



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

PARTICIPANT STATISTICS

BASIC CHEMISTRY

Chemistry Q1 2010

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. Labs					
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD						
<b>Potassium</b>																						
<b>Initial Grouping by Reagent and Instrument</b>																						
Abaxis Piccolo & Abaxis Piccolo POC analyzer	1	2.0-3.0	C	2.47	0.2	6.1-7.1	C	6.59	0.2	5.4-6.4	C	5.85	0.3	4.0-5.0	C	4.47	0.2	6.4-7.4	C	6.93	0.2	11
Abbott ICT & Abbott Architect c, ci, i	2	2.0-3.0	C	2.47	0.1	5.8-6.8	C	6.29	0.2	4.8-5.8	C	5.27	0.1	3.7-4.7	C	4.16	0.1	6.1-7.1	C	6.62	0.1	11
Alfa Wassermann und ISE & Alfa Wasser ACE/Centr/Aiera	3	2.1-3.1	C	2.56	0.1	5.9-6.9	C	6.42	0.1	5.1-6.1	C	5.56	0.1	3.8-4.8	C	4.34	0.1	6.3-7.3	C	6.79	0.1	69
AVL und ISE & Roche/AVL 9100 series	4	1.9-2.9	C	2.44	0.2	5.9-6.9	C	6.36	0.1	5.0-6.0	C	5.51	0.1	3.7-4.7	C	4.25	0.1	6.2-7.2	C	6.65	0.1	12
Beckman dil ISE & Beckman Synchron CX4/CX5	5	1.9-2.9	C	2.41	0.1	5.8-6.8	C	6.32	0.1	4.8-5.8	C	5.27	0.1	3.7-4.7	C	4.18	0.1	6.2-7.2	C	6.71	0.1	21
Beckman dil ISE & Beckman Synchron CX3/7/9/L	6	1.9-2.9	C	2.41	0.1	5.9-6.9	C	6.40	0.1	4.8-5.8	C	5.32	0.1	3.7-4.7	C	4.22	0.1	6.3-7.3	C	6.79	0.1	40
Beckman dil ISE & Beckman Unicel DXC series	7	2.0-3.0	C	2.46	0.1	5.9-6.9	C	6.39	0.1	4.8-5.8	C	5.32	0.1	3.7-4.7	C	4.25	0.1	6.3-7.3	C	6.76	0.1	65
Carolina dil ISE & Beckman Synchron CX3/7/9/L	8	2.0-3.0	C	2.47	0.1	5.9-6.9	C	6.38	0.1	4.8-5.8	C	5.29	0.1	3.7-4.7	C	4.24	0.1	6.2-7.2	C	6.75	0.2	19
Clin Data ATAC 8000 dil ISE & Vital Diagnostics ATAC 8000	9	2.0-3.0	C	2.47	0.1	5.8-6.8	C	6.34	0.2	4.8-5.8	C	5.30	0.1	3.8-4.8	C	4.26	0.1	6.2-7.2	C	6.70	0.2	25
Clinical Data Envoy ISE & Vital Diagnostics Envoy 500	10	1.9-2.9	C	2.37	0.1	5.7-6.7	C	6.22	0.2	4.6-5.6	C	5.09	0.1	3.6-4.6	C	4.10	0.1	6.1-7.1	C	6.56	0.1	12
Horiba ABX ISE & Horiba ABX Pentra 400	11	2.0-3.0	C	2.54	0.1	5.4-6.4	C	5.88	0.1	4.6-5.6	C	5.13	0.1	3.6-4.6	C	4.08	0.1	5.6-6.6	C	6.12	0.1	13
J&J Vitros und ISE & J&J Vitros DT series	12	2.0-3.0	C	2.46	0.1	5.8-6.8	C	6.33	0.2	4.9-5.9	C	5.37	0.2	3.7-4.7	C	4.22	0.2	6.1-7.1	C	6.62	0.2	13
J&J Vitros und ISE & J&J Vitros not DT or ECI	13	2.1-3.1	C	2.57	0.1	5.9-6.9	C	6.37	0.1	5.1-6.1	C	5.55	0.1	3.9-4.9	C	4.35	0.1	6.1-7.1	C	6.65	0.1	86
J&J Vitros und ISE & J&J Vitros 5,1 FS	14	2.1-3.1	C	2.56	0.1	5.9-6.9	C	6.39	0.1	5.0-6.0	C	5.53	0.1	3.9-4.9	C	4.36	0.1	6.2-7.2	C	6.68	0.1	19
Medica EasyLyte und ISE & Medica EasyLyte series	15	2.0-3.0	C	2.45	0.1	5.8-6.8	C	6.27	0.1	4.8-5.8	C	5.32	0.1	3.7-4.7	C	4.20	0.0	6.1-7.1	C	6.58	0.1	22
Beckman Olympus dil ISE & Beck Oly AU 400/600/5400	16	2.0-3.0	C	2.54	0.0	5.8-6.8	C	6.34	0.1	4.8-5.8	C	5.30	0.1	3.7-4.7	C	4.24	0.1	6.2-7.2	C	6.71	0.1	54
Roche Cobas Integra dil ISE & Roche Cobas Integra	17	2.0-3.0	C	2.50	0.0	5.9-6.9	C	6.41	0.1	4.8-5.8	C	5.31	0.1	3.8-4.8	C	4.28	0.0	6.3-7.3	C	6.76	0.1	25
Roche Cobas und ISE & Roche Cobas Mira series	18	2.1-3.1	C	2.59	0.1	5.8-6.8	C	6.30	0.2	4.9-5.9	C	5.43	0.1	3.9-4.9	C	4.36	0.1	6.2-7.2	C	6.66	0.2	13
Siemens dil ISE & Siemens Advia series	19	2.0-3.0	C	2.55	0.1	5.9-6.9	C	6.40	0.1	4.9-5.9	C	5.37	0.1	3.8-4.8	C	4.28	0.1	6.3-7.3	C	6.75	0.1	16
Siemens MultiPLY IMT & Siemens Dimension series	20	2.0-3.0	C	2.46	0.1	5.9-6.9	C	6.42	0.1	4.8-5.8	C	5.31	0.1	3.8-4.8	C	4.25	0.1	6.3-7.3	C	6.82	0.1	92
Siemens MultiPLY IMT & Siemens Dimension EXL	21	2.0-3.0	C	2.48	0.0	6.0-7.0	C	6.48	0.1	4.8-5.8	C	5.33	0.1	3.8-4.8	C	4.27	0.1	6.3-7.3	C	6.84	0.1	16
Siemens MultiPLY IMT & Siemens Dimension Rxl	22	2.0-3.0	C	2.46	0.1	5.8-6.8	C	6.35	0.1	4.8-5.8	C	5.27	0.1	3.7-4.7	C	4.23	0.1	6.2-7.2	C	6.74	0.1	19
Siemens MultiPLY IMT & Siemens Dimension Xpand	23	2.0-3.0	C	2.47	0.0	6.0-7.0	C	6.47	0.1	4.8-5.8	C	5.33	0.1	3.8-4.8	C	4.27	0.1	6.4-7.4	C	6.86	0.1	83
<b>Initial Grouping by Reagent</b>																						
Abaxis Piccolo	24	2.0-3.0	C	2.47	0.2	6.1-7.1	C	6.59	0.2	5.4-6.4	C	5.85	0.3	4.0-5.0	C	4.47	0.2	6.4-7.4	C	6.93	0.2	11
Abbott ICT	25	2.0-3.0	C	2.46	0.1	5.8-6.8	C	6.29	0.1	4.8-5.8	C	5.27	0.1	3.7-4.7	C	4.16	0.1	6.1-7.1	C	6.62	0.1	12
Alfa Wassermann und ISE	26	2.1-3.1	C	2.56	0.1	5.9-6.9	C	6.41	0.2	5.0-6.0	C	5.51	0.4	3.8-4.8	C	4.34	0.1	6.3-7.3	C	6.79	0.1	71
AVL und ISE	27	1.9-2.9	C	2.44	0.2	5.9-6.9	C	6.35	0.1	5.0-6.0	C	5.50	0.1	3.7-4.7	C	4.24	0.1	6.1-7.1	C	6.65	0.1	14
Beckman dil ISE	28	2.0-3.0	C	2.46	0.3	5.9-6.9	C	6.36	0.2	4.8-5.8	C	5.31	0.2	3.7-4.7	C	4.24	0.3	6.2-7.2	C	6.74	0.3	136
Carolina dil ISE	29	2.0-3.0	C	2.47	0.1	5.8-6.8	C	6.34	0.2	4.8-5.8	C	5.27	0.1	3.7-4.7	C	4.22	0.1	6.2-7.2	C	6.71	0.2	29
Clin Data ATAC 8000 dil ISE	30	2.0-3.0	C	2.47	0.1	5.8-6.8	C	6.34	0.2	4.8-5.8	C	5.30	0.1	3.8-4.8	C	4.26	0.1	6.2-7.2	C	6.70	0.2	25
Clinical Data Envoy ISE	31	1.9-2.9	C	2.37	0.1	5.7-6.7	C	6.21	0.2	4.6-5.6	C	5.09	0.1	3.6-4.6	C	4.09	0.1	6.0-7.0	C	6.55	0.1	15
Horiba ABX ISE	32	2.0-3.0	C	2.54	0.1	5.4-6.4	C	5.88	0.1	4.6-5.6	C	5.13	0.1	3.6-4.6	C	4.08	0.1	5.6-6.6	C	6.12	0.1	13
J&J Vitros und ISE	33	2.1-3.1	C	2.55	0.1	5.9-6.9	C	6.36	0.1	5.0-6.0	C	5.53	0.1	3.8-4.8	C	4.34	0.1	6.2-7.2	C	6.65	0.1	122
Medica EasyLyte und ISE	34	2.0-3.0	C	2.49	0.1	5.8-6.8	C	6.26	0.2	4.8-5.8	C	5.34	0.1	3.7-4.7	C	4.21	0.1	6.1-7.1	C	6.60	0.1	27
Beckman Olympus dil ISE	35	2.0-3.0	C	2.53	0.1	5.8-6.8	C	6.34	0.1	4.8-5.8	C	5.30	0.1	3.7-4.7	C	4.24	0.1	6.2-7.2	C	6.70	0.1	59
Roche Cobas Integra dil ISE	36	2.0-3.0	C	2.49	0.0	5.9-6.9	C	6.39	0.1	4.8-5.8	C	5.30	0.1	3.8-4.8	C	4.26	0.1	6.3-7.3	C	6.76	0.1	32
Roche Cobas und ISE	37	2.0-3.0	C	2.55	0.2	5.8-6.8	C	6.29	0.2	4.9-5.9	C	5.41	0.2	3.8-4.8	C	4.30	0.1	6.1-7.1	C	6.61	0.2	20
Roche/Hitachi dil ISE	38	2.0-3.0	C	2.48	0.1	5.9-6.9	C	6.37	0.1	4.8-5.8	C	5.31	0.1	3.7-4.7	C	4.24	0.1	6.2-7.2	C	6.70	0.1	28
Siemens dil ISE	39	2.0-3.0	C	2.55	0.1	5.9-6.9	C	6.41	0.1	4.9-5.9	C	5.36	0.1	3.8-4.8	C	4.28	0.1	6.3-7.3	C	6.76	0.1	18
Siemens MultiPLY IMT	40	2.0-3.0	C	2.47	0.1	5.9-6.9	C	6.44	0.1	4.8-5.8	C	5.31	0.1	3.8-4.8	C	4.26	0.1	6.3-7.3	C	6.83	0.1	211
<b>Initial Grouping by Sensitivity or Principle</b>																						

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Colorimetric/turbidimetric	41	2.0-3.0	C	2.47	0.2	6.1-7.1	C	6.56	0.2	5.3-6.3	C	5.76	0.3	3.9-4.9	C	4.44	0.2	6.3-7.3	C	6.83	0.3	15
Diluted ISE results	42	2.0-3.0	C	2.48	0.2	5.8-6.8	C	6.35	0.2	4.8-5.8	C	5.29	0.2	3.7-4.7	C	4.24	0.2	6.2-7.2	C	6.72	0.2	376
Undiluted ISE results	43	2.0-3.0	C	2.51	0.1	5.9-6.9	C	6.37	0.2	4.9-5.9	C	5.40	0.2	3.8-4.8	C	4.28	0.1	6.2-7.2	C	6.72	0.2	495
<b>Total Population</b>																						
Whole Population	44	2.0-3.0	C	2.50	0.1	5.9-6.9	C	6.37	0.2	4.9-5.9	C	5.37	0.2	3.8-4.8	C	4.26	0.1	6.2-7.2	C	6.72	0.2	935