



AMERICAN ASSOCIATION OF BIOANALYSTS  
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PARTICIPANT STATISTICS

COMPREHENSIVE 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>Alkaline Phosphatase</b>																						
<b>Initial Grouping by Reagent and Instrument</b>																						
Abbott & Abbott Architect c, ci, i	1	307-571	P	439.2	25	44-81	P	62.4	4	88-163	P	125.5	3	183-339	P	260.8	13	31-57	P	44.1	2	15
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	2	302-561	P	431.7	23	43-79	P	61.1	4	82-153	P	117.7	6	179-332	P	255.3	13	30-55	P	42.7	3	75
Beckman & Beckman Synchron CX4/CX5	3	271-503	P	387.0	17	39-72	P	55.4	3	77-143	P	109.8	5	161-299	P	229.6	11	26-49	P	37.8	3	21
Beckman & Beckman Synchron CX3/7/9/L	4	269-501	P	385.0	16	38-71	P	54.9	3	76-142	P	108.9	6	159-296	P	227.3	12	26-49	P	37.4	3	29
Beckman & Beckman Unicel DXC series	5	276-512	P	394.1	19	39-72	P	55.6	3	77-144	P	110.6	6	164-304	P	233.7	13	26-49	P	37.8	3	64
Carolina & Beckman Synchron CX3/7/9/L	6	292-542	P	417.2	25	41-77	P	58.9	5	81-150	P	115.7	7	171-318	P	244.7	15	29-53	P	41.0	4	20
Clinical Data ATAC & Vital Diagnostics ATAC 8000	7	282-523	P	402.7	31	42-79	P	60.5	7	80-148	P	114.0	9	171-318	P	244.7	16	31-58	P	44.3	4	23
Clinical Data Envoy & Vital Diagnostics Envoy 500	8	278-515	P	396.5	28	40-75	P	57.5	6	81-150	P	115.1	9	166-308	P	236.7	14	28-52	P	40.2	5	13
DCL/Genzyme & Roche Cobas Mira series	9	275-510	P	392.6	19	38-70	P	53.9	2	73-136	P	104.4	4	162-301	P	231.2	7	26-48	P	36.9	2	10
Horiba ABX & Horiba ABX Pentra 400	10	309-575	P	442.1	15	43-80	P	61.8	4	87-162	P	124.3	7	183-340	P	261.5	7	30-56	P	43.4	2	13
J&J Vitros & J&J Vitros not DT or ECI	11	194-361	P	277.6	13	35-64	P	49.6	3	66-123	P	94.8	5	127-236	P	181.7	7	24-45	P	34.4	3	82
J&J Vitros & J&J Vitros 5,1 FS	12	206-382	P	294.2	10	37-69	P	52.9	2	71-131	P	100.9	4	134-248	P	190.8	7	26-48	P	37.2	2	19
Beckman Olym DEA/converted & Beck Oly AU 400/600/5400	13	276-513	P	394.4	25	39-73	P	56.2	4	76-142	P	109.2	7	162-302	P	232.0	16	27-51	P	39.0	3	26
Beckman Olympus no DEA & Beck Oly AU 400/600/5400	14	266-495	P	380.5	27	39-72	P	55.1	5	75-138	P	106.5	8	158-294	P	225.8	16	27-50	P	38.4	3	19
Roche IFCC Gen. 2 & Roche Cobas Integra	15	290-538	P	414.1	14	39-73	P	56.4	2	78-144	P	111.1	3	170-315	P	242.4	9	27-50	P	38.6	2	26
SDI Biomed & SDI CA240, 480	16	272-505	P	388.3	37	43-79	P	60.8	6	76-141	P	108.7	11	161-298	P	229.5	23	28-53	P	40.6	4	13
Siemens & Siemens Advia series	17	305-567	P	435.9	32	43-79	P	61.1	5	85-158	P	121.7	10	180-335	P	257.5	19	30-55	P	42.5	4	15
Siemens Dimension & Siemens Dimension series	18	321-596	P	458.2	22	47-87	P	67.1	6	90-168	P	129.1	10	190-352	P	271.1	15	33-62	P	47.6	6	89
Siemens Dimension & Siemens Dimension EXL	19	333-619	P	476.1	21	52-96	P	73.9	4	96-179	P	137.4	6	200-371	P	285.3	12	37-70	P	53.5	4	16
Siemens Dimension & Siemens Dimension Rxl	20	326-606	P	466.2	20	48-89	P	68.3	6	92-171	P	131.3	8	192-357	P	274.9	13	33-61	P	47.1	5	19
Siemens Dimension & Siemens Dimension Xpand	21	318-590	P	453.9	20	45-84	P	64.7	5	88-164	P	125.8	8	186-346	P	266.4	14	33-61	P	46.7	5	92
<b>Initial Grouping by Reagent</b>																						
Abbott	22	310-576	P	443.2	25	44-82	P	63.2	4	88-163	P	125.4	6	184-342	P	263.1	13	31-58	P	44.4	2	18
Alfa Wassermann	23	301-559	P	430.1	27	43-81	P	62.0	9	82-153	P	117.4	7	178-330	P	253.7	32	30-55	P	42.4	3	75
Beckman	24	274-509	P	391.7	22	39-72	P	55.5	4	77-144	P	110.5	7	161-300	P	230.6	22	27-51	P	39.2	17	123
Carolina	25	282-523	P	402.4	37	40-75	P	57.6	6	78-145	P	111.4	11	166-309	P	237.6	21	28-52	P	40.0	4	30
Clinical Data ATAC	26	282-523	P	402.7	31	42-79	P	60.5	7	80-148	P	114.0	9	171-318	P	244.7	16	30-56	P	43.4	6	23
Clinical Data Envoy	27	275-512	P	393.5	26	40-75	P	57.4	5	80-148	P	113.7	9	164-305	P	234.9	13	28-52	P	40.1	4	16
DCL/Genzyme	28	303-563	P	433.1	52	41-77	P	59.2	7	82-152	P	117.0	14	179-332	P	255.7	28	29-54	P	41.2	6	27
Horiba ABX	29	309-575	P	442.1	15	43-80	P	61.8	4	87-162	P	124.3	7	183-340	P	261.5	7	30-56	P	43.4	2	13
J&J Vitros	30	197-366	P	281.4	15	35-65	P	50.3	3	67-125	P	96.2	6	129-239	P	183.8	8	24-45	P	34.9	3	106
Beckman Olym DEA/converted	31	276-513	P	395.0	25	39-73	P	56.1	4	76-142	P	109.1	7	162-302	P	232.1	16	27-51	P	39.0	3	28
Beckman Olympus no DEA	32	268-497	P	382.4	26	39-72	P	55.2	4	75-139	P	106.6	7	158-294	P	226.1	15	27-50	P	38.5	3	22
Pointe Sci	33	307-569	P	437.9	39	43-79	P	61.0	9	84-155	P	119.5	13	181-336	P	258.8	23	29-54	P	41.9	7	18
Roche/Hit 9xx/Mod AMP IFCC	34	276-513	P	394.8	13	39-73	P	55.8	2	77-142	P	109.5	3	166-308	P	236.7	9	27-50	P	38.2	1	15
Roche IFCC Gen. 2	35	291-540	P	415.3	18	40-74	P	57.1	3	79-146	P	112.7	4	172-319	P	245.1	11	27-51	P	39.3	2	45
SDI Biomed	36	272-505	P	388.3	37	43-79	P	60.8	6	76-141	P	108.7	11	161-298	P	229.5	23	28-53	P	40.6	4	13
Siemens	37	306-569	P	437.6	32	43-81	P	61.9	6	86-159	P	122.5	10	182-337	P	259.3	20	30-55	P	42.5	4	16
Siemens Dimension	38	321-596	P	458.1	23	47-87	P	66.8	6	90-167	P	128.5	9	189-351	P	270.3	16	34-63	P	48.4	13	217
<b>Initial Grouping by Sensitivity or Principle</b>																						
Low moderate recovery meths	39	271-504	P	387.6	30	39-72	P	55.6	5	77-142	P	109.4	8	160-297	P	228.8	23	27-51	P	39.1	16	144
Moderate recovery methods	40	232-431	P	331.9	70	37-70	P	53.5	6	72-134	P	103.4	13	145-269	P	207.2	34	26-48	P	37.2	5	172
High moderate recovery meth	41	290-538	P	414.1	43	42-77	P	59.5	7	81-151	P	116.0	12	173-321	P	246.8	24	29-55	P	42.0	7	114
High recovery methods	42	298-553	P	425.7	83	42-78	P	59.9	12	81-151	P	116.1	22	176-327	P	251.3	51	29-54	P	41.2	8	201
Very high recovery methods	43	321-596	P	458.4	23	47-87	P	66.8	6	90-167	P	128.6	9	189-352	P	270.6	16	34-63	P	48.3	13	221
<b>Total Population</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	
Whole Population	44	286-531 P	408.7	57	41-77 P	59.2	7	81-150 P	115.4	13	170-316 P	242.8	31	29-53 P	41.1	6	876