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

PARTICIPANT STATISTICS

DIRECT BILIRUBIN

Chemistry Q1 2010

		Specimen 1				Specimen 2				
Name	Line No.	Range & Type		Mean	SD	Range & Type		Mean	SD	No. Labs
Bilirubin, Direct										
Initial Grouping by Reagent and Instrument										
Alfa Wassermann & Alfa Wasser ACE/Centr/Alera	1	9.4-14.1	P	11.75	0.5	1.0-1.8	C	1.42	0.1	43
Beckman & Beckman Synchron CX4/CX5	2	5.7-8.6	P	7.13	0.2	0.1-0.9	C	0.52	0.1	19
Beckman & Beckman Synchron CX3/7/9/L	3	5.7-8.5	P	7.10	0.1	0.1-0.9	C	0.50	0.0	25
Beckman & Beckman Unicel DXC series	4	5.6-8.5	P	7.04	0.2	0.1-0.9	C	0.54	0.0	49
Carolina & Beckman Synchron CX3/7/9/L	5	6.1-9.2	P	7.68	0.3	0.1-0.9	C	0.48	0.0	13
J&J Vitros DBIL & J&J Vitros not DT or ECi	6	9.2-13.8	P	11.48	0.5	0.0-0.6	C	0.20	0.0	57
J&J Vitros DBIL & J&J Vitros 5,1 FS	7	8.4-12.6	P	10.53	2.1	0.0-0.5	C	0.13	0.1	16
Beckman Olympus & Beck Oly AU 400/600/5400	8	9.7-14.5	P	12.11	1.6	0.8-1.6	C	1.22	0.1	40
Roche acid diazo & Roche Cobas Integra	9	7.0-10.6	P	8.79	0.2	0.4-1.2	C	0.80	0.0	17
Siemens ADVIA DBIL_2 & Siemens Advia series	10	6.6-9.9	P	8.28	0.3	0.3-1.1	C	0.67	0.1	11
Siemens Dimension DBI & Siemens Dimension series	11	6.8-10.2	P	8.48	0.3	0.1-0.9	C	0.48	0.0	58
Siemens Dimension DBI & Siemens Dimension EXL	12	7.0-10.5	P	8.76	0.1	0.1-0.9	C	0.47	0.0	11
Siemens Dimension DBI & Siemens Dimension Xpand	13	6.9-10.4	P	8.64	0.3	0.1-0.9	C	0.50	0.0	49
Siemens Dimension DBIL & Siemens Dimension Rxl	14	6.7-10.0	P	8.35	0.4	0.1-0.9	C	0.46	0.1	12
Siemens Dimension DBIL & Siemens Dimension Xpand	15	6.9-10.3	P	8.58	0.3	0.1-0.9	C	0.48	0.1	20
Initial Grouping by Reagent										
Alfa Wassermann	16	9.2-13.8	P	11.50	1.2	1.1-1.9	C	1.54	0.9	43
Beckman	17	5.7-8.5	P	7.08	0.2	0.1-0.9	C	0.53	0.0	101
Carolina	18	6.3-9.4	P	7.86	0.5	0.1-0.9	C	0.48	0.1	18
DCL/Genzyme - SL	19	7.0-10.5	P	8.76	0.8	0.3-1.1	C	0.67	0.1	15
J&J Vitros DBIL	20	8.7-13.1	P	10.91	1.7	0.0-0.6	C	0.16	0.1	80
Beckman Olympus	21	9.6-14.4	P	12.01	1.5	0.8-1.6	C	1.22	0.1	45
Roche acid diazo	22	7.2-10.8	P	8.96	0.5	0.3-1.1	C	0.70	0.1	28
Siemens ADVIA DBIL_2	23	6.6-9.9	P	8.28	0.3	0.3-1.1	C	0.67	0.1	11
Siemens Dimension DBI	24	6.7-10.0	P	8.35	1.2	0.2-1.0	C	0.61	1.0	127
Siemens Dimension DBIL	25	6.8-10.1	P	8.45	0.3	0.1-0.9	C	0.47	0.1	44
Initial Grouping by Sensitivity or Principle										
Acid diazo methods	26	7.3-10.9	P	9.10	2.2	0.2-1.0	C	0.64	0.7	485
Diazonium ion methods	27	8.3-12.4	P	10.32	2.2	0.5-1.3	C	0.94	0.4	86
Abbott methods	28	8.6-12.9	P	10.71	0.9	0.5-1.3	C	0.87	0.3	10
Total Population										
Whole Population	29	7.3-10.9	P	9.11	1.7	0.2-1.0	C	0.58	0.1	600

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Bilirubin, Neonatal										
Initial Grouping by Reagent										
J&J Vitros neonatal	1	16.2-24.2	P	20.19	0.8	2.8-4.2	P	3.46	0.2	13
Siemens Dimension	2	13.4-20.1	P	16.77	0.5	2.8-4.2	P	3.46	0.1	11
Initial Grouping by Sensitivity or Principle										
Diazo/caffeine-benzoate	3	12.9-19.4	P	16.14	2.3	2.8-4.2	P	3.51	0.2	16
Direct spectrophotometric	4	16.2-24.2	P	20.19	0.8	2.8-4.2	P	3.46	0.2	13
Total Population										
Whole Population	5	14.5-21.7	P	18.09	1.9	2.8-4.2	P	3.48	0.3	60