6.47	0.2	9.9-11.9	C	10.87	0.3	8.1-10.1	C	9.06	0.2	19
Siemens OCPC & Siemens Dimension Xpand	23	13.1-15.1	C	14.11	0.3	7.3-9.3	C	8.35	0.2	5.5-7.5	C	6.46	0.2	9.9-11.9	C	10.86	0.2	8.0-10.0	C	9.00	0.2	85
Initial Grouping by Reagent																						
Abaxis Piccolo	24	13.7-15.7	C	14.71	0.3	7.6-9.6	C	8.62	0.1	5.8-7.8	C	6.81	0.1	10.3-12.3	C	11.34	0.2	8.2-10.2	C	9.16	0.3	11
Abbott Arsenazo III	25	13.6-15.6	C	14.60	0.3	7.6-9.6	C	8.58	0.1	5.9-7.9	C	6.91	0.1	10.3-12.3	C	11.31	0.2	8.2-10.2	C	9.18	0.2	18
Alfa Wassermann Arsenazo	26	12.6-14.6	C	13.59	0.5	7.3-9.3	C	8.35	0.3	5.7-7.7	C	6.69	0.2	9.9-11.9	C	10.87	0.4	8.0-10.0	C	9.04	0.3	77
Beckman Arsenazo	27	13.1-15.1	C	14.07	0.4	7.5-9.5	C	8.52	0.3	5.8-7.8	C	6.76	0.3	10.0-12.0	C	11.03	0.2	8.1-10.1	C	9.13	0.2	47
Beckman ISE	28	12.8-14.8	C	13.80	1.4	7.5-9.5	C	8.47	0.2	5.6-7.6	C	6.58	0.2	9.9-11.9	C	10.93	0.3	8.1-10.1	C	9.12	0.3	88
Carolina Arsenazo III	29	12.9-14.9	C	13.94	0.5	7.6-9.6	C	8.61	0.3	6.0-8.0	C	6.97	0.3	10.1-12.1	C	11.14	0.3	8.1-10.1	C	9.10	0.3	29
Clinical Data OCPC	30	13.0-15.0	C	14.03	0.6	7.6-9.6	C	8.59	0.3	5.3-7.3	C	6.33	0.3	10.1-12.1	C	11.14	0.4	8.4-10.4	C	9.38	0.4	21
Clinical Data Envoy	31	13.3-15.3	C	14.25	0.6	7.6-9.6	C	8.55	0.3	5.8-7.8	C	6.81	0.3	10.2-12.2	C	11.19	0.4	8.2-10.2	C	9.17	0.4	15
DCL/Genzyme #140 Arsen III	32	13.0-15.0	C	13.98	0.8	7.5-9.5	C	8.55	0.3	6.0-8.0	C	7.01	0.3	10.2-12.2	C	11.19	0.4	8.2-10.2	C	9.18	0.3	26
Horiba ABX	33	14.5-16.5	C	15.53	0.4	7.6-9.6	C	8.58	0.2	5.5-7.5	C	6.54	0.2	10.6-12.6	C	11.61	0.3	8.3-10.3	C	9.26	0.3	13
J&J Vitros Arsenazo	34	13.5-15.5	C	14.50	0.7	7.4-9.4	C	8.37	0.2	5.5-7.5	C	6.48	0.2	10.3-12.3	C	11.28	0.2	8.0-10.0	C	9.03	0.2	108
Beckman Olympus OCPC-based	35	13.1-15.1	C	14.12	0.4	7.4-9.4	C	8.43	0.2	5.7-7.7	C	6.70	0.2	10.0-12.0	C	10.96	0.2	8.0-10.0	C	9.04	0.2	12
Beckman Olympus Arsenazo	36	12.9-14.9	C	13.95	0.6	7.4-9.4	C	8.42	0.2	5.7-7.7	C	6.69	0.2	9.9-11.9	C	10.90	0.3	8.0-10.0	C	8.99	0.2	37
Pointe Sci OCPC	37	12.9-14.9	C	13.91	0.8	7.6-9.6	C	8.61	0.3	5.9-7.9	C	6.95	0.8	10.0-12.0	C	11.05	0.5	8.3-10.3	C	9.31	0.5	15
Roche Cobas OCPC	38	13.9-15.9	C	14.94	0.4	7.5-9.5	C	8.52	0.2	5.4-7.4	C	6.36	0.2	10.3-12.3	C	11.34	0.3	8.3-10.3	C	9.31	0.3	40
Roche/Hitachi OCPC	39	13.4-15.4	C	14.39	0.4	7.6-9.6	C	8.55	0.2	5.6-7.6	C	6.60	0.2	10.2-12.2	C	11.20	0.2	8.2-10.2	C	9.18	0.2	20
SDI Biomed	40	13.5-15.5	C	14.48	0.6	7.3-9.3	C	8.25	0.3	5.6-7.6	C	6.65	0.2	10.2-12.2	C	11.18	0.3	7.9-9.9	C	8.92	0.4	13
Siemens arsenazo	41	13.6-15.6	C	14.58	0.8	7.5-9.5	C	8.50	0.4	5.9-7.9	C	6.87	0.2	10.1-12.1	C	11.09	0.4	8.1-10.1	C	9.13	0.2	12
Siemens OCPC	42	13.1-15.1	C	14.11	0.3	7.4-9.4	C	8.36	0.2	5.5-7.5	C	6.48	0.2	9.9-11.9	C	10.88	0.2	8.0-10.0	C	9.02	0.2	217

		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
Initial Grouping by Sensitivity or Principle																						
All estimated total Ca's	43	13.7-15.7	C	14.71	0.3	7.6-9.6	C	8.62	0.1	5.8-7.8	C	6.81	0.1	10.3-12.3	C	11.34	0.2	8.2-10.2	C	9.16	0.3	11
Arsenazo-based	44	13.1-15.1	C	14.14	0.8	7.5-9.5	C	8.46	0.3	5.7-7.7	C	6.70	0.4	10.1-12.1	C	11.12	0.4	8.1-10.1	C	9.09	0.3	438
OCPC (o-cresolphth complex)	45	13.2-15.2	C	14.20	0.5	7.4-9.4	C	8.43	0.3	5.5-7.5	C	6.50	0.3	10.0-12.0	C	10.98	0.3	8.1-10.1	C	9.11	0.3	339
Other, electrochemical	46	12.8-14.8	C	13.83	1.3	7.4-9.4	C	8.44	0.3	5.6-7.6	C	6.57	0.2	9.9-11.9	C	10.92	0.3	8.1-10.1	C	9.09	0.3	97
Total Population																						
Whole Population	47	13.2-15.2	C	14.16	0.6	7.5-9.5	C	8.45	0.3	5.6-7.6	C	6.61	0.3	10.1-12.1	C	11.05	0.4	8.1-10.1	C	9.10	0.3	912