



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	27.0 - 46.0	P	36.5	2.3	8.0 - 14.0	P	11.2	1.3	75.0 - 126.0	P	100.4	4.3	30.0 - 50.0	P	39.9	2.0	11.0 - 18.0	P	14.1	1.5	22
J&J Vitros spectrophot & J&J Vitros not DT or ECi	2	33.0 - 55.0	P	44.3	0.5	11.0 - 19.0	P	15.0	0.4	75.0 - 125.0	P	99.8	1.7	34.0 - 57.0	P	45.8	0.8	13.0 - 21.0	P	16.9	0.4	20
J&J Vitros spectrophot & J&J Vitros 5,1 FS	3	34.0 - 56.0	P	44.8	0.8	11.0 - 19.0	P	15.0	0.4	75.0 - 125.0	P	99.7	0.6	35.0 - 58.0	P	46.1	0.6	12.0 - 20.0	P	15.9	2.5	11
Siemens Emit, Dimension Flex & Siemens Dimension EXL	4	29.0 - 49.0	P	38.9	1.4	12.0 - 20.0	P	16.1	1.2	71.0 - 118.0	P	94.1	0.8	30.0 - 50.0	P	40.2	0.4	13.0 - 22.0	P	17.4	1.2	12
Siemens Emit, Dimension Flex & Siemens Dimension ser	5	30.0 - 50.0	P	39.7	0.9	12.0 - 21.0	P	16.6	1.1	71.0 - 119.0	P	94.8	1.3	31.0 - 52.0	P	41.8	1.3	14.0 - 22.0	P	18.0	1.4	13
Siemens Emit, Dimension Flex & Siemens Dimension Xpand	6	30.0 - 49.0	P	39.4	1.4	12.0 - 20.0	P	16.1	1.2	71.0 - 118.0	P	94.1	1.7	31.0 - 51.0	P	41.0	1.7	13.0 - 22.0	P	17.8	1.4	31
Initial Grouping by Reagent																						
Beckman Synch LX, UniCel DxC	7	28.0 - 46.0	P	36.8	2.6	9.0 - 14.0	P	11.3	1.5	75.0 - 126.0	P	100.6	4.3	30.0 - 50.0	P	40.1	2.3	11.0 - 18.0	P	14.2	1.6	23
J&J Vitros spectrophot	8	33.0 - 56.0	P	44.5	0.6	11.0 - 19.0	P	15.1	0.4	75.0 - 125.0	P	100.0	1.5	35.0 - 58.0	P	46.0	0.8	13.0 - 21.0	P	16.7	1.4	38
Siemens Petinia	9	30.0 - 50.0	P	39.8	1.0	12.0 - 20.0	P	16.3	2.5	71.0 - 118.0	P	94.2	1.9	31.0 - 51.0	P	41.2	1.8	14.0 - 23.0	P	18.2	1.3	12
Siemens other spectro	10	29.0 - 49.0	P	39.1	1.0	12.0 - 21.0	P	16.5	1.1	71.0 - 118.0	P	94.2	1.5	31.0 - 51.0	P	40.9	1.2	13.0 - 22.0	P	17.7	0.9	15
Siemens Emit, Dimension Flex	11	30.0 - 49.0	P	39.4	1.3	12.0 - 20.0	P	16.2	1.2	71.0 - 118.0	P	94.4	1.5	31.0 - 51.0	P	41.1	1.5	13.0 - 22.0	P	17.8	1.3	62
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	12	29.0 - 49.0	P	39.2	1.5	12.0 - 20.0	P	15.9	1.4	71.0 - 118.0	P	94.5	2.0	31.0 - 51.0	P	40.9	1.5	13.0 - 22.0	P	17.6	1.4	71
Turbidimetric/PETINIA	13	28.0 - 47.0	P	37.4	2.6	10.0 - 16.0	P	12.7	2.7	73.0 - 122.0	P	97.7	5.0	30.0 - 50.0	P	40.1	2.2	11.0 - 19.0	P	15.2	2.3	43
Other spectrophotometric	14	31.0 - 52.0	P	41.8	3.6	11.0 - 19.0	P	14.9	1.6	73.0 - 122.0	P	97.6	4.0	33.0 - 54.0	P	43.4	3.4	12.0 - 21.0	P	16.4	1.8	64
Total Population																						
Whole Population	15	30.0 - 49.0	P	39.5	3.3	11.0 - 19.0	P	14.8	2.1	72.0 - 120.0	P	96.2	4.6	31.0 - 52.0	P	41.4	3.0	12.0 - 21.0	P	16.5	2.1	191

Carbamazepine**Initial Grouping by Reagent and Instrument**

Beckman Synch LX, UniCel DxC & Beckman Unicel DXC series	1	3.6 - 6.0	P	4.76	0.23	7.3 - 12.2	P	9.75	0.34	5.0 - 8.4	P	6.72	0.27	5.8 - 9.7	P	7.76	0.30	9.4 - 15.6	P	12.48	0.60	30
Beckman Olympus Emit 2000 & Beckm Olym AU 400/600/5400	2	3.7 - 6.2	P	4.97	0.29	7.7 - 12.8	P	10.27	0.69	5.3 - 8.8	P	7.08	0.42	6.0 - 10.0	P	8.03	0.46	10.0 - 16.6	P	13.31	0.87	13

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	
Siemens Dimension ser	10	1.1 - 1.6	P	1.35	0.06	1.1 - 1.6	P	1.31	0.08	2.1 - 3.1	P	2.62	0.11	1.3 - 2.0	P	1.67	0.07	1.3 - 1.9	P	1.59	0.08	29
Siemens Dimension DGNA & Siemens Dimension Xpand	11	1.1 - 1.7	P	1.40	0.09	1.1 - 1.6	P	1.33	0.09	2.1 - 3.1	P	2.62	0.10	1.4 - 2.0	P	1.70	0.09	1.3 - 1.9	P	1.61	0.10	51
Siemens Immulite & Siemens Immulite 2000	12	1.2 - 1.8	P	1.48	0.09	1.1 - 1.7	P	1.41	0.09	2.2 - 3.3	P	2.78	0.13	1.4 - 2.2	P	1.79	0.13	1.3 - 2.0	P	1.65	0.11	13
Initial Grouping by Reagent																						
Abbott Architect/Aeroset	13	1.0 - 1.5	P	1.23	0.10	0.9 - 1.4	P	1.14	0.08	1.9 - 2.9	P	2.42	0.07	1.2 - 1.8	P	1.47	0.10	1.1 - 1.7	P	1.39	0.05	12
Beckman Access luminometric	14	1.2 - 1.8	P	1.49	0.11	1.1 - 1.6	P	1.36	0.11	2.0 - 3.0	P	2.48	0.15	1.3 - 2.0	P	1.66	0.11	1.3 - 1.9	P	1.59	0.10	21
Beckman Synchron CX DIGN	15	1.0 - 1.4	P	1.19	0.10	0.9 - 1.3	P	1.12	0.12	1.8 - 2.8	P	2.30	0.16	1.1 - 1.7	P	1.43	0.16	1.0 - 1.6	P	1.30	0.12	20
Beckman Synch LX, UniCel DxC	16	0.9 - 1.4	P	1.18	0.10	0.9 - 1.3	P	1.11	0.09	1.8 - 2.8	P	2.31	0.12	1.1 - 1.7	P	1.43	0.12	1.1 - 1.6	P	1.35	0.11	29
J&J Vitros spectrophot	17	1.0 - 1.5	P	1.25	0.10	0.9 - 1.4	P	1.17	0.11	1.9 - 2.8	P	2.33	0.11	1.1 - 1.7	P	1.43	0.10	1.1 - 1.7	P	1.38	0.11	42
Beckman Olympus Emit 2000	18	1.1 - 1.7	P	1.42	0.18	1.0 - 1.6	P	1.31	0.18	2.1 - 3.1	P	2.62	0.25	1.4 - 2.0	P	1.70	0.18	1.2 - 1.9	P	1.55	0.15	16
Roche Elecsys luminometric	19	1.1 - 1.6	P	1.37	0.13	1.1 - 1.6	P	1.34	0.05	2.3 - 3.4	P	2.83	0.19	1.4 - 2.1	P	1.72	0.04	1.3 - 1.9	P	1.61	0.09	10
Siemens Dimension DGNA	20	1.1 - 1.7	P	1.38	0.08	1.1 - 1.6	P	1.32	0.09	2.1 - 3.1	P	2.61	0.10	1.3 - 2.0	P	1.68	0.08	1.3 - 1.9	P	1.60	0.09	116
Siemens Immulite	21	1.2 - 1.8	P	1.50	0.09	1.1 - 1.7	P	1.42	0.09	2.3 - 3.4	P	2.83	0.15	1.4 - 2.2	P	1.80	0.12	1.4 - 2.0	P	1.70	0.14	22
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	22	1.1 - 1.6	P	1.37	0.21	1.0 - 1.5	P	1.27	0.21	2.0 - 3.1	P	2.55	0.31	1.3 - 2.0	P	1.65	0.22	1.2 - 1.8	P	1.51	0.18	18
Immunofluorometric-not FPIA	23	1.1 - 1.7	P	1.38	0.20	1.0 - 1.6	P	1.31	0.20	2.0 - 3.0	P	2.53	0.32	1.3 - 1.9	P	1.61	0.21	1.2 - 1.8	P	1.53	0.25	16
Luminometric/CLIA	24	1.2 - 1.7	P	1.45	0.12	1.1 - 1.6	P	1.36	0.11	2.1 - 3.2	P	2.66	0.26	1.4 - 2.1	P	1.71	0.13	1.3 - 1.9	P	1.62	0.13	61
Turbidimetric/PETINIA	25	1.0 - 1.4	P	1.20	0.10	0.9 - 1.3	P	1.11	0.11	1.8 - 2.8	P	2.31	0.15	1.1 - 1.7	P	1.43	0.13	1.1 - 1.6	P	1.33	0.12	63
Other spectrophotometric	26	1.1 - 1.6	P	1.34	0.11	1.0 - 1.5	P	1.27	0.12	2.0 - 3.0	P	2.52	0.16	1.3 - 1.9	P	1.60	0.14	1.2 - 1.8	P	1.53	0.14	172
Total Population																						
Whole Population	27	1.1 - 1.6	P	1.34	0.15	1.0 - 1.5	P	1.26	0.15	2.0 - 3.0	P	2.51	0.22	1.3 - 1.9	P	1.60	0.17	1.2 - 1.8	P	1.51	0.17	333

Gentamicin

Initial Grouping by Reagent and Instrument

Beckman Synch LX, UniCel DxC & Beckman Unicel DXC series	1	8.4 - 14.0	P	11.16	0.32	5.9 - 9.9	P	7.92	0.34	4.6 - 7.6	P	6.09	0.30	6.3 - 10.5	P	8.36	0.33	3.5 - 5.8	P	4.61	0.21	20
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Initial Grouping by Reagent

Beckman Synch LX, UniCel DxC	2	8.4 - 14.0	P	11.18	0.32	6.0 - 9.9	P	7.93	0.34	4.6 - 7.6	P	6.10	0.30	6.3 - 10.5	P	8.39	0.34	3.5 - 5.8	P	4.61	0.21	21
J&J Vitros spectrophot	3	7.3 - 12.1	P	9.72	1.37	5.2 - 8.7	P	6.95	0.39	4.2 - 7.0	P	5.59	0.29	5.5 - 9.2	P	7.35	0.44	3.3 - 5.5	P	4.38	0.24	11
Siemens Petinia	4	7.3 - 12.1	P	9.69	0.25	5.0 - 8.3	P	6.67	0.16	3.9 - 6.5	P	5.18	0.11	5.3 - 8.8	P	7.06	0.12	3.1 - 5.2	P	4.13	0.08	18
Siemens Emit, Dimension Flex	5	7.3 - 12.1	P	9.68	0.32	5.0 - 8.3	P	6.67	0.21	3.9 - 6.5	P	5.19	0.12	5.3 - 8.8	P	7.04	0.18	3.1 - 5.2	P	4.17	0.09	20

Initial Grouping by Sensitivity or Principle

Enzyme-multiplied IA/EMIT	6	7.3 - 12.1	P	9.70	0.37	5.0 - 8.4	P	6.73	0.28	4.0 - 6.6	P	5.30	0.27	5.4 - 8.9	P	7.14	0.32	3.2 - 5.3	P	4.23	0.18	25
Fluorescence polariz (FPIA)	7	7.2 - 11.9	P	9.54	0.38	4.9 - 8.1	P	6.48	0.56	3.8 - 6.2	P	5.00	0.32	5.2 - 8.7	P	6.94	0.54	3.0 - 5.0	P	3.99	0.25	10
Turbidimetric/PETINIA	8	7.9 - 13.2	P	10.54	0.83	5.5 - 9.2	P	7.38	0.69	4.3 - 7.1	P	5.72	0.53	5.9 - 9.8	P	7.84	0.74	3.3 - 5.5	P	4.42	0.30	44
Other spectrophotometric	9	7.4 - 12.3	P	9.84	1.19	5.2 - 8.6	P	6.89	0.73	4.0 - 6.7	P	5.38	0.55	5.4 - 9.1	P	7.27	0.69	3.2 - 5.3	P	4.22	0.43	24

Total Population

Whole Population	10	7.5 - 12.6	P	10.04	0.90	5.3 - 8.8	P	7.01	0.68	4.1 - 6.8	P	5.46	0.51	5.6 - 9.3	P	7.43	0.70	3.2 - 5.4	P	4.28	0.33	109
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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			
Lithium																						
Initial Grouping by Reagent and Instrument																						
J&J Vitros spectrophot & J&J Vitros not DT or ECi	1	1.1 - 1.7	C	1.38	0.08	1.1 - 1.7	C	1.36	0.07	0.0 - 0.6	C	0.33	0.05	0.8 - 1.4	C	1.07	0.08	0.7 - 1.3	C	1.01	0.06	10
Initial Grouping by Reagent																						
J&J Vitros spectrophot	2	1.1 - 1.7	C	1.40	0.10	1.1 - 1.7	C	1.36	0.06	0.0 - 0.6	C	0.34	0.06	0.8 - 1.4	C	1.06	0.07	0.7 - 1.3	C	1.03	0.07	21
Siemens Dimension color	3	1.6 - 2.3	P	1.95	0.08	1.4 - 2.1	P	1.73	0.06	0.5 - 1.1	C	0.83	0.07	1.3 - 1.9	P	1.57	0.06	1.0 - 1.6	C	1.32	0.05	23
Initial Grouping by Sensitivity or Principle																						
Flame-equivalent methods	4	1.6 - 2.4	P	1.97	0.10	1.4 - 2.1	P	1.77	0.08	0.5 - 1.1	C	0.80	0.09	1.3 - 1.9	P	1.58	0.06	1.1 - 1.7	C	1.37	0.08	46
Other, not flame equivalent	5	1.3 - 1.9	P	1.60	0.38	1.2 - 1.9	P	1.56	0.24	0.3 - 0.9	C	0.57	0.31	1.0 - 1.6	C	1.28	0.27	0.9 - 1.5	C	1.20	0.20	38
Total Population																						
Whole Population	6	1.5 - 2.2	P	1.83	0.26	1.3 - 2.0	P	1.68	0.20	0.5 - 1.1	C	0.78	0.08	1.2 - 1.8	C	1.45	0.23	1.0 - 1.6	C	1.30	0.17	91
Phenobarbital																						
Initial Grouping by Reagent and Instrument																						
Abbott FPIA & Abbott AxSYM	1	19.0 - 28.0	P	23.5	2.5	18.0 - 27.0	P	22.6	1.0	30.0 - 45.0	P	37.7	2.0	21.0 - 32.0	P	26.4	1.3	21.0 - 32.0	P	26.7	1.9	10
Beckman Synch LX, UniCel DxC & Beckman Unicel DXC series	2	19.0 - 29.0	P	23.8	0.8	18.0 - 27.0	P	22.8	1.0	32.0 - 48.0	P	39.6	1.9	22.0 - 33.0	P	27.3	1.5	21.0 - 32.0	P	26.3	0.8	19
Beckman Olympus Emit 2000 & Beckm Olym AU 400/600/5400	3	19.0 - 29.0	P	24.0	1.4	19.0 - 28.0	P	23.2	1.1	33.0 - 49.0	P	41.2	3.6	22.0 - 33.0	P	27.6	1.3	22.0 - 33.0	P	27.6	2.2	10
Initial Grouping by Reagent																						
Abbott FPIA	4	19.0 - 28.0	P	23.5	2.5	18.0 - 27.0	P	22.6	1.0	30.0 - 45.0	P	37.7	2.0	21.0 - 32.0	P	26.4	1.3	21.0 - 32.0	P	26.7	1.9	10
Beckman Synch LX, UniCel DxC	5	19.0 - 29.0	P	23.8	0.8	18.0 - 27.0	P	22.8	0.9	32.0 - 47.0	P	39.4	2.0	22.0 - 33.0	P	27.2	1.4	21.0 - 31.0	P	26.2	0.9	21
J&J Vitros spectrophot	6	20.0 - 30.0	P	24.6	1.1	19.0 - 29.0	P	24.2	1.2	32.0 - 48.0	P	40.4	2.5	23.0 - 34.0	P	28.7	1.2	23.0 - 35.0	P	28.8	1.1	16
Beckman Olympus Emit 2000	7	19.0 - 29.0	P	24.3	1.6	19.0 - 28.0	P	23.2	1.1	33.0 - 49.0	P	41.1	3.4	22.0 - 33.0	P	27.5	1.2	22.0 - 33.0	P	27.7	2.1	11
Siemens Petinia	8	19.0 - 29.0	P	24.1	0.9	19.0 - 28.0	P	23.5	1.0	34.0 - 50.0	P	41.9	1.7	22.0 - 34.0	P	28.1	0.9	22.0 - 33.0	P	27.3	1.1	14
Siemens Emit, Dimension Flex	9	20.0 - 30.0	P	24.8	1.7	19.0 - 29.0	P	24.0	1.6	34.0 - 51.0	P	42.2	2.5	23.0 - 34.0	P	28.7	1.9	22.0 - 33.0	P	27.8	1.7	20
Initial Grouping by Sensitivity or Principle																						
Enzyme-multiplied IA/EMIT	10	20.0 - 29.0	P	24.6	1.7	19.0 - 28.0	P	23.6	1.5	33.0 - 50.0	P	41.7	2.8	23.0 - 34.0	P	28.3	1.7	22.0 - 33.0	P	27.7	1.8	33
Fluorescence polariz (FPIA)	11	18.0 - 27.0	P	22.7	1.3	18.0 - 27.0	P	22.3	0.9	30.0 - 45.0	P	37.9	1.6	21.0 - 32.0	P	26.3	1.0	21.0 - 31.0	P	26.1	1.7	16
Luminometric/CLIA	12	19.0 - 28.0	P	23.6	1.2	19.0 - 28.0	P	23.6	1.3	32.0 - 48.0	P	39.8	2.1	22.0 - 33.0	P	27.9	2.3	21.0 - 32.0	P	26.6	1.6	11
Turbidimetric/PETINIA	13	19.0 - 29.0	P	24.1	0.9	18.0 - 28.0	P	23.1	1.0	32.0 - 48.0	P	40.2	2.2	22.0 - 33.0	P	27.6	1.3	21.0 - 32.0	P	26.6	1.1	44
Other spectrophotometric	14	19.0 - 29.0	P	24.1	1.5	19.0 - 29.0	P	23.8	1.3	33.0 - 49.0	P	40.7	2.5	23.0 - 34.0	P	28.2	1.5	22.0 - 34.0	P	28.0	1.5	32
Total Population																						
Whole Population	15	19.0 - 29.0	P	24.0	1.4	19.0 - 28.0	P	23.3	1.3	32.0 - 48.0	P	40.4	2.6	22.0 - 33.0	P	27.8	1.6	22.0 - 33.0	P	27.1	1.6	137
Phenytoin																						
Initial Grouping by Reagent and Instrument																						
Abbott Architect/Aeroset & Abbott Architect c, ci, i	1	6.0 - 10.0	P	8.3	0.7	14.0 - 23.0	P	18.7	0.6	9.0 - 15.0	P	12.1	0.5	11.0 - 18.0	P	14.5	0.8	18.0 - 31.0	P	24.4	1.5	12

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
Abbott FPIA & Abbott AxSYM	2	7.0 - 11.0	P 9.0	0.0		14.0 - 24.0	P 18.9	0.4		10.0 - 16.0	P 13.0	0.0		11.0 - 19.0	P 15.0	0.0		19.0 - 31.0	P 24.7	0.9	14
Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	3	6.0 - 11.0	P 8.6	0.6		14.0 - 23.0	P 18.3	0.8		9.0 - 16.0	P 12.5	0.6		11.0 - 18.0	P 14.6	0.6		18.0 - 30.0	P 24.2	0.9	30
J&J Vitros spectrophot & J&J Vitros not DT or ECi	4	6.0 - 11.0	P 8.6	1.3		15.0 - 26.0	P 20.5	1.4		10.0 - 16.0	P 13.1	0.8		12.0 - 20.0	P 15.8	1.3		20.0 - 34.0	P 27.3	2.3	18
J&J Vitros spectrophot & J&J Vitros 5,1 FS	5	6.0 - 10.0	P 7.6	0.8		15.0 - 24.0	P 19.4	0.6		9.0 - 16.0	P 12.6	0.5		11.0 - 19.0	P 15.1	0.6		20.0 - 33.0	P 26.1	1.1	14
Beckman Olympus Emit 2000 & Beckm Olym AU 400/600/5400	6	6.0 - 11.0	P 8.5	0.7		14.0 - 23.0	P 18.7	1.5		9.0 - 16.0	P 12.5	1.1		11.0 - 18.0	P 14.2	0.9		18.0 - 30.0	P 24.4	2.9	17
Siemens Petinia & Siemens Dimension ser	7	7.0 - 11.0	P 8.9	0.7		15.0 - 24.0	P 19.5	0.5		10.0 - 16.0	P 13.2	0.4		12.0 - 19.0	P 15.4	0.5		20.0 - 33.0	P 26.2	1.1	10
Siemens Petinia & Siemens Dimension Xpand	8	7.0 - 11.0	P 8.8	0.7		15.0 - 25.0	P 19.7	0.9		10.0 - 17.0	P 13.6	0.7		12.0 - 19.0	P 15.5	0.7		20.0 - 32.0	P 26.0	0.9	13
Siemens Emit,Dimension Flex & Siemens Dimension EXL	9	7.0 - 11.0	P 8.8	0.6		15.0 - 25.0	P 19.9	0.9		10.0 - 17.0	P 13.3	0.7		12.0 - 19.0	P 15.5	0.8		20.0 - 34.0	P 26.8	0.9	10
Siemens Emit,Dimension Flex & Siemens Dimension ser	10	7.0 - 11.0	P 9.1	0.7		15.0 - 25.0	P 20.1	0.5		10.0 - 17.0	P 13.3	0.7		12.0 - 19.0	P 15.4	1.0		20.0 - 33.0	P 26.2	0.8	14
Siemens Emit,Dimension Flex & Siemens Dimension Xpand	11	6.0 - 11.0	P 8.6	0.6		15.0 - 25.0	P 20.0	1.1		10.0 - 17.0	P 13.4	0.7		12.0 - 19.0	P 15.4	0.9		20.0 - 33.0	P 26.6	1.4	21
Siemens Immulite & Siemens Immulite 2000	12	7.0 - 11.0	P 8.8	1.4		14.0 - 24.0	P 19.1	2.0		9.0 - 16.0	P 12.5	1.4		11.0 - 18.0	P 14.8	1.9		19.0 - 32.0	P 25.5	2.0	12
Initial Grouping by Reagent																					
Abbott Architect/Aeroset	13	6.0 - 10.0	P 8.3	0.7		14.0 - 23.0	P 18.7	0.6		9.0 - 15.0	P 12.1	0.5		11.0 - 18.0	P 14.5	0.8		18.0 - 31.0	P 24.4	1.5	12
Abbott FPIA	14	-				14.0 - 24.0	P 18.9	0.4		-				11.0 - 19.0	P 15.0	0.0		19.0 - 31.0	P 24.7	0.9	14
Beckman Synch LX,UniCel DxC	15	6.0 - 11.0	P 8.6	0.6		14.0 - 23.0	P 18.4	0.8		9.0 - 16.0	P 12.6	0.6		11.0 - 18.0	P 14.6	0.7		18.0 - 30.0	P 24.3	1.1	32
J&J Vitros spectrophot	16	6.0 - 10.0	P 8.1	1.2		15.0 - 25.0	P 19.9	1.2		10.0 - 16.0	P 12.8	0.8		12.0 - 19.0	P 15.4	1.1		20.0 - 33.0	P 26.5	1.9	41
Beckman Olympus Emit 2000	17	6.0 - 11.0	P 8.5	0.7		14.0 - 23.0	P 18.7	1.5		9.0 - 16.0	P 12.6	1.1		11.0 - 18.0	P 14.4	1.1		18.0 - 30.0	P 24.3	2.8	18
Siemens Petinia	18	7.0 - 11.0	P 9.0	0.8		15.0 - 25.0	P 19.7	0.8		10.0 - 17.0	P 13.4	0.7		12.0 - 19.0	P 15.5	0.7		20.0 - 33.0	P 26.3	1.0	37
Siemens Emit,Dimension Flex	19	7.0 - 11.0	P 8.8	0.7		15.0 - 25.0	P 19.9	1.0		10.0 - 17.0	P 13.4	0.7		12.0 - 19.0	P 15.4	0.9		20.0 - 33.0	P 26.5	1.1	51
Siemens Immulite	20	6.0 - 11.0	P 8.6	1.3		14.0 - 24.0	P 18.9	1.8		9.0 - 16.0	P 12.5	1.4		11.0 - 19.0	P 14.8	1.9		19.0 - 32.0	P 25.2	2.0	17
Initial Grouping by Sensitivity or Principle																					
Enzyme-multiplied IA/EMIT	21	7.0 - 11.0	P 8.7	0.8		15.0 - 24.0	P 19.6	1.3		10.0 - 16.0	P 13.1	1.0		11.0 - 19.0	P 15.1	1.1		19.0 - 32.0	P 25.8	2.0	73
Fluorescence polariz (FPIA)	22	6.0 - 10.0	P 8.1	0.4		14.0 - 23.0	P 18.5	0.9		10.0 - 16.0	P 12.9	0.4		11.0 - 18.0	P 14.6	0.6		18.0 - 31.0	P 24.6	1.3	21
Luminometric/CLIA	23	7.0 - 11.0	P 9.1	1.3		15.0 - 25.0	P 19.8	2.3		10.0 - 16.0	P 13.2	1.7		12.0 - 19.0	P 15.5	2.2		20.0 - 33.0	P 26.5	2.9	24
Turbidimetric/PETINIA	24	7.0 - 11.0	P 8.8	0.7		14.0 - 24.0	P 19.1	1.1		10.0 - 16.0	P 13.0	0.8		11.0 - 19.0	P 15.1	0.9		19.0 - 32.0	P 25.4	1.6	83
Other spectrophotometric	25	6.0 - 10.0	P 8.2	1.0		15.0 - 24.0	P 19.4	1.2		9.0 - 16.0	P 12.6	0.7		11.0 - 19.0	P 15.0	1.1		19.0 - 32.0	P 25.7	2.0	73
Total Population																					
Whole Population	26	6.0 - 11.0	P 8.6	0.9		14.0 - 24.0	P 19.3	1.3		10.0 - 16.0	P 12.9	1.0		11.0 - 19.0	P 15.1	1.1		19.0 - 32.0	P 25.6	2.0	278
Primidone																					
Whole Population	1	9.1 - 15.1	P 12.10	0.00		5.5 - 9.1	P 7.30	0.00		12.0 - 20.0	P 16.00	0.00		8.0 - 13.4	P 10.70	0.00		4.4 - 7.4	P 5.90	0.00	1

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	
J&J Vitros spectrophot	11	83.0 - 138.0 P	110.6	5.5	54.0 - 90.0 P	71.9	4.9		166.0 P	133.1	6.0		74.0 - 123.0 P	98.1	4.7		44.0 - 74.0 P	59.0	3.8	17
Beckman Olympus Emit 2000	12	89.0 - 148.0 P	118.2	4.9	57.0 - 95.0 P	75.8	3.1		106.0 - 176.0 P	140.8	6.4		76.0 - 127.0 P	101.8	4.4		46.0 - 77.0 P	61.3	3.2	16
Siemens Petinia	13	77.0 - 129.0 P	102.9	5.1	53.0 - 88.0 P	70.0	2.9		94.0 - 157.0 P	125.7	6.8		69.0 - 116.0 P	92.4	3.4		43.0 - 71.0 P	57.2	1.7	27
Siemens Emit,Dimension Flex	14	78.0 - 130.0 P	104.0	4.9	53.0 - 88.0 P	70.6	1.9		95.0 - 159.0 P	127.0	5.9		70.0 - 117.0 P	93.5	3.4		43.0 - 72.0 P	57.8	1.4	34
Siemens Immulite	15	92.0 - 153.0 P	122.5	6.4	57.0 - 95.0 P	76.1	1.6		112.0 - 186.0 P	148.8	4.5		79.0 - 132.0 P	105.4	4.8		46.0 - 77.0 P	61.4	3.0	13
Initial Grouping by Sensitivity or Principle																				
Enzyme-multiplied IA/EMIT	16	81.0 - 136.0 P	108.4	9.2	54.0 - 91.0 P	72.4	3.6		99.0 - 165.0 P	132.2	9.3		72.0 - 121.0 P	96.6	5.9		44.0 - 74.0 P	59.1	3.1	54
Fluorescence polariz (FPIA)	17	81.0 - 135.0 P	107.8	3.1	53.0 - 88.0 P	70.7	3.5		98.0 - 163.0 P	130.1	5.8		71.0 - 118.0 P	94.3	3.4		42.0 - 71.0 P	56.4	1.6	17
Luminometric/CLIA	18	88.0 - 148.0 P	118.0	9.8	56.0 - 94.0 P	75.0	3.7		106.0 - 176.0 P	141.2	12.9		76.0 - 127.0 P	101.4	8.4		45.0 - 75.0 P	59.6	4.7	20
Turbidimetric/PETINIA	19	77.0 - 128.0 P	102.8	5.2	51.0 - 86.0 P	68.6	3.9		93.0 - 155.0 P	124.0	6.9		68.0 - 114.0 P	91.2	5.2		41.0 - 69.0 P	55.1	3.3	67
Other spectrophotometric	20	82.0 - 136.0 P	109.2	7.1	53.0 - 89.0 P	71.0	4.6		98.0 - 163.0 P	130.5	7.0		72.0 - 121.0 P	96.4	5.6		43.0 - 72.0 P	57.3	4.2	39
Total Population																				
Whole Population	21	81.0 - 135.0 P	107.6	8.6	53.0 - 89.0 P	71.0	4.6		97.0 - 162.0 P	129.7	9.8		71.0 - 119.0 P	95.1	6.8		43.0 - 72.0 P	57.3	4.1	203

Vancomycin

Initial Grouping by Reagent and Instrument

Beckman Synch LX,UniCel DxC & Beckman Unicel DXC series	1	12.0 - 21.0 P	16.5	0.9	12.0 - 20.0 P	15.7	0.8		32.0 - 54.0 P	43.2	3.2		17.0 - 29.0 P	23.2	1.3		17.0 - 28.0 P	22.4	1.2	29
J&J Vitros spectrophot & J&J Vitros 5,1 FS	2	12.0 - 21.0 P	16.6	1.0	12.0 - 20.0 P	15.7	0.9		30.0 - 51.0 P	40.5	2.5		17.0 - 28.0 P	22.3	1.2		16.0 - 27.0 P	21.5	0.9	11
Beckman Olympus Emit 2000 & Beckm Olym AU 400/600/5400	3	12.0 - 20.0 P	15.8	0.6	11.0 - 19.0 P	14.8	0.6		28.0 - 48.0 P	38.0	2.0		16.0 - 27.0 P	21.3	0.5		15.0 - 25.0 P	20.3	0.6	11
Siemens Petinia & Siemens Dimension Xpand	4	12.0 - 20.0 P	15.6	0.8	11.0 - 19.0 P	14.9	0.7		29.0 - 49.0 P	39.2	1.4		16.0 - 27.0 P	21.2	1.0		15.0 - 26.0 P	20.5	0.9	17
Siemens Emit,Dimension Flex & Siemens Dimension Xpand	5	12.0 - 20.0 P	15.7	0.9	11.0 - 19.0 P	15.0	0.7		30.0 - 49.0 P	39.3	1.1		16.0 - 27.0 P	21.4	1.3		15.0 - 26.0 P	20.5	1.3	16

Initial Grouping by Reagent

Beckman Synch LX,UniCel DxC	6	12.0 - 21.0 P	16.5	0.9	12.0 - 20.0 P	15.7	0.8		32.0 - 54.0 P	43.1	3.2		17.0 - 29.0 P	23.1	1.3		17.0 - 28.0 P	22.4	1.2	30
J&J Vitros spectrophot	7	12.0 - 21.0 P	16.5	0.9	12.0 - 19.0 P	15.6	0.8		30.0 - 50.0 P	40.3	2.4		17.0 - 28.0 P	22.1	1.1		16.0 - 27.0 P	21.2	1.0	19
Beckman Olympus Emit 2000	8	12.0 - 20.0 P	15.8	0.6	11.0 - 18.0 P	14.8	0.6		29.0 - 48.0 P	38.1	1.9		16.0 - 26.0 P	21.2	0.6		15.0 - 25.0 P	20.2	0.6	12
Siemens Petinia	9	12.0 - 19.0 P	15.5	0.8	11.0 - 19.0 P	14.9	0.7		29.0 - 49.0 P	39.1	1.4		16.0 - 26.0 P	21.1	0.9		15.0 - 26.0 P	20.4	0.8	32
Siemens Emit,Dimension Flex	10	12.0 - 20.0 P	15.7	0.8	11.0 - 19.0 P	15.0	0.8		29.0 - 49.0 P	39.2	1.2		16.0 - 26.0 P	21.2	1.1		15.0 - 26.0 P	20.4	1.1	41

Initial Grouping by Sensitivity or Principle

Enzyme-multiplied IA/EMIT	11	12.0 - 20.0 P	15.8	1.0	11.0 - 19.0 P	15.0	0.9		29.0 - 49.0 P	39.2	2.3		16.0 - 27.0 P	21.3	1.3		15.0 - 26.0 P	20.5	1.4	54
Fluorescence polariz (FPIA)	12	15.0 - 24.0 P	19.5	1.6	14.0 - 23.0 P	18.4	1.6		36.0 - 59.0 P	47.4	5.9		20.0 - 33.0 P	26.5	2.8		19.0 - 32.0 P	25.5	2.7	16
Turbidimetric/PETINIA	13	12.0 - 20.0 P	15.9	1.3	11.0 - 19.0 P	15.2	1.1		31.0 - 51.0 P	40.7	3.4		16.0 - 27.0 P	21.9	1.8		16.0 - 27.0 P	21.2	1.7	74
Other spectrophotometric	14	12.0 - 21.0 P	16.5	1.2	12.0 - 20.0 P	15.8	1.1		31.0 - 52.0 P	41.2	3.2		17.0 - 28.0 P	22.5	1.4		16.0 - 27.0 P	21.6	1.4	40

Total Population

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	
Whole Population	15	12.0 - 20.0 P	16.3	1.6		12.0 - 19.0 P	15.5	1.4	31.0 - 51.0 P	40.9	3.9	17.0 - 28.0 P	22.2	2.1	16.0 - 27.0 P	21.3	1.9	192