



Therapeutic Drugs

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
Acetaminophen																						
Initial Grouping by Reagent and Instrument																						
Beckman Synch LX, UniCel DxC & Beckman Unicel DXC series	1	32.0 - 53.0	P	42.6	2.9	52.0 - 87.0	P	69.5	2.7	78.0 - 130.0	P	104.0	4.1	7.0 - 12.0	C	9.7	1.1	54.0 - 91.0	P	72.4	3.0	22
J&J Vitros spectrophot & J&J Vitros not DT or ECi	2	35.0 - 59.0	P	47.1	0.9	56.0 - 93.0	P	74.4	1.3	74.0 - 123.0	P	98.7	1.6	10.0 - 16.0	P	12.7	0.5	56.0 - 94.0	P	74.9	1.1	20
J&J Vitros spectrophot & J&J Vitros 5,1 FS	3	35.0 - 58.0	P	46.3	1.3	55.0 - 92.0	P	73.8	1.8	73.0 - 122.0	P	97.9	2.4	9.0 - 16.0	P	12.6	0.8	55.0 - 92.0	P	73.8	1.9	10
Siemens Emit, Dimension Flex & Siemens Dimension EXL	4	32.0 - 53.0	P	42.5	0.7	49.0 - 82.0	P	65.6	1.4	71.0 - 119.0	P	95.1	1.8	11.0 - 19.0	P	15.2	0.9	51.0 - 85.0	P	68.1	1.2	11
Siemens Emit, Dimension Flex & Siemens Dimension ser	5	32.0 - 54.0	P	43.3	1.1	50.0 - 83.0	P	66.4	1.2	72.0 - 121.0	P	96.5	1.7	12.0 - 20.0	P	15.6	0.7	51.0 - 85.0	P	68.3	0.8	14
Siemens Emit, Dimension Flex & Siemens Dimension Xpand	6	32.0 - 54.0	P	43.3	1.5	49.0 - 82.0	P	65.9	1.3	72.0 - 120.0	P	95.6	1.7	12.0 - 19.0	P	15.4	1.0	51.0 - 85.0	P	68.3	1.5	31
Initial Grouping by Reagent																						
Beckman Synch LX, UniCel DxC	7	32.0 - 53.0	P	42.5	2.9	52.0 - 87.0	P	69.5	2.6	78.0 - 130.0	P	104.1	4.0	7.0 - 12.0	C	9.7	1.1	54.0 - 90.0	P	72.3	2.9	23
J&J Vitros spectrophot	8	35.0 - 58.0	P	46.7	1.0	56.0 - 93.0	P	74.3	1.6	74.0 - 123.0	P	98.5	1.8	10.0 - 16.0	P	12.7	0.6	56.0 - 93.0	P	74.5	1.5	37
Siemens Petinia	9	33.0 - 55.0	P	43.7	1.2	50.0 - 83.0	P	66.5	1.1	72.0 - 120.0	P	96.1	1.1	12.0 - 20.0	P	15.9	1.0	51.0 - 86.0	P	68.6	1.3	12
Siemens other spectro	10	32.0 - 54.0	P	43.3	0.9	50.0 - 83.0	P	66.6	1.5	72.0 - 120.0	P	95.8	1.2	12.0 - 20.0	P	16.0	1.2	51.0 - 86.0	P	68.6	1.1	16
Siemens Emit, Dimension Flex	11	32.0 - 54.0	P	43.1	1.3	49.0 - 82.0	P	65.9	1.4	72.0 - 120.0	P	95.7	1.8	12.0 - 19.0	P	15.4	1.0	51.0 - 85.0	P	68.3	1.2	61
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	12	32.0 - 54.0	P	42.9	1.6	49.0 - 82.0	P	65.9	1.7	72.0 - 119.0	P	95.5	3.2	11.0 - 19.0	P	15.0	1.7	51.0 - 85.0	P	68.1	2.0	70
Turbidimetric/PETINIA	13	32.0 - 53.0	P	42.6	2.5	51.0 - 85.0	P	67.9	3.4	75.0 - 126.0	P	100.4	6.9	9.0 - 14.0	P	11.4	3.0	53.0 - 88.0	P	70.4	3.8	43
Other spectrophotometric	14	33.0 - 56.0	P	44.6	2.9	53.0 - 89.0	P	70.8	4.5	73.0 - 122.0	P	97.7	3.2	10.0 - 16.0	P	13.0	2.3	54.0 - 90.0	P	71.7	3.7	64
Total Population																						
Whole Population	15	32.0 - 54.0	P	43.3	2.7	51.0 - 85.0	P	67.9	4.2	73.0 - 121.0	P	97.2	5.7	10.0 - 17.0	P	13.4	2.5	52.0 - 87.0	P	69.7	3.8	191
Carbamazepine																						
Initial Grouping by Sensitivity or Principle																						
Specific instrumen bypassed	1	7.9 - 13.2	P	10.52	0.38	4.3 - 7.1	P	5.68	0.15	7.3 - 12.2	P	9.76	0.27	4.9 - 8.2	P	6.57	0.22	6.5 - 10.8	P	8.66	0.30	13
Total Population																						
Whole Population	2	7.9 - 13.2	P	10.57	0.71	4.3 - 7.2	P	5.72	0.51	7.3 - 12.1	P	9.69	0.62	5.0 - 8.4	P	6.72	0.57	7.5 - 12.5	P	10.03	1.38	172

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs					
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD						
Digoxin																						
Initial Grouping by Reagent and Instrument																						
Beckman Access luminometric & Beckman Access luminometer	1	1.5 - 2.2	P	1.82	0.10	1.5 - 2.3	P	1.88	0.14	2.0 - 3.0	P	2.52	0.17	0.9 - 1.4	P	1.13	0.10	1.7 - 2.5	P	2.09	0.11	23
Beckman Synchron CX DIGN & Beckman Unicel DXC series	2	1.4 - 2.1	P	1.77	0.16	1.5 - 2.2	P	1.83	0.13	2.1 - 3.2	P	2.65	0.12	0.7 - 1.1	C	0.91	0.05	1.7 - 2.5	P	2.08	0.10	12
Beckman Synch LX, UniCel DxC & Beckman Unicel DXC series	3	1.4 - 2.1	P	1.71	0.10	1.5 - 2.2	P	1.83	0.10	2.1 - 3.1	P	2.62	0.12	0.7 - 1.1	C	0.88	0.09	1.6 - 2.5	P	2.05	0.10	29
J&J Vitros spectrophot & J&J Vitros not DT or ECi	4	1.3 - 2.0	P	1.65	0.15	1.4 - 2.1	P	1.76	0.16	2.0 - 3.0	P	2.50	0.21	0.7 - 1.1	C	0.89	0.20	1.6 - 2.4	P	1.97	0.15	24
J&J Vitros spectrophot & J&J Vitros 5,1 FS	5	1.3 - 2.0	P	1.63	0.12	1.4 - 2.1	P	1.75	0.17	2.1 - 3.1	P	2.58	0.19	0.7 - 1.1	C	0.94	0.14	1.6 - 2.5	P	2.04	0.13	12
Beckman Olympus Emit 2000 & Beckm Olym AU 400/600/5400	6	1.5 - 2.3	P	1.92	0.21	1.6 - 2.4	P	2.02	0.19	2.3 - 3.5	P	2.88	0.20	0.9 - 1.3	P	1.08	0.13	1.8 - 2.8	P	2.29	0.22	12
Siemens Dimension DGNA & Siemens Dimension Rxl	7	1.5 - 2.3	P	1.88	0.08	1.6 - 2.4	P	2.00	0.13	2.3 - 3.4	P	2.87	0.12	0.8 - 1.3	P	1.06	0.11	1.8 - 2.7	P	2.27	0.12	12
Siemens Dimension DGNA & Siemens Dimension EXL	8	1.5 - 2.2	P	1.85	0.07	1.6 - 2.4	P	1.96	0.07	2.2 - 3.4	P	2.81	0.09	0.8 - 1.3	P	1.06	0.09	1.8 - 2.7	P	2.26	0.10	20
Siemens Dimension DGNA & Siemens Dimension ser	9	1.5 - 2.2	P	1.87	0.06	1.6 - 2.3	P	1.95	0.07	2.3 - 3.4	P	2.84	0.10	0.8 - 1.2	P	1.02	0.08	1.8 - 2.7	P	2.25	0.09	32
Siemens Dimension DGNA & Siemens Dimension Xpand	10	1.5 - 2.2	P	1.85	0.10	1.6 - 2.4	P	1.98	0.09	2.3 - 3.4	P	2.87	0.13	0.8 - 1.2	P	1.01	0.08	1.8 - 2.7	P	2.28	0.08	52
Siemens Immulite & Siemens Immulite 2000	11	1.6 - 2.4	P	2.02	0.15	1.7 - 2.6	P	2.18	0.12	2.5 - 3.7	P	3.10	0.21	0.9 - 1.4	P	1.13	0.08	1.9 - 2.9	P	2.43	0.10	12
Initial Grouping by Reagent																						
Beckman Access luminometric	12	1.5 - 2.2	P	1.82	0.10	1.5 - 2.3	P	1.88	0.14	2.0 - 3.0	P	2.52	0.17	0.9 - 1.4	P	1.13	0.10	1.7 - 2.5	P	2.09	0.11	24
Beckman Synchron CX DIGN	13	1.4 - 2.0	P	1.70	0.16	1.4 - 2.1	P	1.78	0.13	2.1 - 3.1	P	2.62	0.12	0.7 - 1.1	C	0.88	0.09	1.6 - 2.5	P	2.04	0.11	23
Beckman Synch LX, UniCel DxC	14	1.4 - 2.0	P	1.71	0.10	1.5 - 2.2	P	1.82	0.10	2.1 - 3.1	P	2.62	0.12	0.7 - 1.1	C	0.89	0.11	1.6 - 2.5	P	2.05	0.10	30
J&J Vitros spectrophot	15	1.3 - 2.0	P	1.66	0.14	1.4 - 2.1	P	1.77	0.15	2.0 - 3.0	P	2.54	0.19	0.7 - 1.1	C	0.92	0.17	1.6 - 2.4	P	2.01	0.14	43
Beckman Olympus Emit 2000	16	1.5 - 2.3	P	1.92	0.21	1.6 - 2.4	P	2.02	0.19	2.3 - 3.5	P	2.88	0.20	0.9 - 1.3	P	1.08	0.13	1.8 - 2.8	P	2.29	0.22	12
Siemens Dimension DGNA	17	1.5 - 2.2	P	1.86	0.08	1.6 - 2.4	P	1.97	0.09	2.3 - 3.4	P	2.85	0.11	0.8 - 1.2	P	1.03	0.09	1.8 - 2.7	P	2.27	0.09	118
Siemens Immulite	18	1.7 - 2.5	P	2.06	0.16	1.8 - 2.7	P	2.23	0.19	2.6 - 3.8	P	3.20	0.28	0.9 - 1.4	P	1.16	0.12	2.0 - 3.0	P	2.50	0.18	22
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	19	1.5 - 2.3	P	1.89	0.22	1.6 - 2.4	P	1.99	0.21	2.3 - 3.4	P	2.83	0.27	0.9 - 1.3	P	1.07	0.13	1.8 - 2.7	P	2.25	0.25	13
Immunofluorometric-not FPIA	20	1.6 - 2.4	P	1.96	0.37	1.6 - 2.3	P	1.94	0.11	2.2 - 3.4	P	2.81	0.24	0.8 - 1.3	P	1.06	0.10	1.8 - 2.7	P	2.22	0.21	15
Luminometric/CLIA	21	1.5 - 2.3	P	1.93	0.17	1.6 - 2.4	P	2.04	0.22	2.3 - 3.4	P	2.87	0.39	0.9 - 1.3	P	1.11	0.12	1.8 - 2.7	P	2.29	0.24	63
Turbidimetric/PETINIA	22	1.4 - 2.0	P	1.70	0.13	1.4 - 2.2	P	1.80	0.12	2.1 - 3.1	P	2.60	0.14	0.7 - 1.1	C	0.93	0.23	1.6 - 2.4	P	2.03	0.11	66
Other spectrophotometric	23	1.4 - 2.2	P	1.80	0.14	1.5 - 2.3	P	1.91	0.15	2.2 - 3.3	P	2.75	0.20	0.8 - 1.2	C	0.99	0.13	1.8 - 2.6	P	2.19	0.16	172
Total Population																						
Whole Population	24	1.5 - 2.2	P	1.81	0.16	1.5 - 2.3	P	1.91	0.17	2.2 - 3.3	P	2.75	0.25	0.8 - 1.2	P	1.00	0.13	1.7 - 2.6	P	2.18	0.19	334

Gentamicin

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Initial Grouping by Reagent and Instrument																						
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	1	3.8 - 6.3	P	5.02	0.16	6.5 - 10.9	P	8.72	0.34	2.1 - 3.5	P	2.77	0.18	8.2 - 13.6	P	10.90	0.36	4.2 - 6.9	P	5.54	0.20	21
Initial Grouping by Reagent																						
Beckman Synch LX,UniCel DxC	2	3.8 - 6.3	P	5.02	0.16	6.5 - 10.9	P	8.73	0.34	2.1 - 3.5	P	2.77	0.18	8.2 - 13.6	P	10.89	0.36	4.2 - 6.9	P	5.54	0.20	22
J&J Vitros spectrophot	3	3.7 - 6.1	P	4.88	0.31	5.7 - 9.5	P	7.62	0.44	2.1 - 3.6	P	2.85	0.20	6.8 - 11.3	P	9.04	0.63	3.9 - 6.6	P	5.25	0.23	12
Siemens Petinia	4	3.5 - 5.8	P	4.61	0.09	5.8 - 9.6	P	7.71	0.19	2.0 - 3.3	P	2.64	0.12	7.3 - 12.1	P	9.71	0.21	3.8 - 6.2	P	5.00	0.10	18
Siemens Emit,Dimension Flex	5	3.5 - 5.8	P	4.61	0.14	5.7 - 9.5	P	7.63	0.20	1.9 - 3.2	P	2.59	0.14	7.2 - 12.0	P	9.60	0.26	3.7 - 6.2	P	4.99	0.13	21
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	6	3.3 - 5.5	P	4.43	0.89	5.7 - 9.5	P	7.58	0.32	2.1 - 3.5	P	2.80	1.07	7.1 - 11.9	P	9.50	0.48	3.7 - 6.2	P	4.95	0.23	24
Fluorescence polariz (FPIA)	7	3.3 - 5.5	P	4.39	0.17	5.4 - 9.0	P	7.21	0.35	1.8 - 3.0	P	2.37	0.08	6.6 - 11.0	P	8.76	0.38	3.6 - 6.0	P	4.79	0.24	11
Turbidimetric/PETINIA	8	3.6 - 6.1	P	4.85	0.27	6.2 - 10.3	P	8.26	0.60	2.0 - 3.4	P	2.71	0.17	7.7 - 12.9	P	10.32	0.69	4.0 - 6.6	P	5.30	0.33	48
Other spectrophotometric	9	3.6 - 6.1	P	4.84	0.46	5.9 - 9.8	P	7.81	0.67	2.1 - 3.4	P	2.73	0.25	7.1 - 11.8	P	9.46	0.81	3.9 - 6.5	P	5.20	0.41	24
Total Population																						
Whole Population	10	3.6 - 5.9	P	4.74	0.33	5.9 - 9.9	P	7.89	0.66	2.0 - 3.3	P	2.65	0.20	7.3 - 12.2	P	9.76	0.83	3.9 - 6.4	P	5.14	0.40	113

Lithium

Initial Grouping by Reagent and Instrument

J&J Vitros spectrophot & J&J Vitros not DT or ECI	1	0.5 - 1.1	C	0.78	0.07	0.5 - 1.1	C	0.81	0.06	0.0 - 0.5	C	0.20	0.00	1.3 - 1.9	P	1.60	0.09	0.3 - 0.9	C	0.57	0.07	10
---	---	-----------	---	------	------	-----------	---	------	------	-----------	---	------	------	-----------	---	------	------	-----------	---	------	------	----

Initial Grouping by Reagent

J&J Vitros spectrophot	2	0.5 - 1.1	C	0.77	0.07	0.5 - 1.1	C	0.81	0.07	0.0 - 0.5	C	0.20	0.00	1.3 - 1.9	P	1.62	0.08	0.3 - 0.9	C	0.55	0.08	22
Siemens Dimension color	3	0.8 - 1.4	C	1.15	0.05	1.2 - 1.8	C	1.46	0.06	0.1 - 0.7	C	0.43	0.05	1.7 - 2.6	P	2.19	0.04	0.7 - 1.3	C	1.02	0.04	25

Initial Grouping by Sensitivity or Principle

Flame-equivalent methods	4	0.9 - 1.5	C	1.16	0.06	1.1 - 1.7	C	1.43	0.08	0.1 - 0.7	C	0.41	0.09	1.8 - 2.6	P	2.19	0.08	0.7 - 1.3	C	1.00	0.06	43
Other, not flame equivalent	5	0.7 - 1.3	C	0.96	0.24	0.8 - 1.4	C	1.08	0.29	0.1 - 0.7	C	0.40	0.09	1.5 - 2.3	P	1.90	0.30	0.5 - 1.1	C	0.76	0.24	41

Total Population

Whole Population	6	0.8 - 1.4	C	1.08	0.19	1.1 - 1.7	C	1.36	0.16	0.1 - 0.7	C	0.40	0.06	1.6 - 2.5	P	2.05	0.26	0.7 - 1.3	C	0.95	0.14	92
------------------	---	-----------	---	------	------	-----------	---	------	------	-----------	---	------	------	-----------	---	------	------	-----------	---	------	------	----

Phenobarbital

Initial Grouping by Reagent and Instrument

Abbott FPIA & Abbott AxSYM	1	25.0 - 38.0	P	31.7	3.9	25.0 - 37.0	P	31.1	3.0	33.0 - 50.0	P	41.7	4.6	15.0 - 23.0	P	19.1	1.8	28.0 - 42.0	P	34.7	3.6	11
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	2	24.0 - 35.0	P	29.5	1.1	24.0 - 37.0	P	30.5	1.2	33.0 - 49.0	P	41.2	1.8	15.0 - 23.0	P	18.9	0.6	27.0 - 41.0	P	33.8	1.0	19

Initial Grouping by Reagent

Abbott FPIA	3	25.0 - 38.0	P	31.5	3.8	24.0 - 36.0	P	30.1	1.3	33.0 - 50.0	P	41.6	4.4	15.0 - 22.0	P	18.4	0.7	28.0 - 41.0	P	34.5	3.5	12
Beckman Synch LX,UniCel DxC	4	24.0 - 35.0	P	29.5	1.1	24.0 - 37.0	P	30.5	1.2	33.0 - 49.0	P	41.2	1.8	15.0 - 23.0	P	19.0	0.7	27.0 - 41.0	P	33.8	1.0	21
J&J Vitros spectrophot	5	25.0 - 38.0	P	31.8	1.8	26.0 - 38.0	P	32.1	2.2	34.0 - 50.0	P	41.9	3.3	16.0 - 23.0	P	19.5	2.3	28.0 - 42.0	P	35.1	2.2	18
Siemens Petinia	6	26.0 - 39.0	P	32.6	1.2	27.0 - 40.0	P	33.7	1.9	37.0 - 56.0	P	46.5	2.4	16.0 - 24.0	P	19.9	1.1	30.0 - 45.0	P	37.5	1.7	15
Siemens Emit,Dimension Flex	7	26.0 - 40.0	P	33.0	1.7	27.0 - 41.0	P	34.2	2.0	38.0 - 57.0	P	47.1	2.0	16.0 - 24.0	P	20.3	1.2	30.0 - 45.0	P	37.6	2.0	21

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs					
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD						
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	8	26.0 - 39.0	P	32.2	2.0	26.0 - 40.0	P	33.1	2.4	37.0 - 55.0	P	45.8	2.7	16.0 - 24.0	P	19.7	1.4	30.0 - 44.0	P	36.9	2.0	32
Fluorescence polariz (FPIA)	9	24.0 - 36.0	P	30.4	2.5	24.0 - 36.0	P	30.1	1.2	33.0 - 49.0	P	41.1	2.7	15.0 - 22.0	P	18.5	0.9	27.0 - 41.0	P	34.2	3.0	18
Luminometric/CLIA	10	24.0 - 35.0	P	29.5	2.4	24.0 - 36.0	P	30.0	2.3	34.0 - 50.0	P	42.0	3.3	15.0 - 22.0	P	18.2	1.3	27.0 - 41.0	P	34.0	3.3	11
Turbidimetric/PETINIA	11	25.0 - 37.0	P	30.7	2.0	25.0 - 38.0	P	31.8	2.3	35.0 - 52.0	P	43.4	3.3	15.0 - 23.0	P	19.3	0.9	28.0 - 42.0	P	35.2	2.3	46
Other spectrophotometric	12	25.0 - 37.0	P	31.2	2.3	25.0 - 38.0	P	31.8	2.4	34.0 - 51.0	P	42.4	3.6	15.0 - 23.0	P	19.1	2.0	28.0 - 42.0	P	35.1	2.6	31
Total Population																						
Whole Population	13	25.0 - 37.0	P	31.0	2.2	25.0 - 38.0	P	31.7	2.4	35.0 - 52.0	P	43.3	3.5	15.0 - 23.0	P	19.1	1.4	28.0 - 42.0	P	35.3	2.6	140

Phenytoin																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	15.0 - 26.0	P	20.6	0.9	8.0 - 14.0	P	10.9	0.5	14.0 - 23.0	P	18.6	0.7	10.0 - 16.0	P	13.1	0.3	12.0 - 21.0	P	16.6	0.6	16
Beckman Synch LX, UniCel Dx C & Beckman Unicel DXC series	2	15.0 - 25.0	P	20.1	0.9	8.0 - 13.0	P	10.6	0.5	14.0 - 23.0	P	18.4	0.7	9.0 - 16.0	P	12.5	0.6	12.0 - 21.0	P	16.5	0.6	30
J&J Vitros spectrophot & J&J Vitros not DT or ECi	3	16.0 - 27.0	P	21.3	1.3	8.0 - 14.0	P	10.9	0.5	13.0 - 22.0	P	17.8	0.7	10.0 - 16.0	P	12.8	1.5	13.0 - 21.0	P	16.9	0.8	18
J&J Vitros spectrophot & J&J Vitros 5,1 FS	4	15.0 - 26.0	P	20.5	0.9	8.0 - 13.0	P	10.6	0.5	13.0 - 22.0	P	17.6	1.5	10.0 - 16.0	P	13.2	0.8	13.0 - 21.0	P	16.7	0.6	13
Beckman Olympus Emit 2000 & Beckm Olym AU 400/600/5400	5	15.0 - 26.0	P	20.6	1.3	8.0 - 13.0	P	10.5	0.7	13.0 - 22.0	P	17.8	1.4	10.0 - 16.0	P	12.7	0.5	12.0 - 20.0	P	16.2	0.6	13
Siemens Petinia & Siemens Dimension ser	6	17.0 - 28.0	P	22.4	1.1	8.0 - 14.0	P	11.2	0.8	15.0 - 25.0	P	20.2	0.9	10.0 - 17.0	P	13.2	0.6	14.0 - 22.0	P	18.0	0.9	12
Siemens Petinia & Siemens Dimension Xpand	7	17.0 - 29.0	P	22.8	1.2	8.0 - 14.0	P	11.2	0.6	16.0 - 26.0	P	20.8	1.1	10.0 - 17.0	P	13.6	0.9	14.0 - 23.0	P	18.2	0.9	12
Siemens Emit, Dimension Flex & Siemens Dimension EXL	8	17.0 - 28.0	P	22.6	0.8	8.0 - 14.0	P	11.2	0.8	15.0 - 26.0	P	20.4	1.2	10.0 - 16.0	P	13.1	0.9	13.0 - 22.0	P	17.9	0.9	10
Siemens Emit, Dimension Flex & Siemens Dimension ser	9	17.0 - 28.0	P	22.1	1.2	8.0 - 14.0	P	11.2	0.7	15.0 - 25.0	P	20.1	0.8	10.0 - 16.0	P	13.0	0.8	13.0 - 22.0	P	17.9	0.8	15
Siemens Emit, Dimension Flex & Siemens Dimension Xpand	10	17.0 - 28.0	P	22.8	0.8	9.0 - 14.0	P	11.4	0.7	15.0 - 26.0	P	20.6	0.9	10.0 - 17.0	P	13.5	0.8	14.0 - 23.0	P	18.0	0.9	20
Siemens Immulite & Siemens Immulite 2000	11	15.0 - 26.0	P	20.6	1.1	8.0 - 14.0	P	10.9	1.0	14.0 - 24.0	P	19.0	0.9	9.0 - 16.0	P	12.5	1.0	12.0 - 21.0	P	16.6	0.8	11
Initial Grouping by Reagent																						
Abbott FPIA	12	15.0 - 26.0	P	20.5	0.9	8.0 - 14.0	P	10.9	0.5	14.0 - 23.0	P	18.5	0.8	10.0 - 16.0	P	13.0	0.0	12.0 - 21.0	P	16.5	0.7	17
Beckman Synchron CX Petinia	13	15.0 - 25.0	P	19.8	0.7	8.0 - 13.0	P	10.6	0.5	14.0 - 23.0	P	18.2	0.7	9.0 - 15.0	P	12.2	0.7	12.0 - 20.0	P	16.0	0.5	10
Beckman Synch LX, UniCel Dx C	14	15.0 - 25.0	P	20.2	0.9	8.0 - 13.0	P	10.6	0.5	14.0 - 23.0	P	18.4	0.7	9.0 - 16.0	P	12.5	0.6	12.0 - 21.0	P	16.5	0.6	32
J&J Vitros spectrophot	15	16.0 - 26.0	P	21.0	1.2	8.0 - 13.0	P	10.7	0.5	13.0 - 22.0	P	17.9	1.1	10.0 - 16.0	P	13.0	1.2	13.0 - 21.0	P	16.7	0.7	40
Beckman Olympus Emit 2000	16	16.0 - 26.0	P	20.7	1.2	8.0 - 13.0	P	10.5	0.6	14.0 - 22.0	P	18.0	1.3	10.0 - 16.0	P	12.7	0.5	12.0 - 20.0	P	16.4	0.7	16
Siemens Petinia	17	17.0 - 28.0	P	22.7	1.0	8.0 - 14.0	P	11.2	0.7	15.0 - 26.0	P	20.6	1.0	10.0 - 17.0	P	13.3	0.7	14.0 - 23.0	P	18.1	0.8	38
Siemens Emit, Dimension Flex	18	17.0 - 28.0	P	22.5	1.1	8.0 - 14.0	P	11.3	0.8	15.0 - 25.0	P	20.4	0.9	10.0 - 17.0	P	13.2	0.8	13.0 - 22.0	P	17.9	0.9	51
Siemens Immulite	19	15.0 - 26.0	P	20.6	1.2	8.0 - 13.0	P	10.8	1.0	14.0 - 23.0	P	18.7	1.0	9.0 - 16.0	P	12.6	1.0	12.0 - 21.0	P	16.6	0.9	17
Initial Grouping by Sensitivity or Principle																						

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4			Specimen 5			No. of Labs		
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean		SD	
Enzyme-multiplied IA/EMIT	20	17.0 - 28.0	P	22.0	1.4	8.0 - 14.0	P	11.1	0.8	15.0 - 25.0	P	19.8	1.4	10.0 - 16.0	P	13.2	0.8	13.0 - 22.0	P	17.6	1.0	70
Fluorescence polariz (FPIA)	21	15.0 - 26.0	P	20.5	1.2	8.0 - 13.0	P	10.7	0.7	14.0 - 23.0	P	18.6	1.0	10.0 - 16.0	P	12.7	0.7	12.0 - 21.0	P	16.6	0.9	24
Luminometric/CLIA	22	16.0 - 27.0	P	21.9	2.4	8.0 - 14.0	P	11.2	1.2	15.0 - 25.0	P	19.9	2.3	10.0 - 17.0	P	13.3	1.6	13.0 - 22.0	P	17.5	2.0	24
Turbidimetric/PETINIA	23	16.0 - 27.0	P	21.4	1.7	8.0 - 14.0	P	10.9	0.7	15.0 - 24.0	P	19.5	1.4	10.0 - 16.0	P	13.0	0.8	13.0 - 22.0	P	17.2	1.1	86
Other spectrophotometric	24	15.0 - 26.0	P	20.6	1.6	8.0 - 13.0	P	10.7	0.7	14.0 - 23.0	P	18.1	1.5	10.0 - 16.0	P	12.8	1.1	13.0 - 21.0	P	16.7	1.1	69
Total Population																						
Whole Population	25	16.0 - 27.0	P	21.3	1.7	8.0 - 14.0	P	10.9	0.8	14.0 - 24.0	P	19.2	1.7	10.0 - 16.0	P	13.0	1.0	13.0 - 21.0	P	17.1	1.2	276

Primidone																						
Whole Population	1	6.9 - 11.5	P	9.20	0.00	10.6 - 17.6	P	14.10	0.00	10.9 - 18.1	P	14.50	0.00	6.6 - 11.0	P	8.80	0.00	9.4 - 15.8	P	12.60	0.00	1

Procainamide																						
Whole Population	1	8.5 - 14.1	P	11.30	0.00	4.3 - 7.1	P	5.70	0.00	4.3 - 7.1	P	5.70	0.00	7.6 - 12.8	P	10.20	0.00	5.4 - 9.0	P	7.20	0.00	1

N-Acetyl Procainamide (NAPA)																						
Whole Population	1	9.6 - 16.0	P	12.80	0.00	14.7 - 24.5	P	19.60	0.00	8.2 - 13.6	P	10.90	0.00	16.3 - 27.1	P	21.70	0.00	10.9 - 18.1	P	14.50	0.00	1

Quinidine																						
Whole Population	1	3.1 - 5.2	P	4.15	0.07	3.8 - 6.3	P	5.05	0.07	1.4 - 2.3	P	1.85	0.07	5.6 - 9.4	P	7.50	0.42	2.8 - 4.7	P	3.75	0.07	2

Salicylates - mg/L																						
Whole Population	1	118.0 - 198.0	P	158.0	11.0	149.0 - 248.0	P	198.4	15.2	212.0 - 354.0	P	283.0	15.4	50.0 - 84.0	P	67.0	6.1	161.0 - 268.0	P	214.5	12.6	16

Salicylates - mg/dL																						
Initial Grouping by Reagent and Instrument																						
Beckman Synchron other spec & Beckman Unicel DXC series	1	12.0 - 20.0	P	15.6	0.7	15.0 - 26.0	P	20.6	0.9	22.0 - 36.0	P	29.2	1.3	4.0 - 8.0	C	6.5	0.8	16.0 - 27.0	P	21.6	0.8	19
J&J Vitros & J&J Vitros not DT or ECi	2	13.0 - 22.0	P	17.3	0.5	16.0 - 27.0	P	21.3	0.6	23.0 - 38.0	P	30.6	0.8	6.0 - 10.0	C	7.9	0.4	17.0 - 29.0	P	23.0	0.6	15
Siemens Dimension ser & Siemens Dimension EXL	3	12.0 - 20.0	P	15.7	0.6	14.0 - 23.0	P	18.4	0.5	24.0 - 39.0	P	31.5	0.5	1.0 - 5.0	C	2.9	0.5	17.0 - 28.0	P	22.3	0.7	15
Siemens Dimension ser & Siemens Dimension Xpand	4	12.0 - 19.0	P	15.5	0.5	14.0 - 23.0	P	18.4	0.6	23.0 - 39.0	P	31.1	0.3	1.0 - 5.0	C	3.0	0.0	17.0 - 28.0	P	22.1	0.4	31
Initial Grouping by Reagent																						
Beckman Synchron other spec	5	12.0 - 19.0	P	15.6	0.7	15.0 - 26.0	P	20.6	1.0	22.0 - 37.0	P	29.2	1.2	4.0 - 8.0	C	6.5	0.7	16.0 - 27.0	P	21.6	0.8	22
J&J Vitros	6	13.0 - 21.0	P	17.2	0.5	16.0 - 27.0	P	21.3	0.6	23.0 - 38.0	P	30.7	0.8	6.0 - 10.0	C	7.9	0.4	17.0 - 29.0	P	23.0	0.7	30
Siemens Dimension ser	7	12.0 - 20.0	P	15.7	0.5	14.0 - 23.0	P	18.4	0.6	24.0 - 39.0	P	31.3	0.5	1.0 - 5.0	C	3.0	0.4	17.0 - 28.0	P	22.2	0.5	63
Siemens Trinder Spect.	8	12.0 - 20.0	P	15.6	0.5	14.0 - 23.0	P	18.1	0.7	23.0 - 39.0	P	31.2	0.8	1.0 - 5.0	C	2.8	0.4	17.0 - 28.0	P	22.1	0.7	10

Name	Line No.	Specimen 1				Specimen 2				Specimen 3				Specimen 4				Specimen 5				No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		Range & Type	Mean	SD		
5,1 FS	3	56.0 - 92.0 P	74.0	4.4		89.0 - 149.0 P	119.2	8.2		86.0 - 144.0 P	114.9	6.1		59.0 - 98.0 P	78.7	6.6		78.0 - 130.0 P	103.8	5.1	11	
Beckman Olympus Emit 2000 & Beckm Olym AU 400/600/5400	4	65.0 - 109.0 P	87.1	3.9		96.0 - 160.0 P	127.9	6.5		93.0 - 155.0 P	123.9	5.9		67.0 - 111.0 P	89.1	2.0		85.0 - 142.0 P	113.5	4.2	10	
Siemens Petinia & Siemens Dimension Xpand	5	59.0 - 98.0 P	78.5	3.7		84.0 - 141.0 P	112.5	5.2		83.0 - 138.0 P	110.5	4.1		60.0 - 101.0 P	80.5	3.6		75.0 - 125.0 P	100.2	4.8	11	
Siemens Emit,Dimension Flex & Siemens Dimension Xpand	6	58.0 - 96.0 P	76.8	2.5		85.0 - 141.0 P	113.1	6.2		82.0 - 137.0 P	109.5	4.8		60.0 - 100.0 P	79.9	3.3		75.0 - 125.0 P	99.6	2.7	15	
Initial Grouping by Reagent																						
Abbott FPIA	7	59.0 - 98.0 P	78.8	1.7		87.0 - 145.0 P	116.3	6.7		87.0 - 145.0 P	115.9	6.6		62.0 - 103.0 P	82.7	1.3		78.0 - 131.0 P	104.6	4.4	14	
Beckman Synch LX,UniCel Dx C	8	57.0 - 96.0 P	76.4	3.3		85.0 - 142.0 P	113.2	4.7		83.0 - 138.0 P	110.8	4.3		59.0 - 99.0 P	79.0	2.4		75.0 - 126.0 P	100.4	3.2	29	
J&J Vitros spectrophot	9	55.0 - 91.0 P	73.2	4.9		88.0 - 146.0 P	116.9	9.6		85.0 - 141.0 P	112.8	8.0		58.0 - 97.0 P	77.4	6.5		77.0 - 128.0 P	102.1	6.5	19	
Beckman Olympus Emit 2000	10	65.0 - 109.0 P	86.9	3.9		95.0 - 159.0 P	126.9	6.3		93.0 - 154.0 P	123.5	5.6		67.0 - 111.0 P	89.1	2.3		84.0 - 141.0 P	112.6	4.7	14	
Siemens Petinia	11	59.0 - 98.0 P	78.5	2.7		84.0 - 140.0 P	112.2	4.3		83.0 - 139.0 P	111.1	3.5		61.0 - 101.0 P	80.7	2.6		75.0 - 125.0 P	99.9	4.4	28	
Siemens Emit,Dimension Flex	12	58.0 - 96.0 P	77.1	2.4		84.0 - 141.0 P	112.5	5.7		83.0 - 138.0 P	110.2	5.0		60.0 - 100.0 P	80.3	2.9		75.0 - 125.0 P	99.8	3.2	34	
Siemens Immulite	13	66.0 - 111.0 P	88.5	6.4		102.0 - 170.0 P	135.9	6.5		99.0 - 164.0 P	131.5	5.9		71.0 - 119.0 P	94.8	3.3		88.0 - 147.0 P	117.3	5.7	13	
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	14	60.0 - 101.0 P	80.5	6.0		88.0 - 147.0 P	117.2	8.7		86.0 - 143.0 P	114.6	8.0		62.0 - 104.0 P	83.2	5.1		78.0 - 130.0 P	104.3	7.3	51	
Fluorescence polariz (FPIA)	15	59.0 - 99.0 P	78.9	1.6		88.0 - 147.0 P	117.4	6.2		87.0 - 145.0 P	115.8	5.9		62.0 - 103.0 P	82.4	1.3		80.0 - 133.0 P	106.1	3.8	19	
Luminometric/CLIA	16	64.0 - 107.0 P	85.6	7.2		97.0 - 162.0 P	129.7	10.9		95.0 - 159.0 P	127.0	9.8		68.0 - 114.0 P	91.2	7.1		85.0 - 142.0 P	113.7	8.5	20	
Turbidimetric/PETINIA	17	58.0 - 97.0 P	77.6	4.0		85.0 - 141.0 P	113.1	5.6		83.0 - 139.0 P	111.1	5.1		60.0 - 100.0 P	80.0	3.7		75.0 - 126.0 P	100.4	4.7	70	
Other spectrophotometric	18	57.0 - 95.0 P	76.4	5.7		88.0 - 147.0 P	117.8	8.7		85.0 - 142.0 P	113.9	7.8		60.0 - 100.0 P	80.3	6.8		78.0 - 130.0 P	103.9	7.3	36	
Total Population																						
Whole Population	19	59.0 - 99.0 P	79.2	6.1		88.0 - 147.0 P	117.2	9.2		86.0 - 144.0 P	114.9	8.6		62.0 - 103.0 P	82.3	6.1		78.0 - 130.0 P	104.1	7.5	204	
Vancomycin																						
Initial Grouping by Reagent and Instrument																						
Beckman Synch LX,UniCel Dx C & Beckman Unicel DXC series	1	22.0 - 37.0 P	29.3	1.8		22.0 - 36.0 P	29.1	1.9		36.0 - 60.0 P	48.1	3.9		8.0 - 13.0 P	10.7	1.1		27.0 - 45.0 P	36.1	1.7	28	
J&J Vitros spectrophot & J&J Vitros 5,1 FS	2	20.0 - 34.0 P	26.8	1.9		21.0 - 35.0 P	28.4	6.9		32.0 - 53.0 P	42.2	4.2		7.0 - 12.0 P	9.7	1.7		24.0 - 40.0 P	31.8	3.0	12	
Siemens Petinia & Siemens Dimension Xpand	3	20.0 - 33.0 P	26.7	0.8		20.0 - 33.0 P	26.6	0.8		32.0 - 54.0 P	43.1	1.0		8.0 - 12.0 P	10.0	0.0		24.0 - 40.0 P	32.3	0.9	16	
Siemens Emit,Dimension Flex & Siemens Dimension Xpand	4	20.0 - 34.0 P	27.0	0.8		20.0 - 34.0 P	26.8	0.8		32.0 - 54.0 P	43.3	1.8		8.0 - 13.0 P	10.2	0.4		24.0 - 40.0 P	32.4	1.1	16	
Initial Grouping by Reagent																						
Beckman Synch LX,UniCel Dx C	5	22.0 - 37.0 P	29.3	1.8		22.0 - 36.0 P	29.0	1.9		36.0 - 60.0 P	48.1	3.8		8.0 - 13.0 P	10.8	1.1		27.0 - 45.0 P	36.2	1.6	29	
J&J Vitros spectrophot	6	20.0 - 33.0 P	26.7	1.5		20.0 - 33.0 P	26.7	1.2		32.0 - 54.0 P	43.3	2.5		8.0 - 13.0 P	10.4	0.7		24.0 - 40.0 P	31.8	1.8	20	
Siemens Petinia	7	20.0 - 34.0 P	26.8	0.8		20.0 - 33.0 P	26.5	0.8		32.0 - 54.0 P	43.2	1.1		7.0 - 12.0 P	9.9	0.5		24.0 - 40.0 P	32.3	0.9	33	
Siemens Emit,Dimension Flex	8	20.0 - 34.0 P	27.0	1.0		20.0 - 34.0 P	26.8	0.9		32.0 - 54.0 P	43.3	1.8		8.0 - 13.0 P	10.1	0.5		24.0 - 41.0 P	32.4	1.1	40	
Initial Grouping by Sensitivity or Principle																						

Name	Line No.	Specimen 1				Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	
Enzyme-multiplied IA/EMIT	9	20.0 - 33.0 P	26.2	3.9	20.0 - 33.0 P	26.4	1.4	32.0 - 53.0 P	42.6	2.6	8.0 - 13.0 P	10.1	0.5	24.0 - 40.0 P	32.1	1.3	50	
Fluorescence polariz (FPIA)	10	24.0 - 40.0 P	32.1	3.4	23.0 - 39.0 P	31.1	3.7	38.0 - 64.0 P	51.2	6.3	9.0 - 15.0 P	12.3	1.5	29.0 - 48.0 P	38.8	4.5	15	
Turbidimetric/PETINIA	11	21.0 - 35.0 P	28.0	2.0	21.0 - 35.0 P	27.8	2.0	34.0 - 57.0 P	45.5	3.7	8.0 - 13.0 P	10.4	1.0	26.0 - 43.0 P	34.2	2.3	72	
Other spectrophotometric	12	21.0 - 35.0 P	27.8	2.7	21.0 - 35.0 P	27.8	2.7	34.0 - 57.0 P	45.3	5.2	8.0 - 13.0 P	10.8	1.2	25.0 - 42.0 P	33.6	3.6	40	
Total Population																		
Whole Population	13	21.0 - 35.0 P	27.8	2.5	21.0 - 34.0 P	27.5	2.5	34.0 - 56.0 P	44.9	4.5	8.0 - 13.0 P	10.4	1.0	25.0 - 42.0 P	33.7	3.2	186	