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
Bicarbonate (Total CO2)																						
Initial Grouping by Reagent and Instrument																						
Carolina, liquid & Beckman Synchron CX3/7/9/L	1	11-19	C	14.9	2	23-34	P	28.4	3	24-36	P	30.3	4	18-27	P	22.2	3	22-33	P	27.2	3	16
Abaxis Piccolo & Abaxis Piccolo POC analyzer	2	10-18	C	14.2	0	23-34	P	28.6	1	24-36	P	30.2	0	18-27	P	22.6	1	23-34	P	28.3	1	10
Alfa Wassermann UV/bic & Alfa Wasser ACE/Centr/Alera	3	9-17	C	13.0	2	21-32	P	26.3	3	23-34	P	28.4	3	16-24	P	20.1	3	20-31	P	25.5	3	69
Beckman dil ISE & Beckman Synchron CX4/CX5	4	11-19	C	15.4	2	22-33	P	27.6	1	24-36	P	29.8	2	18-26	P	22.0	1	22-33	P	27.1	1	20
Beckman dil ISE & Beckman Synchron CX3/7/9/L	5	11-19	C	15.0	1	22-34	P	28.0	2	24-36	P	30.0	2	18-27	P	22.3	2	22-33	P	27.6	2	41
Beckman dil ISE & Beckman Unicel DXC series	6	11-19	C	14.5	1	23-34	P	28.6	1	25-37	P	31.1	2	18-27	P	22.2	2	22-33	P	27.8	1	63
Clin Data ATAC 8000 dil ISE & Vital Diagnostics ATAC 8000	7	10-18	C	14.3	2	22-33	P	27.5	3	26-39	P	32.8	4	18-26	P	21.9	3	21-31	P	25.8	3	22
Clinical Data Envoy ISE & Vital Diagnostics Envoy 500	8	11-19	C	15.2	2	23-35	P	29.2	2	28-42	P	34.6	5	17-26	P	21.4	2	21-31	P	25.8	2	10
DCL/Genzyme/Equal UV/unc & Roche Cobas Mira series	9	9-17	C	13.0	2	21-31	P	25.9	3	22-34	P	28.1	3	16-24	C	19.8	2	21-31	P	26.1	3	10
Horiba ABX & Horiba ABX Pentra 400	10	11-19	C	15.0	1	23-34	P	28.5	2	24-36	P	30.3	3	18-27	P	22.4	1	22-33	P	27.8	2	11
J&J Vitros ISE & J&J Vitros not DT or ECi	11	10-18	C	14.4	2	21-32	P	26.3	2	22-33	P	27.2	1	16-25	P	20.5	2	20-30	P	24.7	2	10
J&J Vitros UV/unc & J&J Vitros not DT or ECi	12	11-19	C	14.6	1	21-32	P	26.8	1	23-34	P	28.6	2	16-25	P	20.6	1	20-30	P	24.9	1	72
J&J Vitros UV/unc & J&J Vitros 5,1 FS	13	11-19	C	14.8	1	21-32	P	26.8	1	23-35	P	29.1	2	17-25	P	21.1	1	21-31	P	25.7	1	17
Beckman Olympus UV/bic & Beck Oly AU 400/600/5400	14	10-18	C	13.6	2	22-33	P	27.5	3	24-36	P	29.8	3	17-25	P	20.8	2	21-32	P	26.7	2	45
Roche Cobas UV/rate & Roche Cobas Integra	15	10-18	C	14.1	1	22-33	P	27.9	2	24-36	P	30.0	1	16-25	P	20.5	2	21-32	P	26.3	2	10
Roche/Hitachi/Integra liq & Roche Cobas Integra	16	10-18	C	14.2	1	22-33	P	27.5	1	23-35	P	29.1	2	16-25	P	20.6	3	20-31	P	25.6	2	14
SDI Biomed & SDI CA240, 480	17	10-18	C	14.2	1	21-31	P	26.2	2	22-34	P	27.9	2	15-23	C	19.4	1	20-30	P	25.2	2	13
Siemens ECO2 & Siemens Dimension series	18	12-20	C	15.7	1	24-37	P	30.4	2	26-40	P	33.0	2	19-28	P	23.3	1	23-35	P	29.0	1	66
Siemens ECO2 & Siemens Dimension EXL	19	12-20	C	15.9	2	24-37	P	30.4	2	26-39	P	32.1	3	19-28	P	23.5	1	23-34	P	28.2	3	15
Siemens ECO2 & Siemens Dimension Rxl	20	12-20	C	15.9	1	24-37	P	30.6	1	26-39	P	32.9	2	19-29	P	24.1	1	24-36	P	29.6	1	17
Siemens ECO2 & Siemens Dimension Xpand	21	12-20	C	15.7	1	24-37	P	30.5	1	27-40	P	33.4	2	19-28	P	23.6	1	23-35	P	29.3	1	75
Siemens tCO2 & Siemens Dimension series	22	11-19	C	15.4	2	24-36	P	29.8	2	26-39	P	32.7	2	18-28	P	23.0	2	23-34	P	28.6	2	27
Initial Grouping by Reagent																						
Carolina, liquid	23	11-19	C	15.1	2	22-34	P	28.1	2	24-36	P	30.2	3	18-27	P	22.1	3	22-32	P	27.0	3	25
Abaxis Piccolo	24	10-18	C	14.2	0	23-34	P	28.6	1	24-36	P	30.2	0	18-27	P	22.6	1	23-34	P	28.3	1	10
Abbott Architect	25	8-16	C	12.1	1	20-30	P	25.2	3	23-34	P	28.2	2	15-23	C	18.8	2	20-30	P	24.7	2	12
Alfa Wassermann UV/bic	26	10-18	C	14.3	10	21-32	P	26.3	3	23-34	P	28.4	3	16-24	P	20.3	3	20-31	P	25.5	3	69
Beckman dil ISE	27	11-19	C	14.9	2	23-34	P	28.2	2	24-37	P	30.4	2	18-27	P	22.1	2	22-33	P	27.4	2	133
Clin Data ATAC 8000 dil ISE	28	10-18	C	14.3	2	22-33	P	27.5	3	26-39	P	32.8	4	18-26	P	21.9	3	21-31	P	25.8	3	22
Clinical Data Envoy ISE	29	11-19	C	15.1	2	23-34	P	28.4	3	27-41	P	34.2	4	17-26	P	21.5	2	21-31	P	25.7	2	12
Clinqa/RAI/King Diag UV/unc	30	9-17	C	13.2	3	22-33	P	27.5	4	23-35	P	29.2	5	16-24	P	20.2	3	21-32	P	26.6	3	10
DCL/Genzyme/Equal UV/unc	31	10-18	C	13.7	2	22-34	P	27.9	3	24-36	P	29.9	3	17-25	P	20.9	2	21-32	P	26.8	3	28
Horiba ABX	32	11-19	C	15.0	1	23-34	P	28.5	2	24-36	P	30.3	3	18-27	P	22.4	1	22-33	P	27.8	2	11
J&J Vitros ISE	33	11-19	C	14.7	2	21-32	P	26.7	2	23-34	P	28.5	3	16-25	P	20.6	2	20-30	P	24.9	2	14
J&J Vitros UV/unc	34	11-19	C	14.7	1	21-32	P	26.7	2	23-34	P	28.7	2	17-25	P	20.7	2	20-30	P	25.0	2	95
Beckman Olympus UV/bic	35	10-18	C	13.8	2	22-33	P	27.5	3	24-36	P	29.8	3	17-25	P	20.8	2	21-32	P	26.7	2	49
Pointe Sci UV/unc	36	10-18	C	13.8	2	22-32	P	27.0	2	23-34	P	28.6	4	17-25	P	20.9	2	22-33	P	27.1	3	10
Roche Cobas UV/rate	37	10-18	C	14.0	1	22-33	P	27.5	2	24-35	P	29.5	2	16-24	P	20.0	2	21-31	P	25.8	2	20
Roche/Hitachi/Integra liq	38	9-17	C	13.1	2	21-32	P	26.8	2	23-34	P	28.6	2	16-24	C	20.0	2	20-30	P	25.4	2	33
SDI Biomed	39	10-18	C	14.1	1	21-31	P	26.1	2	22-34	P	28.0	2	15-23	C	19.4	1	20-30	P	25.2	2	14
Siemens ECO2	40	12-20	C	15.7	1	24-37	P	30.5	2	26-40	P	33.0	2	19-28	P	23.4	2	23-35	P	29.2	2	178
Siemens tCO2	41	12-20	C	15.7	2	24-36	P	29.9	2	26-39	P	32.9	2	18-27	P	22.9	3	23-35	P	28.8	2	40
Initial Grouping by Sensitivity or Principle																						
UV/bichromatic methods	42	10-18	C	14.1	8	22-32	P	26.9	3	23-35	P	29.1	3	17-25	P	20.7	3	21-31	P	26.2	3	130
UV/kinetic (rate) methods	43	10-18	C	14.1	3	22-33	P	27.3	3	23-35	P	29.2	3	16-24	P	20.2	2	21-31	P	26.0	3	61

		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
UV/uncorrected methods	44	10-18	C	14.4	2	22-33	P	27.3	2	23-35	P	29.3	3	17-25	P	20.9	2	21-31	P	25.8	2	212
Diluted ISE results	45	11-19	C	14.8	2	23-34	P	28.3	2	25-37	P	31.1	3	18-26	P	22.0	2	22-33	P	27.2	2	220
Undiluted ISE results	46	11-19	C	15.2	2	22-34	P	27.9	3	24-35	P	29.4	3	17-26	P	21.5	2	21-32	P	26.3	3	18
All other methods	47	12-20	C	15.7	2	24-37	P	30.4	2	26-40	P	33.0	2	19-28	P	23.4	2	23-35	P	29.2	2	178
Total Population																						
Whole Population	48	11-19	C	14.6	2	23-34	P	28.2	3	24-37	P	30.5	3	17-26	P	21.6	2	22-32	P	26.9	3	869