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

PARTICIPANT STATISTICS

ISOENZYMES-CARDIAC MARKERS

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
CK-2 (CK-MB), U/L																						
Total Population																						
Whole Population	1	0-57	S	16.2	14	0-41	S	12.0	10	0-146	S	50.3	32	0-60	S	17.8	14	0-6	S	1.7	2	12

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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
CK-2 (CK-MB), ng/mL (µg/L)																						
Initial Grouping by Reagent and Instrument																						
Abbott MEIA fluorometic & Abbott AxSYM	1	22-54	S	37.5	5	21-35	S	28.4	2	80-141	S	110.9	10	12-71	S	41.3	10	1-1	S	1.0	0	11
Beckman Access luminometric & Beckman Access luminometer	2	32-41	S	36.4	2	22-29	S	25.6	1	95-121	S	108.2	4	13-62	S	37.6	8	1-1	S	1.0	0	51
J&J Vitros ECi & J&J Vitros ECi	3	20-27	S	23.8	1	13-18	S	15.5	1	55-75	S	64.9	3	10-38	S	24.0	5	0-0	S	0.0	0	16
Roche Elecsys & Roche Elecsys series	4	22-36	S	28.8	2	15-26	S	20.2	2	55-106	S	80.6	9	23-43	S	32.8	3	1-1	S	1.0	0	14
Siemens CrO2 & Siemens Dimension series	5	26-36	S	31.1	2	17-25	S	21.0	1	87-113	S	100.4	4	25-50	S	37.2	4	1-1	S	1.0	0	26
Siemens CrO2 & Siemens Dimension Xpand	6	27-36	S	31.0	1	16-25	S	20.4	2	83-115	S	99.1	5	27-47	S	37.0	3	1-1	S	1.0	0	27
Siemens Stratus CS & Siemens Stratus CS	7	31-39	S	34.9	1	23-29	S	26.0	1	91-115	S	103.0	4	19-61	S	39.7	7	0-0	S	0.0	0	19
Initial Grouping by Reagent																						
Abbott MEIA fluorometic	8	22-54	S	37.5	5	21-35	S	28.4	2	80-141	S	110.9	10	12-71	S	41.3	10	0-2	S	0.4	1	11
Beckman Access luminometric	9	27-45	S	35.9	3	19-31	S	25.4	2	94-123	S	108.4	5	14-62	S	37.8	8	0-2	S	0.5	1	58
J&J Vitros ECi	10	20-27	S	23.6	1	13-18	S	15.6	1	55-74	S	64.5	3	9-38	S	23.6	5	0-1	S	0.2	0	20
Roche Elecsys	11	23-35	S	29.0	2	15-25	S	20.3	2	61-103	S	81.9	7	25-42	S	33.4	3	0-2	S	0.7	0	23
Siemens chemilumometric	12	20-34	S	27.0	2	15-24	S	19.2	2	50-104	S	77.2	9	15-48	S	31.1	6	1-1	S	1.0	0	11
Siemens CrO2	13	18-42	S	30.1	4	14-27	S	20.5	2	67-129	S	98.4	10	19-52	S	35.8	6	0-2	S	0.4	0	70
Siemens Stratus CS	14	31-39	S	34.9	1	23-29	S	26.0	1	91-115	S	103.0	4	19-61	S	39.7	7	0-0	S	0.0	0	19
Tosoh AIA Pack	15	2-74	S	37.7	12	24-32	S	28.0	1	107-132	S	119.1	4	16-72	S	43.9	9	0-7	S	1.7	2	11
Siemens Dimension	16	27-35	S	31.1	1	17-25	S	20.7	1	88-112	S	100.1	4	0-65	S	31.7	11	1-1	S	1.0	0	16
Initial Grouping by Sensitivity or Principle																						
Low moderate recovery meths	17	15-34	S	24.4	3	11-23	S	16.8	2	44-94	S	69.0	8	7-45	S	25.8	6	0-1	S	0.2	0	31
Moderate recovery methods	18	16-50	S	33.3	6	13-34	S	23.7	4	71-136	S	103.7	11	14-60	S	37.3	8	0-2	S	0.4	1	182
High moderate recovery meth	19	8-54	S	30.8	8	8-34	S	20.9	4	24-149	S	86.7	21	4-62	S	32.9	10	0-8	S	0.8	2	41
Total Population																						
Whole Population	20	18-46	S	32.2	5	11-33	S	22.4	4	56-141	S	98.6	14	17-55	S	36.1	6	0-4	S	0.5	1	260

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ISOENZYMES-CARDIAC MARKERS

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
Myoglobin																						
Initial Grouping by Sensitivity or Principle																						
Luminometric	1	350-650	P	499.8	139	23-53	C	38.4	13	64-119	P	91.6	24	189-351	P	270.3	92	7-37	C	21.9	9	29
Total Population																						
Whole Population	2	350-649	P	499.5	106	15-45	C	30.0	3	55-102	P	78.7	12	184-342	P	262.8	51	0-30	C	15.4	3	94

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ISOENZYMES-CARDIAC MARKERS

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
Troponin I																						
Initial Grouping by Reagent and Instrument																						
Abbott ADV & Abbott AxSYM	1	2.18-4.05	P	3.118	0.35	0.00-1.05	C	0.151	0.02	0.30-2.10	C	1.201	0.14	0.81-2.61	C	1.713	0.25	0.00-0.92	C	0.018	0.00	10
Beckman Access luminometric & Beckman Access luminometer	2	1.66-3.46	C	2.560	0.22	0.00-1.05	C	0.153	0.02	0.00-1.75	C	0.849	0.09	0.46-2.26	C	1.359	0.18	0.00-0.91	C	0.010	0.00	22
Beckman Access AccuTnI & Beckman Access luminometer	3	1.70-3.50	C	2.596	0.21	0.00-1.05	C	0.155	0.02	0.00-1.76	C	0.863	0.09	0.49-2.29	C	1.392	0.18	0.00-0.91	C	0.010	0.00	34
J&J Vitros ECi luminometric & J&J Vitros ECi	4	1.68-3.48	C	2.581	0.07	0.00-1.08	C	0.178	0.01	2.33-4.33	P	3.330	0.10	0.81-2.61	C	1.712	0.05	0.00-0.91	C	0.013	0.01	19
Siemens CrO2 & Siemens Dimension series	5	3.12-5.80	P	4.462	0.40	0.00-1.06	C	0.158	0.02	0.21-2.01	C	1.112	0.12	1.55-3.35	C	2.446	0.23	0.00-0.95	C	0.054	0.02	26
Siemens CrO2 & Siemens Dimension Xpand	6	2.94-5.46	P	4.198	0.39	0.00-1.05	C	0.148	0.03	0.13-1.93	C	1.030	0.09	1.40-3.20	C	2.299	0.23	0.00-0.95	C	0.048	0.02	25
Siemens Revised (RxL) & Siemens Dimension Xpand	7	3.15-5.85	P	4.503	0.56	0.00-1.06	C	0.161	0.03	0.15-1.94	C	1.045	0.06	1.29-3.09	C	2.193	0.25	0.00-0.93	C	0.028	0.02	13
Siemens Stratus CS & Siemens Stratus CS	8	2.93-5.44	P	4.182	0.40	0.00-1.12	C	0.215	0.03	0.42-2.22	C	1.322	0.07	1.50-3.30	C	2.402	0.29	0.00-0.93	C	0.030	0.01	24
Initial Grouping by Reagent																						
Abbott ADV	9	2.18-4.05	P	3.118	0.35	0.00-1.05	C	0.151	0.02	0.30-2.10	C	1.201	0.14	0.81-2.61	C	1.713	0.25	0.00-0.91	C	0.007	0.01	10
Beckman Access luminometric	10	1.69-3.48	C	2.585	0.25	0.00-1.05	C	0.153	0.02	0.00-1.75	C	0.855	0.10	0.47-2.27	C	1.372	0.18	0.00-0.91	C	0.010	0.01	26
Beckman Access AccuTnI	11	1.69-3.49	C	2.586	0.32	0.00-1.06	C	0.155	0.02	0.00-1.76	C	0.862	0.09	0.51-2.31	C	1.411	0.19	0.00-0.91	C	0.012	0.02	38
J&J Vitros ECi luminometric	12	1.65-3.45	C	2.551	0.10	0.00-1.08	C	0.177	0.01	2.32-4.32	P	3.321	0.09	0.80-2.60	C	1.699	0.08	0.00-0.91	C	0.007	0.01	23
Siemens CrO2	13	3.04-5.65	P	4.344	0.48	0.00-1.05	C	0.152	0.03	0.17-1.97	C	1.066	0.12	1.46-3.26	C	2.365	0.29	0.00-0.92	C	0.025	0.04	64
Siemens Revised (RxL)	14	3.08-5.71	P	4.395	0.52	0.00-1.07	C	0.167	0.04	0.16-1.96	C	1.058	0.11	1.29-3.09	C	2.192	0.29	0.00-0.93	C	0.026	0.03	30
Siemens Stratus CS	15	2.93-5.44	P	4.182	0.40	0.00-1.12	C	0.215	0.03	0.42-2.22	C	1.322	0.07	1.50-3.30	C	2.402	0.29	0.00-0.93	C	0.029	0.03	24
Tosoh AIA Pack fluorometric	16	2.77-5.15	P	3.958	0.19	0.00-1.22	C	0.320	0.06	3.36-6.24	P	4.799	0.40	1.73-3.53	C	2.634	0.19	0.00-0.95	C	0.050	0.02	14
Initial Grouping by Sensitivity or Principle																						
Immunofluorometric-not FPIA	17	2.16-4.01	P	3.082	1.07	0.00-1.19	C	0.285	0.11	2.11-3.91	P	3.011	1.72	1.07-2.87	C	1.967	0.67	0.00-0.92	C	0.023	0.02	37
Luminometric	18	2.40-4.45	P	3.424	2.51	0.00-1.09	C	0.186	0.08	0.79-2.59	C	1.691	1.10	1.00-2.80	C	1.904	1.23	0.00-0.92	C	0.023	0.05	108
Spectrophotometric	19	3.47-6.45	P	4.960	3.93	0.00-1.35	C	0.446	2.74	0.29-2.09	C	1.192	0.61	1.54-3.34	C	2.440	0.63	0.00-1.07	C	0.167	1.48	104
All other methods	20	2.93-5.44	P	4.184	0.39	0.00-1.11	C	0.215	0.03	0.41-2.21	C	1.313	0.09	1.50-3.30	C	2.397	0.28	0.00-0.93	C	0.028	0.03	25
Total Population																						
Whole Population	21	2.75-5.11	P	3.930	0.72	0.00-1.22	C	0.323	0.08	0.51-2.31	C	1.407	0.30	1.19-2.99	C	2.093	0.42	0.00-1.01	C	0.108	0.02	283

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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
Troponin T																						
Initial Grouping by Reagent and Instrument																						
Roche Elecsys luminometric & Roche Elecsys series	1	4.95-9.20	P	7.076	0.72	0.00-0.13	C	0.033	0.01	0.08-0.28	C	0.181	0.02	2.51-4.67	P	3.591	0.44	0.00-0.11	C	0.010	0.00	16
Initial Grouping by Reagent																						
Roche Elecsys luminometric	2	4.96-9.22	P	7.090	0.59	0.00-0.15	C	0.046	0.05	0.08-0.28	C	0.183	0.02	2.52-4.67	P	3.596	0.38	0.00-0.11	C	0.010	0.00	25
Initial Grouping by Sensitivity or Principle																						
Luminometric	3	4.96-9.22	P	7.090	0.59	0.00-0.14	C	0.045	0.05	0.08-0.28	C	0.183	0.02	2.52-4.67	P	3.596	0.38	0.00-0.11	C	0.011	0.00	25
Total Population																						
Whole Population	4	5.02-9.31	P	7.165	2.02	0.00-0.14	C	0.044	0.05	0.08-0.28	C	0.176	0.04	2.54-4.72	P	3.634	1.02	0.00-0.11	C	0.012	0.01	27

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PARTICIPANT STATISTICS **FIRST QUADRIMESTER 2010**

CARDIAC MARKERS / ISOENZYMES

	Specimen 1		Specimen 2		Specimen 3		Specimen 4		Specimen 5	
CK-2 (CK-MB)	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated
Biosite TriageCardiac Panel	1		1		1		1			1
LifeSign MI	1		1		1		1			1
Nanogen Cardiac STATus	5		5		5		5			5
Total Population	7	0	7	0	7	0	7	0	0	7
Flagging		*****		*****		*****		*****	*****	

	Specimen 1		Specimen 2		Specimen 3		Specimen 4		Specimen 5	
Myoglobin, qualitative	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated
LifeSign MI 668		1	1			1		1	1	
Nanogen Cardiac STATus 710		4	3	1		4		4	4	
Roche Cardiac Reader 822		1	1			1		1	1	
Total Population	0	7	6	1	1	6	0	7	7	0
Flagging	*****			*****	*****		*****			*****

	Specimen 1		Specimen 2		Specimen 3		Specimen 4		Specimen 5	
Troponin I	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated
Abbott i-STAT	1			1		1	1			1
J&J Vitros ECi luminometric	1		1		1		1			1
LifeSign MI	1			1	1		1			1
Nanogen Cardiac STATus	4		1	3	4		4			4
Tosoh AIA Pack fluorometric	1		1		1		1			1
Total Population	8	0	3	5	7	1	8	0	0	8
Flagging		*****				*****		*****	*****	

Due to a lack of participant consensus, Specimen 2 was not graded this event.

	Specimen 1		Specimen 2		Specimen 3		Specimen 4		Specimen 5	
Troponin T	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated	Elevated	Unelevated
Roche CARDIAC T	3			3	1	2	3			3
Roche Trop T Sensitive	2			2		2	2			2
Total Population	5	0	0	5	1	4	5	0	0	5
Flagging		*****	*****		*****			*****	*****	

Correct responses are defined as those reflecting agreement among 80% or more of all participants.
Unacceptable responses are indicated by "****" on the Flagging line of each specimen.