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

PARTICIPANT STATISTICS

THERAPEUTIC DRUG

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
Acetaminophen																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	14-23	P	18.2	1	24-41	P	32.7	3	95-159	P	126.8	8	31-52	P	41.7	3	0-4	C	1.1	0	12
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	2	11-19	P	15.1	2	22-37	P	29.7	2	94-156	P	125.1	5	28-47	P	37.9	3	3-8	C	5.8	5	22
J&J Vitros spectrophot & J&J Vitros not DT or ECi	3	13-22	P	17.5	1	27-45	P	35.8	1	86-143	P	114.2	2	32-53	P	42.5	1	3-8	C	5.1	2	19
J&J Vitros spectrophot & J&J Vitros 5,1 FS	4	13-22	P	17.6	1	27-45	P	35.7	0	86-143	P	114.5	1	32-52	P	42.0	0	8-12	P	10.0	0	10
Siemens Emit,Dimension Flex & Siemens Dimension series	5	14-23	P	18.4	1	24-40	P	32.2	1	87-145	P	116.2	2	29-49	P	38.8	1	3-8	C	6.0	1	20
Siemens Emit,Dimension Flex & Siemens Dimension Xpand	6	14-23	P	18.6	1	24-40	P	31.7	1	87-145	P	116.1	2	29-48	P	38.8	1	3-8	C	5.7	1	28
Initial Grouping by Reagent																						
Abbott FPIA	7	14-23	P	18.2	1	24-41	P	32.7	3	95-159	P	126.8	8	31-52	P	41.7	3	0-4	C	1.1	1	12
Beckman Synchron CX Petinia	8	11-18	P	14.8	1	23-38	P	30.4	2	95-158	P	126.2	3	29-48	P	38.3	1	6-12	C	9.0	3	11
Beckman Synchron other spec	9	10-17	P	13.8	1	22-36	P	28.8	2	93-155	P	124.2	4	29-48	P	38.4	2	3-8	C	5.2	4	10
Beckman Synch LX,UniCel DxC	10	15-25	P	20.2	28	22-37	P	29.4	3	94-156	P	124.9	5	28-47	P	37.7	3	2-8	C	5.0	5	23
J&J Vitros spectrophot	11	13-22	P	17.6	1	27-45	P	35.8	1	86-143	P	114.5	2	32-53	P	42.3	1	4-9	C	6.8	3	39
Siemens Petinia	12	14-23	P	18.1	1	24-40	P	31.7	1	86-144	P	115.0	2	29-48	P	38.3	1	3-8	C	5.6	1	16
Siemens other spectro	13	14-23	P	18.2	1	24-39	P	31.4	1	86-144	P	115.2	2	29-48	P	38.5	1	3-8	C	5.5	1	21
Siemens Emit,Dimension Flex	14	14-24	P	18.8	2	24-40	P	31.7	2	87-145	P	116.0	2	29-49	P	38.9	1	3-8	C	5.9	1	58
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	15	14-23	P	18.6	2	24-39	P	31.5	2	87-145	P	116.2	3	29-48	P	38.8	2	3-8	C	5.8	2	64
Fluorescence polariz (FPIA)	16	12-21	P	16.5	3	23-38	P	30.7	4	90-151	P	120.6	13	29-49	P	39.2	5	0-3	C	0.8	1	16
Turbidimetric/PETINIA	17	13-22	P	17.7	19	23-38	P	30.5	3	92-152	P	122.0	7	29-48	P	38.3	3	3-8	C	5.6	4	51
Other spectrophotometric	18	14-23	P	18.7	12	27-45	P	36.2	24	94-156	P	124.8	74	33-55	P	43.8	28	4-9	C	6.4	4	72
Total Population																						
Whole Population	19	13-22	P	17.3	2	24-40	P	32.0	3	88-147	P	117.9	6	29-49	P	39.3	3	3-8	C	5.4	1	213

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PARTICIPANT STATISTICS

THERAPEUTIC DRUG

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
Carbamazepine																						
Initial Grouping by Reagent and Instrument																						
Abbott ADx/TDx series & Abbott AxSYM	1	10.8-17.9	P	14.35	0.9	3.4-5.6	P	4.48	0.4	5.5-9.1	P	7.31	0.3	7.5-12.4	P	9.94	0.7	2.4-4.1	P	3.25	0.3	12
Beckman Unicel DXC series & Beckman Unicel DXC series	2	11.8-19.7	P	15.73	0.9	3.4-5.6	P	4.48	0.2	6.1-10.2	P	8.15	0.3	8.2-13.8	P	11.00	0.4	2.4-4.0	P	3.22	0.2	14
Siemens Dimension series & Siemens Dimension series	3	11.7-19.4	P	15.55	0.4	3.3-5.5	P	4.39	0.2	5.9-9.9	P	7.91	0.3	7.9-13.2	P	10.59	0.3	2.5-4.1	P	3.30	0.2	11
Initial Grouping by Instrument																						
Abbott ADx/TDx series	4	10.8-18.0	P	14.40	0.8	3.4-5.6	P	4.51	0.4	5.5-9.1	P	7.29	0.3	7.4-12.4	P	9.90	0.7	2.5-4.1	P	3.29	0.3	13
Beckman Synchron CX4/CX5	5	11.9-19.8	P	15.83	0.9	3.4-5.8	P	4.60	0.1	6.2-10.3	P	8.21	0.4	8.1-13.5	P	10.78	0.9	2.5-4.1	P	3.29	0.2	10
Beckman Unicel DXC series	6	11.8-19.7	P	15.73	0.9	3.4-5.6	P	4.48	0.2	6.1-10.2	P	8.15	0.3	8.2-13.8	P	11.00	0.4	2.4-4.0	P	3.22	0.2	14
Siemens Dimension series	7	11.7-19.6	P	15.66	0.5	3.3-5.5	P	4.41	0.2	5.9-9.9	P	7.89	0.3	8.0-13.3	P	10.66	0.4	2.5-4.1	P	3.30	0.2	27
Siemens Immulite/Immul 1000	8	12.0-20.0	P	15.99	0.6	3.5-5.8	P	4.62	0.4	6.2-10.3	P	8.25	0.5	8.3-13.8	P	11.04	0.4	2.5-4.2	P	3.37	0.3	11
Initial Grouping by Sensitivity or Principle																						
Specific instrumen bypassed	9	11.7-19.4	P	15.54	0.5	3.4-5.6	P	4.51	0.2	5.9-9.9	P	7.92	0.3	8.1-13.5	P	10.77	0.4	2.5-4.2	P	3.35	0.2	18
Total Population																						
Whole Population	10	11.7-19.6	P	15.66	1.3	3.3-5.6	P	4.45	0.4	5.9-9.9	P	7.88	0.6	8.0-13.3	P	10.63	0.8	2.5-4.1	P	3.30	0.3	210

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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
Digoxin																						
Initial Grouping by Reagent and Instrument																						
Abbott MEIA fluorometric & Abbott AxSYM	1	1.2-1.7	P	1.46	0.2	1.0-1.5	P	1.22	0.2	2.2-3.2	P	2.70	0.4	1.3-1.9	P	1.58	0.2	0.5-0.9	C	0.71	0.1	20
Beckman Access luminometric & Beckman Access luminometer	2	1.2-1.7	P	1.45	0.1	1.1-1.6	P	1.34	0.1	2.0-3.1	P	2.55	0.1	1.3-1.9	P	1.60	0.1	0.7-1.1	C	0.92	0.1	28
Beckman Synchron CX DIGN & Beckman Synchron CX4/CX5	3	1.0-1.5	P	1.21	0.1	0.8-1.2	C	0.97	0.1	2.0-3.0	P	2.47	0.2	1.0-1.6	P	1.31	0.2	0.4-0.8	C	0.56	0.2	10
Beckman Synchron CX DIGN & Beckman Unicel DXC series	4	1.0-1.5	P	1.27	0.1	0.8-1.2	P	1.03	0.1	2.1-3.1	P	2.56	0.1	1.1-1.7	P	1.41	0.1	0.4-0.8	C	0.57	0.1	17
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	5	1.0-1.5	P	1.24	0.1	0.8-1.2	P	1.02	0.1	2.0-3.1	P	2.55	0.1	1.1-1.6	P	1.35	0.1	0.3-0.7	C	0.53	0.1	22
J&J Vitros spectrophot & J&J Vitros not DT or ECi	6	1.0-1.5	P	1.25	0.2	0.8-1.2	P	1.02	0.1	2.1-3.2	P	2.63	0.2	1.1-1.7	P	1.38	0.2	0.5-0.9	C	0.67	0.1	30
J&J Vitros spectrophot & J&J Vitros 5,1 FS	7	1.0-1.5	P	1.23	0.1	0.8-1.3	P	1.06	0.1	2.1-3.2	P	2.65	0.1	1.1-1.6	P	1.37	0.1	0.5-0.9	C	0.68	0.1	12
Beckman Olympus Emit 2000 & Beck Oly AU 400/600/5400	8	1.1-1.6	P	1.32	0.1	0.9-1.4	P	1.17	0.2	2.1-3.1	P	2.57	0.3	1.2-1.8	P	1.46	0.2	0.5-0.9	C	0.73	0.1	11
Siemens Dimension DGNA & Siemens Dimension series	9	1.2-1.9	P	1.55	0.1	1.0-1.5	P	1.29	0.1	2.3-3.5	P	2.91	0.1	1.4-2.1	P	1.72	0.1	0.6-1.0	C	0.77	0.1	55
Siemens Dimension DGNA & Siemens Dimension EXL	10	1.2-1.9	P	1.54	0.1	1.1-1.6	P	1.33	0.1	2.3-3.5	P	2.93	0.1	1.4-2.1	P	1.74	0.1	0.6-1.0	C	0.78	0.1	14
Siemens Dimension DGNA & Siemens Dimension Xpand	11	1.2-1.8	P	1.54	0.1	1.0-1.6	P	1.30	0.1	2.4-3.5	P	2.94	0.1	1.4-2.1	P	1.72	0.1	0.6-1.0	C	0.76	0.1	51
Siemens Immulite & Siemens Immulite/Immul 1000	12	1.4-2.2	P	1.80	0.1	1.2-1.8	P	1.53	0.0	2.8-4.1	P	3.45	0.1	1.6-2.4	P	1.99	0.1	0.7-1.1	C	0.91	0.1	12
Siemens Immulite & Siemens Immulite 2000	13	1.4-2.1	P	1.78	0.1	1.2-1.9	P	1.54	0.1	2.7-4.0	P	3.37	0.2	1.6-2.4	P	1.96	0.1	0.7-1.1	C	0.94	0.1	14
Initial Grouping by Reagent																						
Abbott MEIA fluorometric	14	1.2-1.7	P	1.44	0.2	1.0-1.5	P	1.21	0.2	2.2-3.2	P	2.70	0.4	1.3-1.9	P	1.59	0.2	0.5-0.9	C	0.70	0.1	23
Beckman Access luminometric	15	1.2-1.7	P	1.45	0.1	1.1-1.6	P	1.34	0.1	2.0-3.1	P	2.54	0.2	1.3-1.9	P	1.59	0.1	0.7-1.1	C	0.93	0.1	31
Beckman Synchron CX DIGN	16	1.0-1.5	P	1.24	0.1	0.8-1.2	C	0.99	0.1	2.0-3.0	P	2.52	0.2	1.1-1.6	P	1.36	0.1	0.3-0.7	C	0.55	0.1	40
Beckman Synch LX,UniCel DxC	17	1.0-1.4	P	1.19	0.3	0.8-1.2	P	1.02	0.1	2.0-3.0	P	2.53	0.1	1.1-1.6	P	1.34	0.1	0.3-0.7	C	0.53	0.1	25
J&J Vitros spectrophot	18	1.0-1.5	P	1.23	0.1	0.8-1.3	P	1.04	0.1	2.1-3.1	P	2.62	0.2	1.1-1.6	P	1.37	0.2	0.5-0.9	C	0.68	0.2	51
Beckman Olympus Emit 2000	19	1.1-1.6	P	1.32	0.1	0.9-1.4	P	1.18	0.2	2.1-3.1	P	2.59	0.3	1.2-1.8	P	1.47	0.2	0.5-0.9	C	0.73	0.1	12
Roche Cobas TDM-OnLine/KIMS	20	1.1-1.6	P	1.34	0.1	0.9-1.4	P	1.17	0.1	2.1-3.1	P	2.60	0.1	1.2-1.8	P	1.52	0.1	0.5-0.9	C	0.73	0.1	12
Siemens Centaur	21	1.1-1.6	P	1.35	0.1	0.9-1.4	P	1.17	0.1	2.0-3.0	P	2.52	0.2	1.2-1.8	P	1.53	0.1	0.4-0.9	C	0.65	0.1	10
Siemens Dimension DGNA	22	1.2-1.9	P	1.54	0.1	1.0-1.6	P	1.30	0.1	2.3-3.5	P	2.93	0.1	1.4-2.1	P	1.72	0.1	0.6-1.0	C	0.77	0.1	130
Siemens Immulite	23	1.4-2.1	P	1.78	0.1	1.2-1.8	P	1.54	0.1	2.7-4.1	P	3.40	0.2	1.6-2.4	P	1.97	0.1	0.7-1.1	C	0.92	0.1	27
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	24	1.0-1.6	P	1.31	0.1	0.9-1.4	P	1.16	0.2	2.0-3.1	P	2.56	0.3	1.2-1.7	P	1.45	0.2	0.5-0.9	C	0.72	0.1	14
Immunofluorometric-not FPIA	25	1.2-1.8	P	1.50	0.2	1.0-1.5	P	1.23	0.1	2.3-3.4	P	2.82	0.4	1.3-2.0	P	1.63	0.2	0.5-0.9	C	0.74	0.1	36
Luminometric/CLIA	26	1.3-1.9	P	1.57	0.2	1.1-1.7	P	1.38	0.2	2.3-3.5	P	2.91	0.5	1.6-2.4	P	1.96	2.0	0.7-1.1	C	0.86	0.1	76
Turbidimetric/PETINIA	27	1.0-1.5	P	1.24	0.2	0.8-1.3	P	1.04	0.1	2.0-3.0	P	2.53	0.2	1.1-1.7	P	1.38	0.2	0.4-0.8	C	0.58	0.1	83
Other spectrophotometric	28	1.2-1.7	P	1.46	0.2	1.0-1.5	P	1.23	0.2	2.3-3.4	P	2.84	0.2	1.3-1.9	P	1.62	0.2	0.5-0.9	C	0.75	0.1	189
Total Population																						
Whole Population	29	1.1-1.7	P	1.44	0.2	1.0-1.5	P	1.22	0.2	2.2-3.3	P	2.77	0.3	1.3-1.9	P	1.59	0.2	0.5-0.9	C	0.73	0.1	413

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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
Gentamicin																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	0.8-1.4	P	1.09	0.1	6.4-10.6	P	8.50	0.5	2.1-3.5	P	2.79	0.2	3.0-4.9	P	3.96	0.2	7.9-13.1	P	10.48	1.0	16
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	2	1.0-1.6	P	1.28	0.2	7.7-12.8	P	10.27	0.4	2.5-4.2	P	3.36	0.2	3.5-5.8	P	4.63	0.2	9.1-15.1	P	12.08	0.8	21
J&J Vitros spectrophot & J&J Vitros 5,1 FS	3	1.0-1.7	P	1.32	0.2	6.6-11.0	P	8.83	0.4	2.5-4.2	P	3.39	0.3	3.4-5.7	P	4.56	0.4	8.8-14.6	P	11.72	2.0	10
Initial Grouping by Reagent																						
Abbott FPIA	4	0.8-1.4	P	1.10	0.1	6.4-10.6	P	8.47	0.6	2.1-3.5	P	2.79	0.2	3.0-4.9	P	3.96	0.2	7.9-13.1	P	10.48	1.1	18
Beckman Synchron other spec	5	1.0-1.7	P	1.37	0.3	7.6-12.8	P	10.20	0.3	2.5-4.2	P	3.39	0.2	3.4-5.7	P	4.58	0.3	9.2-15.4	P	12.30	1.1	10
Beckman Synch LX,UniCel DxC	6	0.9-1.5	P	1.22	0.3	7.7-12.8	P	10.27	0.4	2.5-4.2	P	3.34	0.2	3.5-5.8	P	4.61	0.2	9.0-15.1	P	12.06	0.8	22
J&J Vitros spectrophot	7	1.0-1.6	P	1.31	0.1	6.7-11.2	P	8.93	0.5	2.5-4.2	P	3.35	0.3	3.4-5.7	P	4.53	0.4	8.8-14.6	P	11.67	1.9	13
Siemens Petinia	8	0.8-1.3	P	1.05	0.1	6.8-11.3	P	9.00	0.2	2.2-3.7	P	2.94	0.1	3.1-5.1	P	4.10	0.1	8.4-14.0	P	11.22	0.3	22
Siemens Emit,Dimension Flex	9	0.8-1.3	P	1.08	0.1	6.7-11.2	P	8.98	0.2	2.2-3.6	P	2.91	0.1	3.1-5.1	P	4.09	0.1	8.4-14.0	P	11.17	0.3	17
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	10	0.9-1.4	P	1.14	0.2	6.7-11.2	P	8.92	0.6	2.3-3.8	P	3.01	0.3	3.2-5.3	P	4.21	0.3	8.1-13.6	P	10.85	1.0	21
Fluorescence polariz (FPIA)	11	0.8-1.4	P	1.13	0.2	6.4-10.6	P	8.48	0.6	2.2-3.6	P	2.87	0.4	3.0-5.1	P	4.07	0.5	8.2-13.7	P	10.92	2.2	21
Turbidimetric/PETINIA	12	0.9-1.4	P	1.14	0.3	7.3-12.2	P	9.74	0.8	2.4-3.9	P	3.14	0.3	3.3-5.5	P	4.39	0.3	8.7-14.5	P	11.60	0.8	58
Other spectrophotometric	13	1.0-1.6	P	1.32	0.2	7.1-11.8	P	9.44	0.7	2.5-4.2	P	3.34	0.3	3.4-5.6	P	4.52	0.3	8.9-14.8	P	11.87	1.5	25
Total Population																						
Whole Population	14	0.9-1.5	P	1.16	0.2	7.0-11.7	P	9.32	0.8	2.3-3.9	P	3.11	0.3	3.2-5.4	P	4.31	0.4	8.5-14.2	P	11.34	1.1	130

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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
Lithium																						
Initial Grouping by Reagent and Instrument																						
J&J Vitros spectrophot & J&J Vitros not DT or ECi	1	0.5-1.1	C	0.76	0.1	1.2-1.8	C	1.49	0.2	0.0-0.5	C	0.20	0.0	0.5-1.2	C	0.85	0.1	1.6-2.5	P	2.05	0.1	14
Siemens Dimension color & Siemens Dimension series	2	0.7-1.3	C	1.01	0.0	1.6-2.4	P	1.99	0.1	0.0-0.5	C	0.18	0.0	0.9-1.5	C	1.21	0.0	2.1-3.2	P	2.64	0.1	14
Initial Grouping by Reagent																						
J&J Vitros spectrophot	3	0.5-1.1	C	0.75	0.1	1.2-1.8	C	1.49	0.2	0.0-0.5	C	0.20	0.0	0.5-1.2	C	0.85	0.1	1.7-2.5	P	2.10	0.2	24
Siemens Dimension color	4	0.7-1.3	C	1.02	0.0	1.6-2.4	P	2.00	0.1	0.0-0.5	C	0.18	0.0	0.9-1.5	C	1.22	0.0	2.1-3.2	P	2.65	0.1	30
Initial Grouping by Sensitivity or Principle																						
Flame-equivalent methods	5	0.8-1.4	C	1.07	0.2	1.6-2.3	P	1.96	0.2	0.0-0.5	C	0.17	0.1	0.9-1.5	C	1.21	0.1	2.1-3.2	P	2.63	0.1	47
Other, not flame equivalent	6	0.6-1.2	C	0.93	0.2	1.4-2.1	P	1.73	0.3	0.0-0.5	C	0.22	0.3	0.7-1.3	C	1.03	0.2	1.9-2.8	P	2.37	0.4	42
Total Population																						
Whole Population	7	0.7-1.3	C	1.00	0.2	1.5-2.2	P	1.87	0.2	0.0-0.5	C	0.20	0.0	0.8-1.4	C	1.14	0.2	2.0-3.0	P	2.51	0.3	97

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PARTICIPANT STATISTICS

THERAPEUTIC DRUG

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
Phenobarbital																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	26-40	P	33.0	2	23-35	P	29.2	3	58-87	P	72.2	5	31-46	P	38.4	3	12-18	P	15.1	2	18
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	2	24-37	P	30.5	1	22-33	P	27.5	1	54-80	P	67.0	3	29-43	P	35.6	1	12-18	P	15.0	1	22
Siemens Petinia & Siemens Dimension series	3	28-41	P	34.5	2	24-36	P	30.1	2	60-89	P	74.5	4	32-48	P	39.8	2	12-18	P	14.9	1	11
Initial Grouping by Reagent																						
Abbott FPIA	4	27-41	P	33.8	3	24-35	P	29.6	3	58-88	P	73.1	7	31-47	P	39.3	4	12-18	P	15.2	2	21
Beckman Synchron CX Petinia	5	25-37	P	31.1	3	22-32	P	27.0	2	53-80	P	66.4	5	28-41	P	34.5	2	12-18	P	14.8	2	12
Beckman Synchron other spec	6	24-36	P	30.2	2	22-33	P	27.7	2	53-79	P	66.2	5	28-42	P	35.3	2	12-18	P	15.0	1	11
Beckman Synch LX,UniCel DxC	7	23-35	P	28.9	6	22-33	P	27.2	1	53-80	P	66.5	4	28-43	P	35.5	1	12-18	P	14.8	1	26
J&J Vitros spectrophot	8	29-44	P	36.7	2	25-37	P	30.8	1	60-90	P	74.7	3	33-49	P	40.8	2	13-19	P	16.1	1	18
Siemens Petinia	9	28-41	P	34.5	2	24-36	P	30.1	1	60-90	P	74.8	3	32-48	P	39.7	2	12-18	P	15.0	1	22
Siemens Emit,Dimension Flex	10	28-41	P	34.5	1	24-36	P	29.9	1	59-89	P	74.1	4	31-47	P	39.1	2	12-18	P	14.9	1	16
Siemens Immulite	11	26-40	P	33.0	3	23-34	P	28.2	2	58-87	P	72.4	3	30-45	P	37.9	3	12-18	P	14.6	1	10
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	12	28-42	P	34.7	1	24-36	P	30.1	1	59-89	P	73.8	5	31-47	P	39.4	2	12-18	P	14.8	1	25
Fluorescence polariz (FPIA)	13	27-40	P	33.6	2	23-34	P	28.5	5	56-84	P	70.0	13	31-46	P	38.3	5	12-18	P	14.8	2	26
Luminometric/CLIA	14	27-41	P	34.1	3	23-35	P	29.1	2	58-87	P	72.5	3	31-46	P	38.6	3	12-18	P	15.0	1	14
Turbidimetric/PETINIA	15	25-37	P	31.1	6	23-34	P	28.5	2	56-84	P	69.6	6	30-45	P	37.1	3	12-18	P	14.9	1	64
Other spectrophotometric	16	27-40	P	33.7	4	24-35	P	29.5	2	57-85	P	71.0	6	31-47	P	38.8	4	12-18	P	15.1	2	38
Total Population																						
Whole Population	17	27-40	P	33.3	3	23-35	P	29.1	2	57-85	P	71.0	6	31-46	P	38.2	3	12-18	P	15.0	1	174

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PARTICIPANT STATISTICS

THERAPEUTIC DRUG

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
Phenytoin																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	22-38	P	30.0	1	6-10	P	8.4	0	11-18	P	14.6	1	15-25	P	20.2	1	4-8	P	6.0	0	28
Beckman Synchron CX Petinia & Beckman Unicel DXC series	2	22-37	P	29.8	3	6-10	P	8.2	1	11-18	P	14.5	1	15-25	P	19.8	2	5-8	P	6.1	1	12
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	3	23-38	P	30.2	2	6-10	P	8.1	0	11-18	P	14.7	1	15-25	P	20.1	1	4-8	P	6.0	0	29
J&J Vitros spectrophot & J&J Vitros not DT or ECi	4	24-39	P	31.4	2	6-10	P	8.0	1	10-17	P	13.6	1	15-26	P	20.5	1	4-7	P	5.9	1	23
J&J Vitros spectrophot & J&J Vitros 5,1 FS	5	22-37	P	29.6	2	6-10	P	7.6	1	10-17	P	13.7	1	14-23	P	18.6	1	4-6	P	5.2	1	13
Beckman Olympus Emit 2000 & Beck Oly AU 400/600/5400	6	22-37	P	29.7	3	6-10	P	8.1	1	10-17	P	13.8	1	15-25	P	19.8	1	4-8	P	6.0	0	11
Siemens Petinia & Siemens Dimension series	7	24-41	P	32.6	1	7-11	P	9.1	0	12-20	P	15.8	1	16-27	P	21.6	1	5-8	P	6.2	0	22
Siemens Petinia & Siemens Dimension Xpand	8	24-40	P	32.2	2	6-11	P	8.6	1	12-20	P	15.9	1	16-27	P	21.8	1	5-8	P	6.2	1	16
Siemens Emit,Dimension Flex & Siemens Dimension series	9	25-41	P	32.9	2	7-11	P	9.0	0	12-20	P	15.9	1	16-27	P	21.7	1	5-8	P	6.1	1	21
Siemens Emit,Dimension Flex & Siemens Dimension Xpand	10	25-42	P	33.2	1	6-11	P	8.6	1	12-20	P	16.3	1	17-28	P	22.2	1	5-8	P	6.2	1	21
Siemens Immulite & Siemens Immulite 2000	11	23-38	P	30.6	2	6-10	P	8.4	1	11-18	P	14.8	1	16-26	P	20.8	2	5-8	P	6.2	0	13
Initial Grouping by Reagent																						
Abbott FPIA	12	22-38	P	30.0	2	6-10	P	8.4	0	11-18	P	14.6	1	15-25	P	20.1	1	6-10	P	8.1	11	30
Beckman Synchron CX Petinia	13	22-37	P	29.6	3	6-10	P	8.1	1	11-18	P	14.3	1	15-25	P	19.7	1	4-7	P	5.9	1	24
Beckman Synchron other spec	14	22-37	P	29.5	2	6-10	P	7.8	0	11-18	P	14.6	1	15-25	P	19.8	1	4-7	P	5.9	0	16
Beckman Synch LX,UniCel DxC	15	22-36	P	29.2	5	6-10	P	8.1	0	11-18	P	14.6	1	15-25	P	20.0	1	4-8	P	6.0	0	33
J&J Vitros spectrophot	16	23-38	P	30.7	2	6-10	P	8.0	1	10-17	P	13.7	1	15-25	P	19.7	3	5-9	P	6.9	8	43
Beckman Olympus Emit 2000	17	23-38	P	30.1	3	6-10	P	8.1	1	10-18	P	14.0	1	15-25	P	20.2	2	4-8	P	6.0	0	12
Siemens Petinia	18	24-41	P	32.6	2	8-13	P	10.3	12	12-20	P	15.9	1	16-27	P	21.8	1	5-8	P	6.2	0	48
Siemens Emit,Dimension Flex	19	26-43	P	34.1	7	8-13	P	10.6	11	12-20	P	16.2	1	17-28	P	22.0	1	5-8	P	6.2	1	53
Siemens Immulite	20	23-39	P	31.0	2	6-10	P	8.4	1	11-18	P	14.6	1	16-26	P	21.0	2	5-8	P	6.4	1	20
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	21	25-42	P	33.2	7	8-13	P	10.1	10	12-20	P	15.7	1	16-27	P	21.7	1	5-8	P	6.2	1	69
Fluorescence polariz (FPIA)	22	23-38	P	30.0	2	6-11	P	8.5	1	11-18	P	14.7	1	15-25	P	20.2	1	6-10	P	8.1	10	36
Luminometric/CLIA	23	24-41	P	32.6	3	7-11	P	8.8	1	11-19	P	15.3	2	16-28	P	22.0	2	5-8	P	6.5	1	28
Turbidimetric/PETINIA	24	23-38	P	30.6	5	7-11	P	9.1	8	11-19	P	15.2	1	16-26	P	20.8	2	5-8	P	6.1	1	112
Other spectrophotometric	25	23-38	P	30.5	3	7-11	P	9.0	8	11-18	P	14.2	1	15-25	P	19.9	2	5-8	P	6.5	6	77
Total Population																						
Whole Population	26	23-39	P	31.2	3	6-10	P	8.3	1	11-19	P	15.0	1	16-26	P	20.8	2	5-8	P	6.1	1	331

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PARTICIPANT STATISTICS

THERAPEUTIC DRUG

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
Primidone																						
Total Population																						
Whole Population	1	0.1-0.1	P	0.10	0.0	9.1-15.2	P	12.20	0.0	12.7-21.1	P	16.90	0.0	6.9-11.5	P	9.20	0.0	7.9-13.2	P	10.60	0.0	1

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THERAPEUTIC DRUG

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
Procainamide																						
Total Population																						
Whole Population	1	0.4-0.8	P	0.60	0.0	9.1-15.2	P	12.20	0.0	3.3-5.5	P	4.40	0.0	8.6-14.2	P	11.40	0.0	6.5-10.9	P	8.70	0.0	1

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PARTICIPANT STATISTICS

THERAPEUTIC DRUG

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
Quinidine																						
Total Population																						
Whole Population	1	1.9-3.2	P	2.57	1.8	4.8-7.9	P	6.33	0.9	1.0-1.7	P	1.37	0.2	3.1-5.2	P	4.17	0.4	5.8-9.6	P	7.70	0.6	3

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THERAPEUTIC DRUG

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
Salicylates - mg/dL																						
Initial Grouping by Reagent and Instrument																						
Beckman Synchron other spec & Beckman Unicel DXC series	1	10-17	P	13.9	1	11-19	P	15.3	1	28-46	P	36.7	1	14-23	P	18.1	1	6-10	P	7.8	1	16
J&J Vitros & J&J Vitros not DT or ECi	2	12-19	P	15.5	1	12-20	P	15.8	1	26-43	P	34.1	1	14-24	P	19.2	0	6-10	P	8.4	1	13
J&J Vitros & J&J Vitros 5,1 FS	3	12-19	P	15.5	1	12-20	P	15.7	0	25-42	P	33.5	1	14-23	P	18.6	1	7-11	P	8.7	0	10
Siemens Dimension ser & Siemens Dimension series	4	12-21	P	16.6	0	9-14	P	11.4	0	29-48	P	38.2	0	14-23	P	18.7	1	2-3	P	2.2	1	14
Siemens Dimension ser & Siemens Dimension EXL	5	12-21	P	16.5	1	8-14	P	11.2	0	29-48	P	38.1	1	14-23	P	18.4	1	2-2	P	2.0	0	11
Siemens Dimension ser & Siemens Dimension Xpand	6	12-21	P	16.4	1	8-14	P	11.1	1	29-48	P	38.1	1	14-23	P	18.4	1	2-2	P	2.0	0	27
Initial Grouping by Reagent																						
Beckman Synchron CX	7	10-17	P	13.6	1	11-19	P	15.3	1	27-46	P	36.6	2	14-22	P	18.0	1	6-10	P	7.9	1	11
Beckman Synchron other spec	8	10-18	P	14.0	1	11-19	P	15.3	1	28-46	P	36.9	2	14-23	P	18.2	1	6-10	P	8.0	1	22
J&J Vitros	9	12-19	P	15.5	1	12-20	P	15.7	1	25-42	P	33.8	1	14-24	P	18.8	1	6-11	P	8.4	1	30
Siemens Dimension ser	10	12-20	P	16.4	1	8-14	P	11.2	1	29-48	P	38.2	1	14-23	P	18.5	1	2-3	P	2.1	1	59
Siemens Trinder Spect.	11	13-21	P	16.7	1	8-14	P	11.1	0	29-48	P	38.5	1	14-23	P	18.4	1	1-2	P	1.9	0	14
Initial Grouping by Sensitivity or Principle																						
Turbidimetric/PETINIA	12	10-17	P	13.6	1	11-19	P	15.3	1	27-46	P	36.6	2	14-22	P	18.0	1	6-10	P	7.9	1	11
Other spectrophotometric	13	12-20	P	15.7	2	10-16	P	12.9	2	28-46	P	36.8	3	14-23	P	18.3	1	4-6	P	4.7	3	129
Total Population																						
Whole Population	14	12-19	P	15.4	1	10-17	P	13.3	2	28-46	P	36.8	2	14-23	P	18.3	1	6-10	P	7.7	1	174

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PARTICIPANT STATISTICS

THERAPEUTIC DRUG

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
Salicylates - mg/L																						
Total Population																						
Whole Population	1	85-141	P	112.8	51	87-145	P	116.1	53	217-361	P	289.2	128	109-181	P	145.0	64	45-76	P	60.6	32	17

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		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
Theophyline																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	32-53	P	42.4	3	14-23	P	18.8	1	8-13	P	10.7	1	22-37	P	29.8	1	16-27	P	21.4	1	13
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	2	30-50	P	39.7	2	13-22	P	17.5	1	8-13	P	10.1	0	21-35	P	27.9	1	15-25	P	20.1	1	15
J&J Vitros spectrophot & J&J Vitros not DT or ECi	3	44-73	P	58.4	13	28-46	P	36.7	4	21-35	P	27.9	2	33-56	P	44.6	5	27-46	P	36.6	3	10
Initial Grouping by Reagent																						
Abbott FPIA	4	32-53	P	42.4	3	14-23	P	18.8	1	8-13	P	10.7	1	22-37	P	29.8	1	16-27	P	21.4	1	13
Beckman Synch LX,UniCel DxC	5	30-49	P	39.6	2	13-22	P	17.5	1	8-12	P	10.0	0	21-35	P	27.7	1	15-25	P	19.9	1	19
J&J Vitros spectrophot	6	43-71	P	57.1	14	28-47	P	37.4	3	21-35	P	27.9	2	34-56	P	44.7	5	28-47	P	37.4	3	21
Siemens Petinia	7	31-51	P	40.8	3	14-23	P	18.3	1	8-13	P	10.6	1	21-36	P	28.6	1	16-26	P	20.7	1	18
Siemens Emit,Dimension Flex	8	31-52	P	42.0	2	14-23	P	18.7	1	8-13	P	10.7	1	22-37	P	29.6	1	16-27	P	21.2	1	24
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	9	31-52	P	41.5	3	14-23	P	18.5	1	8-13	P	10.6	1	22-36	P	29.1	2	16-26	P	21.0	1	31
Fluorescence polariz (FPIA)	10	32-53	P	42.4	3	14-23	P	18.8	1	8-13	P	10.7	1	22-37	P	29.8	1	16-27	P	21.4	1	14
Turbidimetric/PETINIA	11	29-48	P	38.1	8	13-22	P	17.9	1	8-13	P	10.3	1	21-35	P	28.3	2	15-25	P	20.3	1	48
Other spectrophotometric	12	38-63	P	50.1	14	22-37	P	29.4	10	16-26	P	20.8	9	28-48	P	38.0	9	23-38	P	30.4	9	35
Total Population																						
Whole Population	13	31-51	P	40.9	3	14-23	P	18.3	2	8-13	P	10.5	1	22-37	P	29.5	3	16-26	P	20.9	2	182

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		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
Tobramycin																						
Initial Grouping by Sensitivity or Principle																						
Turbidimetric/PETINIA	1	5.3-8.8	P	7.08	1.0	3.0-5.0	P	3.97	0.7	9.3-15.5	P	12.38	1.7	5.3-8.8	P	7.03	1.1	0.9-1.4	P	1.14	0.4	11
Total Population																						
Whole Population	2	5.1-8.5	P	6.80	1.5	2.9-4.8	P	3.86	0.6	9.1-15.2	P	12.15	1.8	5.2-8.6	P	6.87	0.9	0.8-1.4	P	1.09	0.3	31

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THERAPEUTIC DRUG

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
Valproic Acid																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	28-47	P	37.6	2	74-123	P	98.5	5	96-161	P	128.5	5	55-92	P	74.0	4	66-111	P	88.5	5	21
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	2	27-45	P	36.1	3	71-118	P	94.3	3	91-152	P	121.6	4	53-88	P	70.2	3	64-107	P	85.2	3	18
J&J Vitros spectrophot & J&J Vitros 5,1 FS	3	24-40	P	32.0	3	74-123	P	98.7	6	100-167	P	133.4	10	53-88	P	70.6	4	68-113	P	90.4	6	11
Siemens Petinia & Siemens Dimension Xpand	4	28-47	P	37.8	2	72-120	P	95.7	4	94-156	P	124.9	8	55-92	P	73.6	3	65-108	P	86.2	4	12
Siemens Emit,Dimension Flex & Siemens Dimension Xpand	5	29-49	P	39.1	2	74-124	P	98.8	4	99-164	P	131.6	10	56-94	P	75.1	3	66-110	P	87.7	4	12
Initial Grouping by Reagent																						
Abbott FPIA	6	28-47	P	37.2	2	73-122	P	97.7	5	96-160	P	127.6	6	55-92	P	73.2	4	66-110	P	87.8	6	24
Beckman Synchron CX Petinia	7	28-47	P	37.5	3	71-119	P	94.8	3	92-153	P	122.2	3	53-89	P	70.8	4	64-107	P	85.8	5	12
Beckman Synchron other spec	8	28-46	P	37.1	3	69-116	P	92.6	5	91-151	P	121.0	6	53-88	P	70.2	4	62-104	P	83.2	6	13
Beckman Synch LX,UniCel DxC	9	27-45	P	36.0	4	71-118	P	94.0	4	91-152	P	121.5	5	53-88	P	70.1	4	63-106	P	84.5	4	23
J&J Vitros spectrophot	10	24-41	P	32.4	3	74-124	P	98.9	7	101-168	P	134.2	9	53-89	P	71.1	4	68-113	P	90.1	6	16
Siemens Petinia	11	28-47	P	37.7	1	72-120	P	96.1	4	95-158	P	126.8	8	55-92	P	73.5	3	65-109	P	86.9	4	28
Siemens Emit,Dimension Flex	12	29-48	P	38.2	2	72-121	P	96.5	4	96-159	P	127.4	9	55-92	P	73.8	3	65-109	P	86.9	3	27
Siemens Immulite	13	30-50	P	39.7	3	83-138	P	110.4	6	104-173	P	138.7	8	61-101	P	80.9	3	74-123	P	98.7	7	14
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	14	31-51	P	40.8	10	73-122	P	97.4	12	98-163	P	130.2	10	56-93	P	74.6	4	66-111	P	88.5	6	39
Fluorescence polariz (FPIA)	15	28-47	P	37.3	2	73-122	P	97.7	5	96-160	P	127.9	6	55-91	P	73.1	4	66-110	P	88.0	5	26
Luminometric/CLIA	16	30-49	P	39.5	3	80-133	P	106.4	9	101-169	P	135.2	9	58-97	P	77.7	6	72-120	P	95.6	8	19
Turbidimetric/PETINIA	17	28-46	P	36.7	5	71-119	P	94.8	5	92-154	P	123.0	11	54-90	P	71.9	4	64-107	P	85.8	4	71
Other spectrophotometric	18	27-44	P	35.5	5	73-121	P	97.2	7	97-162	P	129.7	11	55-91	P	72.9	10	65-109	P	87.2	7	36
Total Population																						
Whole Population	19	28-47	P	37.5	4	73-122	P	97.7	7	96-160	P	127.8	9	55-91	P	73.2	5	66-110	P	88.1	7	236

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		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
Vancomycin																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	23-38	P	30.1	1	10-16	P	12.8	1	37-62	P	49.7	3	21-34	P	27.5	1	0-4	C	2.0	1	11
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	2	23-39	P	31.1	2	9-15	P	11.9	1	41-68	P	54.7	3	21-36	P	28.5	2	2-5	C	3.6	1	15
Siemens Petinia & Siemens Dimension Xpand	3	22-36	P	29.1	1	9-15	P	12.1	0	37-61	P	48.7	2	20-34	P	26.8	1	0-2	C	1.0	0	13
Siemens Emit,Dimension Flex & Siemens Dimension series	4	22-36	P	29.1	1	9-15	P	12.0	0	37-62	P	49.5	2	20-33	P	26.6	1	0-2	C	1.0	0	11
Siemens Emit,Dimension Flex & Siemens Dimension Xpand	5	23-38	P	30.4	1	9-15	P	12.4	1	37-62	P	49.8	2	21-35	P	27.6	1	0-2	C	1.0	0	14
Initial Grouping by Reagent																						
Abbott FPIA	6	23-38	P	30.2	2	10-16	P	13.0	1	37-62	P	49.8	3	21-35	P	27.8	2	0-2	C	1.0	1	13
Beckman Synchron CX Petinia	7	23-38	P	30.7	3	9-15	P	11.8	1	39-64	P	51.5	6	21-35	P	28.0	3	2-5	C	3.1	1	13
Beckman Synchron other spec	8	24-40	P	31.8	3	9-15	P	11.9	1	39-65	P	52.2	5	22-36	P	29.0	2	2-5	C	3.8	1	12
Beckman Synch LX,UniCel DxC	9	23-39	P	31.2	2	9-15	P	11.8	1	40-66	P	53.2	6	21-35	P	28.2	2	1-4	C	2.7	2	20
J&J Vitros spectrophot	10	22-36	P	29.0	1	9-16	P	12.6	1	36-60	P	48.1	2	20-33	P	26.7	1	4-6	C	5.0	0	14
Siemens Petinia	11	22-36	P	29.2	1	9-15	P	12.0	1	36-61	P	48.5	2	20-34	P	27.0	1	0-2	C	0.4	0	27
Siemens Emit,Dimension Flex	12	22-37	P	29.7	1	9-15	P	12.2	0	37-62	P	49.5	2	20-34	P	27.1	1	0-2	C	0.3	0	35
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	13	22-36	P	29.0	3	9-16	P	12.7	2	37-61	P	48.8	3	20-34	P	27.0	1	0-2	C	0.6	1	43
Fluorescence polariz (FPIA)	14	25-41	P	32.7	4	10-17	P	13.7	1	41-68	P	54.1	7	22-38	P	30.0	3	5-8	P	6.1	16	20
Turbidimetric/PETINIA	15	22-37	P	29.6	4	9-15	P	12.0	1	39-64	P	51.4	9	21-34	P	27.5	2	0-3	C	1.4	2	67
Other spectrophotometric	16	23-39	P	30.9	3	10-16	P	12.7	2	38-63	P	50.5	8	21-36	P	28.6	3	2-5	C	3.5	2	33
Total Population																						
Whole Population	17	23-38	P	30.3	3	9-15	P	12.3	1	38-63	P	50.6	5	21-35	P	27.9	2	0-4	C	2.0	0	222