



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						
Creatinine																						
Initial Grouping by Reagent and Instrument																						
Abaxis Piccolo & Abaxis Piccolo POC analyzer	1	0.2-0.8	C	0.47	0.1	5.3-7.2	P	6.22	0.3	1.0-1.6	C	1.27	0.1	2.2-3.0	P	2.62	0.1	6.8-9.2	P	7.97	0.2	11
Abbott Aeroset/Architect & Abbott Architect c, ci, i	2	0.3-0.9	C	0.59	0.0	5.2-7.0	P	6.06	0.3	0.9-1.5	C	1.23	0.1	2.1-2.8	P	2.45	0.1	6.6-8.9	P	7.74	0.4	13
Alfa Wassermann nonenz rate & Alfa Wasser ACE/Centr/Alera	3	0.2-0.8	C	0.48	0.1	4.6-6.3	P	5.46	0.3	0.7-1.3	C	0.97	0.1	1.9-2.6	P	2.23	0.1	6.1-8.2	P	7.14	0.3	80
Beckman nonenz rate & Beckman Synchron CX4/CX5	4	0.1-0.7	C	0.35	0.1	5.0-6.8	P	5.93	0.1	0.7-1.3	C	0.99	0.1	2.0-2.7	P	2.31	0.1	6.5-8.8	P	7.69	0.2	16
Beckman nonenz rate & Beckman Synchron CX3/7/9/L	5	0.1-0.7	C	0.42	0.1	5.2-7.0	P	6.10	0.1	0.9-1.5	C	1.18	0.1	2.1-2.8	P	2.45	0.1	6.6-9.0	P	7.80	0.1	32
Beckman nonenz rate & Beckman Unicel DXC series	6	0.0-0.6	C	0.33	0.1	5.0-6.8	P	5.90	0.2	0.7-1.3	C	1.01	0.1	2.0-2.7	P	2.32	0.1	6.5-8.8	P	7.65	0.3	43
Beckman Synchron IDMS trace & Beckman Unicel DXC series	7	0.0-0.6	C	0.33	0.0	5.0-6.8	P	5.91	0.1	0.7-1.3	C	0.99	0.1	1.9-2.6	P	2.28	0.1	6.5-8.8	P	7.62	0.2	22
Carolina nonenz rate & Beckman Synchron CX3/7/9/L	8	0.2-0.8	C	0.51	0.1	5.2-7.1	P	6.16	0.2	0.9-1.5	C	1.15	0.1	2.1-2.8	P	2.46	0.1	6.7-9.0	P	7.87	0.3	24
Clin Data ATAC nonenz rate & Vital Diagnostics ATAC 8000	9	0.2-0.8	C	0.49	0.1	5.2-7.0	P	6.08	0.2	0.8-1.4	C	1.14	0.1	2.1-2.8	P	2.47	0.1	6.7-9.0	P	7.83	0.4	23
Clinical Data Envoy & Vital Diagnostics Envoy 500	10	0.1-0.7	C	0.40	0.0	5.2-7.0	P	6.13	0.2	0.9-1.5	C	1.17	0.1	2.1-2.8	P	2.46	0.1	6.7-9.0	P	7.86	0.3	14
DCL/Genzyme nonenz rate & Roche Cobas Mira series	11	0.2-0.8	C	0.52	0.1	5.1-6.9	P	5.98	0.3	0.8-1.4	C	1.08	0.1	2.1-2.8	P	2.42	0.2	6.5-8.8	P	7.64	0.4	12
Horiba ABX & Horiba ABX Pentra 400	12	0.1-0.7	C	0.43	0.0	5.0-6.7	P	5.85	0.1	0.7-1.3	C	1.02	0.1	2.0-2.7	P	2.34	0.1	6.4-8.7	P	7.53	0.2	13
J&J Vitros 1-slide enz & J&J Vitros not DT or ECI	13	0.2-0.8	C	0.50	0.1	5.5-7.4	P	6.42	0.3	1.2-1.8	C	1.46	0.1	2.2-3.0	P	2.62	0.1	6.7-9.1	P	7.90	0.3	75
J&J Vitros 1-slide enz & J&J Vitros 5,1 FS	14	0.2-0.8	C	0.50	0.0	5.4-7.3	P	6.36	0.1	1.1-1.7	C	1.42	0.1	2.2-3.0	P	2.60	0.1	6.8-9.2	P	7.96	0.2	15
J&J Vitros IDMS traceable & J&J Vitros not DT or ECI	15	0.2-0.8	C	0.50	0.0	5.4-7.2	P	6.30	0.1	1.1-1.7	C	1.40	0.0	2.2-3.0	P	2.61	0.1	6.6-8.9	P	7.76	0.2	11
Beckman Olympus nonenz rate & Beck Oly AU 400/600/5400	16	0.1-0.7	C	0.40	0.0	5.1-6.9	P	5.97	0.1	0.9-1.5	C	1.17	0.0	2.0-2.7	P	2.37	0.1	6.5-8.8	P	7.62	0.2	45
Roche Cobas nonenz rate & Roche Cobas Integra	17	0.0-0.6	C	0.35	0.1	4.8-6.5	P	5.62	0.3	0.7-1.3	C	1.00	0.1	1.9-2.5	P	2.21	0.1	6.2-8.3	P	7.25	0.3	22
SDI Biomed & SDI CA240, 480	18	0.1-0.7	C	0.44	0.1	4.5-6.0	P	5.24	0.4	0.8-1.4	C	1.08	0.1	1.8-2.4	P	2.11	0.2	5.7-7.7	P	6.68	0.5	12
Siemens enz & Siemens Dimension series	19	0.1-0.7	C	0.43	0.1	5.2-7.1	P	6.14	0.1	0.8-1.4	C	1.10	0.1	2.1-2.8	P	2.43	0.1	6.6-8.9	P	7.75	0.2	88
Siemens enz & Siemens Dimension EXL	20	0.1-0.7	C	0.43	0.1	5.2-7.0	P	6.12	0.1	0.8-1.4	C	1.11	0.1	2.1-2.8	P	2.42	0.1	6.6-8.9	P	7.74	0.1	12
Siemens enz & Siemens Dimension Rxl	21	0.1-0.7	C	0.44	0.1	5.2-7.1	P	6.15	0.1	0.8-1.4	C	1.11	0.1	2.1-2.8	P	2.44	0.1	6.6-9.0	P	7.81	0.1	10
Siemens enz & Siemens Dimension Xpand	22	0.1-0.7	C	0.42	0.1	5.2-7.0	P	6.09	0.1	0.8-1.4	C	1.09	0.1	2.0-2.8	P	2.40	0.1	6.5-8.8	P	7.68	0.2	52
Siemens ADVIA & Siemens Advia series	23	0.2-0.8	C	0.49	0.1	5.1-6.9	P	5.96	0.2	1.0-1.6	C	1.26	0.1	2.1-2.8	P	2.46	0.1	6.4-8.7	P	7.55	0.3	15
Siemens nonenz rate & Siemens Dimension Xpand	24	0.1-0.7	C	0.44	0.1	5.2-7.1	P	6.15	0.1	0.8-1.4	C	1.09	0.1	2.1-2.8	P	2.42	0.1	6.6-8.9	P	7.76	0.1	33
Initial Grouping by Reagent																						
Abaxis Piccolo	25	0.2-0.8	C	0.47	0.1	5.3-7.2	P	6.22	0.3	1.0-1.6	C	1.27	0.1	2.2-3.0	P	2.62	0.1	6.8-9.2	P	7.97	0.2	11
Abbott Aeroset/Architect	26	0.3-0.9	C	0.59	0.0	5.1-6.9	P	6.02	0.3	0.9-1.5	C	1.23	0.1	2.1-2.8	P	2.43	0.1	6.5-8.8	P	7.68	0.4	16
Alfa Wassermann nonenz rate	27	0.2-0.8	C	0.48	0.1	4.7-6.4	P	5.58	1.3	0.7-1.3	C	0.97	0.1	1.9-2.6	P	2.22	0.1	6.0-8.2	P	7.12	0.4	80
Beckman nonenz rate	28	0.1-0.7	C	0.38	0.1	5.1-6.9	P	5.99	0.2	0.8-1.4	C	1.07	0.1	2.0-2.7	P	2.36	0.1	6.6-8.9	P	7.71	0.2	100
Beckman Synchron IDMS trace	29	0.1-0.7	C	0.36	0.1	4.9-6.7	P	5.80	0.7	0.9-1.5	C	1.22	1.2	2.1-2.8	P	2.42	1.2	6.3-8.5	P	7.40	1.0	29
Carolina nonenz rate	30	0.2-0.8	C	0.52	0.1	5.2-7.1	P	6.14	0.2	0.9-1.5	C	1.16	0.1	2.1-2.8	P	2.45	0.1	6.7-9.0	P	7.87	0.3	35
Clin Data ATAC nonenz rate	31	0.2-0.8	C	0.49	0.1	5.1-6.9	P	6.04	0.3	0.8-1.4	C	1.14	0.1	2.1-2.8	P	2.47	0.1	6.7-9.0	P	7.83	0.4	23
Clinical Data Envoy	32	0.1-0.7	C	0.40	0.0	5.2-7.0	P	6.13	0.2	0.9-1.5	C	1.17	0.1	2.1-2.8	P	2.46	0.1	6.7-9.0	P	7.86	0.2	17
DCL/Genzyme nonenz rate	33	0.2-0.8	C	0.53	0.1	5.0-6.7	P	5.83	0.3	0.9-1.5	C	1.16	0.1	2.1-2.8	P	2.42	0.2	6.4-8.6	P	7.49	0.4	27
Horiba ABX	34	0.1-0.7	C	0.43	0.0	5.0-6.7	P	5.85	0.1	0.7-1.3	C	1.02	0.1	2.0-2.7	P	2.34	0.1	6.4-8.7	P	7.53	0.2	13
J&J Vitros 1-slide enz	35	0.2-0.8	C	0.51	0.1	5.5-7.4	P	6.43	0.3	1.2-1.8	C	1.46	0.1	2.2-3.0	P	2.63	0.1	6.7-9.1	P	7.91	0.3	101
J&J Vitros IDMS traceable	36	0.2-0.8	C	0.48	0.1	5.4-7.2	P	6.30	0.1	1.1-1.7	C	1.41	0.0	2.2-3.0	P	2.62	0.1	6.7-9.0	P	7.84	0.3	17
Beckman Olympus nonenz rate	37	0.1-0.7	C	0.40	0.0	5.1-6.9	P	5.96	0.2	0.9-1.5	C	1.17	0.1	2.0-2.7	P	2.38	0.1	6.5-8.8	P	7.62	0.2	49
Pointe Sci nonenz rate	38	0.2-0.8	C	0.54	0.1	4.9-6.7	P	5.80	0.5	0.8-1.4	C	1.09	0.2	2.0-2.7	P	2.36	0.3	6.3-8.5	P	7.43	0.6	20
Roche Cobas nonenz rate	39	0.1-0.7	C	0.36	0.1	4.9-6.6	P	5.75	0.4	0.7-1.3	C	1.05	0.1	1.9-2.6	P	2.27	0.2	6.3-8.6	P	7.45	0.4	41
SDI Biomed	40	0.1-0.7	C	0.43	0.0	4.4-6.0	P	5.22	0.4	0.8-1.4	C	1.08	0.1	1.8-2.4	P	2.12	0.2	5.7-7.7	P	6.68	0.5	13
Siemens enz	41	0.1-0.7	C	0.43	0.1	5.2-7.0	P	6.13	0.1	0.8-1.4	C	1.10	0.1	2.1-2.8	P	2.42	0.1	6.6-8.9	P	7.73	0.2	163

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						
Siemens ADVIA	42	0.2-0.8	C	0.49	0.1	5.1-6.9	P	5.96	0.2	1.0-1.6	C	1.26	0.1	2.1-2.8	P	2.46	0.1	6.4-8.7	P	7.55	0.3	15
Siemens nonenz rate	43	0.1-0.7	C	0.42	0.1	5.2-7.1	P	6.14	0.2	0.8-1.4	C	1.10	0.1	2.1-2.8	P	2.42	0.1	6.6-8.9	P	7.75	0.2	51
Sterling nonenz endpt	44	0.4-1.0	C	0.74	0.1	5.6-7.5	P	6.56	0.4	1.2-1.8	C	1.49	0.2	2.3-3.2	P	2.75	0.2	7.1-9.7	P	8.40	0.5	10
Thermo Scientific Infinity	45	0.1-0.7	C	0.44	0.1	4.8-6.5	P	5.69	0.4	0.7-1.3	C	1.03	0.1	1.9-2.6	P	2.26	0.2	6.2-8.3	P	7.24	0.5	10
Initial Grouping by Sensitivity or Principle																						
Enzymatic methods	46	0.2-0.8	C	0.46	0.1	5.3-7.1	P	6.21	0.4	1.0-1.6	C	1.26	0.4	2.1-2.9	P	2.49	0.2	6.6-9.0	P	7.78	0.3	289
Nonenzymatic endpoint	47	0.2-0.8	C	0.54	0.2	4.9-6.7	P	5.80	0.8	0.9-1.5	C	1.18	0.3	2.0-2.8	P	2.39	0.4	6.3-8.5	P	7.43	1.0	24
Nonenzymatic rate	48	0.2-0.8	C	0.45	0.1	5.0-6.8	P	5.91	0.6	0.8-1.4	C	1.10	0.1	2.0-2.8	P	2.40	1.0	6.4-8.7	P	7.56	0.4	535
PAP enzymatic	49	0.1-0.7	C	0.38	0.1	5.1-7.0	P	6.05	0.3	0.8-1.4	C	1.12	0.1	2.0-2.7	P	2.39	0.1	6.6-8.9	P	7.71	0.4	10
IDMS traceable	50	0.1-0.7	C	0.40	0.1	5.1-6.9	P	6.02	0.6	1.0-1.6	C	1.28	0.9	2.1-2.9	P	2.50	0.9	6.4-8.7	P	7.57	0.8	49
Total Population																						
Whole Population	51	0.1-0.7	C	0.44	0.1	5.1-6.9	P	6.01	0.4	0.8-1.4	C	1.14	0.2	2.0-2.8	P	2.41	0.2	6.5-8.8	P	7.64	0.4	941