

Summary of Participant Performance (Mean and Standard Deviation)

Acetaminophen (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
-----	-----	-----	-----	-----	-----	-----
82.35 ± 4.01 78.1	152.62 ± 7.45 146.4	122.58 ± 6.70 117.0	63.66 ± 3.11 60.1	39.05 ± 2.00 38.7	n = 221	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
73.87 ± 1.13	138.45 ± 2.30	110.35 ± 1.58	56.50 ± 1.22	34.15 ± 0.41	n = 4	[ABH] Abbott Architect
81.75 ± 4.18	156.47 ± 5.12	123.08 ± 9.23	63.00 ± 3.12	40.20 ± 2.58	n = 11	[ABB] Abbott AxSym
79.58 ± 4.86	152.37 ± 7.67	123.34 ± 8.61	64.06 ± 3.94	37.95 ± 1.13	n = 5	[ABG] Abbott TDx FLX
77.36 ± 3.86	142.43 ± 5.65	113.67 ± 5.63	58.75 ± 3.11	35.29 ± 2.46	n = 9	[OLC] Beckman Coulter AU Chemistry System
87.03 ± 2.47	157.54 ± 4.93	127.76 ± 4.17	67.76 ± 1.84	39.33 ± 4.04	n = 4	[BCS] Beckman Coulter CX
81.14 ± 4.13	152.48 ± 5.80	122.09 ± 5.42	63.34 ± 3.33	39.13 ± 3.42	n = 12	[BCX] Beckman Coulter LX-20
82.05 ± 4.32	151.03 ± 5.65	120.47 ± 3.76	63.02 ± 2.52	38.90 ± 2.51	n = 10	[BCG] Beckman Coulter UniCel Dx C 600
81.32 ± 4.17	151.70 ± 6.90	124.22 ± 4.69	63.60 ± 3.16	38.44 ± 2.62	n = 15	[BCH] Beckman Coulter UniCel Dx C 800
85.53 ± 0.84	161.69 ± 1.41	128.71 ± 1.92	66.28 ± 1.50	39.82 ± 0.40	n = 4	[JJE] Ortho Vitros 250/350/950
86.35 ± 1.91	161.12 ± 2.55	128.80 ± 1.92	66.25 ± 1.29	39.53 ± 0.87	n = 25	[JJF] Ortho Vitros 5,1FS
60.72 ± 2.39	118.58 ± 4.93	94.44 ± 4.35	46.65 ± 2.37	25.43 ± 1.14	n = 7	[ROC] Roche cobas c501
62.21 ± 1.88	117.87 ± 4.40	93.09 ± 3.12	46.29 ± 1.61	27.53 ± 1.06	n = 12	[ROT] Roche Cobas INTEGRA
55.57 ± 1.90	107.71 ± 2.66	85.70 ± 2.49	41.94 ± 1.35	23.86 ± 0.77	n = 11	[ROD] Roche MODULAR D/P
84.65 ± 1.13	157.24 ± 2.11	126.52 ± 1.57	65.00 ± 1.11	39.97 ± 0.85	n = 7	[BYE] Siemens ADVIA 1800
78.75 ± 5.58	145.78 ± 9.35	116.75 ± 7.85	60.59 ± 3.26	37.77 ± 2.76	n = 3	[BYB] Siemens ADVIA 2400
81.64 ± 1.68	150.83 ± 2.80	121.25 ± 2.23	63.08 ± 1.40	39.09 ± 0.86	n = 61	[DUD] Siemens Dimension
83.19 ± 1.85	150.85 ± 2.81	122.04 ± 1.73	64.38 ± 1.80	40.37 ± 1.20	n = 11	[DUT] Siemens Dimension Vista
<Reagents>						
80.13 ± 4.73	152.03 ± 8.45	121.04 ± 9.14	62.09 ± 3.93	38.44 ± 2.86	n = 21	[AB1] Abbott
82.08 ± 4.39	152.46 ± 6.27	123.04 ± 5.67	63.73 ± 3.37	38.71 ± 3.05	n = 42	[BC1] Beckman Coulter
76.33 ± 3.93	141.59 ± 5.72	112.10 ± 5.34	58.74 ± 3.43	34.81 ± 2.64	n = 7	[OL1] Beckman Coulter AU Series
86.32 ± 1.76	161.47 ± 2.62	128.91 ± 1.97	66.42 ± 1.44	39.58 ± 0.84	n = 31	[JJ1] Ortho Clinical Diagnostics
60.72 ± 2.39	118.58 ± 4.93	94.44 ± 4.35	46.65 ± 2.37	25.43 ± 1.14	n = 7	[R04] Roche cobas c501
55.57 ± 1.90	107.71 ± 2.66	85.70 ± 2.49	41.94 ± 1.35	23.86 ± 0.77	n = 11	[R02] Roche Hitachi and Modular D/P
62.21 ± 1.88	117.87 ± 4.40	93.09 ± 3.12	46.29 ± 1.61	27.53 ± 1.06	n = 12	[R01] Roche Integra and MIRA
84.57 ± 1.41	157.16 ± 2.36	126.34 ± 2.09	64.59 ± 1.54	39.84 ± 1.22	n = 12	[BY1] Siemens ADVIA/ADVIA Centaur
81.88 ± 1.79	150.89 ± 2.79	121.42 ± 2.18	63.28 ± 1.52	39.24 ± 0.99	n = 71	[DA1] Siemens Dimension/Stratus
75.89 ± 7.50	144.19 ± 3.69	115.82 ± 4.83	57.58 ± 2.66	36.25 ± 0.54	n = 3	[SY5] Syva Emit tox

Summary of Participant Performance (Mean and Standard Deviation)

Carbamazepine (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
6.58 ± 0.56 6.9	3.42 ± 0.37 3.7	9.73 ± 0.78 10.1	6.40 ± 0.55 6.7	13.36 ± 1.04 13.9	n = 247	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
7.28 ± 0.41	3.92 ± 0.24	10.50 ± 0.45	7.04 ± 0.56	14.73 ± 0.77	n = 3	[ABH] Abbott Architect
6.61 ± 0.27	3.51 ± 0.21	9.60 ± 0.58	6.38 ± 0.27	13.31 ± 0.51	n = 20	[ABB] Abbott AxSym
6.62 ± 0.24	3.57 ± 0.14	9.53 ± 0.34	6.18 ± 0.32	12.71 ± 0.74	n = 3	[ABG] Abbott TDx FLX
6.89 ± 0.31	3.68 ± 0.20	10.20 ± 0.36	6.59 ± 0.26	13.91 ± 0.50	n = 13	[OLC] Beckman Coulter AU Chemistry System
6.54 ± 0.18	3.48 ± 0.32	9.80 ± 0.40	6.63 ± 0.32	12.87 ± 0.43	n = 4	[BCS] Beckman Coulter CX
6.68 ± 0.40	3.16 ± 0.31	9.73 ± 0.43	6.45 ± 0.44	12.97 ± 0.91	n = 11	[BCX] Beckman Coulter LX-20
6.66 ± 0.41	3.18 ± 0.22	9.69 ± 0.50	6.47 ± 0.35	13.11 ± 0.70	n = 9	[BCG] Beckman Coulter UniCel Dx C 600
6.68 ± 0.43	3.18 ± 0.26	9.75 ± 0.51	6.44 ± 0.28	13.08 ± 0.95	n = 19	[BCH] Beckman Coulter UniCel Dx C 800
5.45 ± 0.37	3.00 ± 0.00	8.01 ± 0.52	4.92 ± 0.29	11.53 ± 0.56	n = 20	[JJF] Ortho Vitros 5,1FS
7.30 ± 0.14	4.22 ± 0.23	10.78 ± 0.30	7.21 ± 0.20	14.78 ± 0.34	n = 9	[ROC] Roche cobas c501
6.65 ± 0.22	3.49 ± 0.11	9.84 ± 0.28	6.44 ± 0.18	13.82 ± 0.57	n = 19	[ROT] Roche Cobas INTEGRA
7.59 ± 0.37	4.30 ± 0.18	10.96 ± 0.50	7.40 ± 0.45	14.75 ± 0.39	n = 13	[ROD] Roche MODULAR D/P
5.35 ± 0.30	2.87 ± 0.25	8.36 ± 0.45	5.22 ± 0.13	11.34 ± 0.35	n = 4	[BYE] Siemens ADVIA 1800
6.41 ± 0.67	3.38 ± 0.37	9.35 ± 0.87	6.31 ± 0.61	12.90 ± 1.16	n = 18	[COB] Siemens ADVIA Centaur
6.53 ± 0.27	3.47 ± 0.17	9.81 ± 0.35	6.37 ± 0.23	13.53 ± 0.44	n = 60	[DUD] Siemens Dimension
6.73 ± 0.36	3.52 ± 0.16	9.90 ± 0.42	6.41 ± 0.32	13.44 ± 0.51	n = 12	[DUT] Siemens Dimension Vista
<Reagents>						
6.64 ± 0.31	3.56 ± 0.23	9.69 ± 0.61	6.38 ± 0.33	13.34 ± 0.70	n = 26	[AB1] Abbott
6.65 ± 0.38	3.19 ± 0.29	9.73 ± 0.47	6.47 ± 0.32	13.03 ± 0.85	n = 43	[BC1] Beckman Coulter
7.03 ± 0.25	3.74 ± 0.18	10.35 ± 0.39	6.68 ± 0.23	14.07 ± 0.73	n = 7	[OL1] Beckman Coulter AU Series
7.56 ± 0.23	4.25 ± 0.12	10.86 ± 0.32	7.44 ± 0.35	14.73 ± 0.41	n = 4	[MG1] Microgenics CEDIA
5.48 ± 0.38	3.00 ± 0.00	8.01 ± 0.57	4.94 ± 0.35	11.49 ± 0.66	n = 23	[JJ1] Ortho Clinical Diagnostics
7.30 ± 0.14	4.22 ± 0.23	10.78 ± 0.30	7.21 ± 0.20	14.78 ± 0.34	n = 9	[R04] Roche cobas c501
7.71 ± 0.38	4.36 ± 0.21	11.22 ± 0.47	7.50 ± 0.41	14.83 ± 0.34	n = 6	[R02] Roche Hitachi and Modular D/P
6.65 ± 0.22	3.49 ± 0.11	9.84 ± 0.28	6.44 ± 0.18	13.82 ± 0.57	n = 19	[R01] Roche Integra and MIRA
6.12 ± 0.76	3.23 ± 0.42	9.03 ± 0.90	6.06 ± 0.74	12.59 ± 1.25	n = 25	[BY1] Siemens ADVIA/ADVIA Centaur
6.59 ± 0.36	3.51 ± 0.18	9.83 ± 0.39	6.38 ± 0.28	13.48 ± 0.50	n = 31	[DA4] Siemens Dimension PETINIA
6.54 ± 0.26	3.45 ± 0.17	9.82 ± 0.35	6.37 ± 0.22	13.53 ± 0.42	n = 39	[DA1] Siemens Dimension/Stratus
6.72 ± 0.31	3.64 ± 0.20	10.06 ± 0.26	6.52 ± 0.24	13.78 ± 0.20	n = 5	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Digoxin (µg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
1.852 ± 0.153	1.363 ± 0.152	2.747 ± 0.209	0.682 ± 0.117	1.484 ± 0.155	n = 294	[---] All Methods & Instruments
1.8	1.4	2.7	0.7	1.5		[---] Weigh-in Value
<Instruments>						
1.815 ± 0.046	1.395 ± 0.030	2.664 ± 0.058	0.639 ± 0.052	1.497 ± 0.030	n = 4	[ABH] Abbott Architect
1.867 ± 0.131	1.337 ± 0.106	2.787 ± 0.140	0.663 ± 0.060	1.444 ± 0.111	n = 18	[ABB] Abbott AxSym
1.779 ± 0.101	1.367 ± 0.100	2.576 ± 0.152	0.762 ± 0.075	1.476 ± 0.103	n = 11	[SAA] Beckman Coulter ACCESS
1.682 ± 0.152	1.186 ± 0.126	2.487 ± 0.197	0.570 ± 0.088	1.328 ± 0.116	n = 15	[OLC] Beckman Coulter AU Chemistry System
1.746 ± 0.107	1.286 ± 0.127	2.500 ± 0.000	0.636 ± 0.109	1.326 ± 0.110	n = 5	[BCS] Beckman Coulter CX
1.591 ± 0.147	1.138 ± 0.107	2.452 ± 0.149	0.534 ± 0.133	1.262 ± 0.122	n = 11	[BCX] Beckman Coulter LX-20
1.645 ± 0.114	1.187 ± 0.134	2.491 ± 0.143	0.596 ± 0.091	1.283 ± 0.094	n = 11	[BCG] Beckman Coulter UniCel DxC 600
1.649 ± 0.130	1.203 ± 0.140	2.552 ± 0.157	0.595 ± 0.114	1.300 ± 0.144	n = 16	[BCH] Beckman Coulter UniCel DxC 800
1.846 ± 0.149	1.377 ± 0.163	2.679 ± 0.170	0.752 ± 0.156	1.527 ± 0.168	n = 4	[BCU] Beckman Coulter UniCel Dxi 800
1.706 ± 0.093	1.144 ± 0.144	2.582 ± 0.138	0.528 ± 0.148	1.291 ± 0.163	n = 5	[JJE] Ortho Vitros 250/350/950
1.731 ± 0.145	1.198 ± 0.134	2.669 ± 0.153	0.547 ± 0.110	1.332 ± 0.166	n = 26	[JJF] Ortho Vitros 5,1FS
1.886 ± 0.111	1.367 ± 0.081	2.865 ± 0.116	0.749 ± 0.068	1.509 ± 0.075	n = 12	[ROC] Roche cobas c501
1.927 ± 0.082	1.451 ± 0.134	2.886 ± 0.165	0.791 ± 0.113	1.574 ± 0.074	n = 13	[ROT] Roche Cobas INTEGRA
1.925 ± 0.125	1.443 ± 0.168	2.801 ± 0.149	0.774 ± 0.130	1.561 ± 0.130	n = 13	[ROD] Roche MODULAR D/P
1.908 ± 0.053	1.500 ± 0.075	2.700 ± 0.075	0.609 ± 0.049	1.585 ± 0.041	n = 4	[BYE] Siemens ADVIA 1800
1.872 ± 0.068	1.387 ± 0.092	2.708 ± 0.098	0.676 ± 0.066	1.508 ± 0.085	n = 24	[COB] Siemens ADVIA Centaur
1.917 ± 0.067	1.422 ± 0.059	2.853 ± 0.090	0.720 ± 0.063	1.557 ± 0.066	n = 68	[DUD] Siemens Dimension
1.977 ± 0.077	1.500 ± 0.000	2.940 ± 0.100	0.717 ± 0.041	1.600 ± 0.000	n = 11	[DUT] Siemens Dimension Vista
2.071 ± 0.162	1.579 ± 0.092	3.122 ± 0.317	0.801 ± 0.101	1.746 ± 0.172	n = 7	[DPD] Siemens Immulite 2000
<Reagents>						
1.852 ± 0.112	1.356 ± 0.102	2.752 ± 0.152	0.660 ± 0.063	1.452 ± 0.098	n = 23	[AB1] Abbott
1.681 ± 0.148	1.234 ± 0.158	2.532 ± 0.159	0.630 ± 0.139	1.334 ± 0.150	n = 58	[BC1] Beckman Coulter
1.693 ± 0.145	1.154 ± 0.098	2.490 ± 0.187	0.553 ± 0.078	1.300 ± 0.098	n = 11	[OL1] Beckman Coulter AU Series
1.736 ± 0.141	1.191 ± 0.132	2.663 ± 0.156	0.543 ± 0.113	1.323 ± 0.158	n = 33	[JJ1] Ortho Clinical Diagnostics
1.886 ± 0.111	1.367 ± 0.081	2.865 ± 0.116	0.749 ± 0.068	1.509 ± 0.075	n = 12	[R04] Roche cobas c501
2.082 ± 0.075	1.513 ± 0.069	3.248 ± 0.132	0.759 ± 0.052	1.645 ± 0.068	n = 6	[R03] Roche Elecsys/Modular E/e601/e411
1.933 ± 0.147	1.545 ± 0.252	2.923 ± 0.192	0.754 ± 0.124	1.611 ± 0.181	n = 6	[R02] Roche Hitachi and Modular D/P
1.927 ± 0.082	1.451 ± 0.134	2.886 ± 0.165	0.791 ± 0.113	1.574 ± 0.074	n = 13	[R01] Roche Integra and MIRA
1.905 ± 0.101	1.428 ± 0.128	2.761 ± 0.134	0.791 ± 0.131	1.546 ± 0.114	n = 7	[R05] Roche Tina-quant
1.884 ± 0.071	1.406 ± 0.093	2.706 ± 0.096	0.662 ± 0.074	1.518 ± 0.079	n = 32	[BY1] Siemens ADVIA/ADVIA Centaur
1.922 ± 0.066	1.438 ± 0.067	2.855 ± 0.095	0.719 ± 0.056	1.562 ± 0.064	n = 39	[DA3] Siemens Dimension Automated Digoxin
1.924 ± 0.073	1.426 ± 0.056	2.870 ± 0.093	0.719 ± 0.063	1.564 ± 0.066	n = 39	[DA1] Siemens Dimension/Stratus
2.044 ± 0.163	1.566 ± 0.092	3.070 ± 0.317	0.801 ± 0.092	1.722 ± 0.172	n = 8	[DP5] Siemens Immulite
1.581 ± 0.092	1.243 ± 0.114	2.400 ± 0.090	0.603 ± 0.086	1.372 ± 0.094	n = 3	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Ethanol (mg/dL)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
120.63 ± 5.38 119.7	106.19 ± 4.64 112.0	178.33 ± 7.27 179.5	225.79 ± 9.42 228.4	203.57 ± 8.29 208.7	n = 232	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
122.47 ± 1.18	107.51 ± 1.38	179.98 ± 1.51	226.80 ± 2.96	204.00 ± 3.15	n = 6	[ABH] Abbott Architect
125.55 ± 2.66	109.87 ± 4.58	187.01 ± 6.31	233.38 ± 6.66	207.55 ± 4.29	n = 4	[ABB] Abbott AxSym
119.30 ± 2.72	105.65 ± 3.00	178.59 ± 5.62	226.43 ± 6.57	203.34 ± 6.51	n = 8	[OLC] Beckman Coulter AU Chemistry System
117.18 ± 7.35	98.99 ± 18.14	170.44 ± 12.59	208.52 ± 14.96	187.39 ± 22.30	n = 5	[BCS] Beckman Coulter CX
123.04 ± 5.12	107.30 ± 5.15	178.34 ± 7.29	224.52 ± 8.92	202.78 ± 8.94	n = 14	[BCX] Beckman Coulter LX-20
121.99 ± 7.46	107.01 ± 5.60	178.41 ± 10.15	225.08 ± 14.78	204.95 ± 9.78	n = 12	[BCG] Beckman Coulter UniCel Dx C 600
124.15 ± 6.95	108.90 ± 7.40	179.38 ± 13.31	226.33 ± 15.99	205.00 ± 14.52	n = 14	[BCH] Beckman Coulter UniCel Dx C 800
118.69 ± 4.64	105.66 ± 3.57	179.14 ± 6.11	227.58 ± 7.30	208.45 ± 7.22	n = 13	[GCC] Gas Chromatograph
110.84 ± 1.27	98.47 ± 1.66	165.09 ± 1.83	210.75 ± 3.99	187.63 ± 3.14	n = 4	[JJE] Ortho Vitros 250/350/950
114.74 ± 6.01	101.27 ± 4.97	171.25 ± 8.21	218.84 ± 9.85	195.71 ± 11.20	n = 24	[JJF] Ortho Vitros 5,1FS
120.81 ± 2.30	106.80 ± 2.10	178.29 ± 2.73	226.13 ± 5.44	204.49 ± 2.91	n = 8	[ROC] Roche cobas c501
116.95 ± 4.27	103.76 ± 3.42	172.87 ± 6.66	217.98 ± 6.64	197.97 ± 7.19	n = 10	[ROT] Roche Cobas INTEGRA
120.92 ± 1.92	106.60 ± 2.57	179.19 ± 3.77	226.67 ± 4.58	204.10 ± 3.64	n = 14	[ROD] Roche MODULAR D/P
119.00 ± 0.90	105.44 ± 1.02	175.74 ± 1.37	219.74 ± 2.26	199.93 ± 2.86	n = 3	[BYA] Siemens ADVIA 1650
120.81 ± 3.02	107.05 ± 2.12	178.00 ± 4.60	226.28 ± 5.34	204.03 ± 5.19	n = 8	[BYE] Siemens ADVIA 1800
125.74 ± 4.96	111.04 ± 5.48	181.37 ± 3.87	236.77 ± 10.38	204.60 ± 4.72	n = 3	[BYB] Siemens ADVIA 2400
121.92 ± 4.21	107.20 ± 3.58	179.96 ± 5.03	228.69 ± 6.66	205.22 ± 6.18	n = 62	[DUD] Siemens Dimension
122.06 ± 4.26	106.92 ± 3.50	182.11 ± 5.54	230.13 ± 5.08	206.36 ± 5.11	n = 12	[DUT] Siemens Dimension Vista
<Reagents>						
123.33 ± 2.33	107.89 ± 2.74	181.65 ± 5.00	228.71 ± 5.63	205.22 ± 3.90	n = 10	[AB1] Abbott
122.48 ± 6.39	107.40 ± 5.98	178.26 ± 10.01	224.11 ± 13.20	203.83 ± 11.37	n = 45	[BC1] Beckman Coulter
119.35 ± 2.96	105.58 ± 3.25	178.71 ± 6.09	226.25 ± 7.21	204.09 ± 6.84	n = 7	[OL1] Beckman Coulter AU Series
118.66 ± 4.87	105.63 ± 3.75	179.32 ± 6.50	227.54 ± 8.03	208.74 ± 7.60	n = 12	[IH1] In-House
113.98 ± 5.37	100.55 ± 4.29	170.07 ± 7.40	216.99 ± 8.98	194.28 ± 10.23	n = 30	[JJ1] Ortho Clinical Diagnostics
120.81 ± 2.30	106.80 ± 2.10	178.29 ± 2.73	226.13 ± 5.44	204.49 ± 2.91	n = 8	[R04] Roche cobas c501
120.73 ± 2.01	106.34 ± 2.68	178.90 ± 3.71	226.23 ± 4.69	203.74 ± 3.65	n = 15	[R02] Roche Hitachi and Modular D/P
116.95 ± 4.27	103.76 ± 3.42	172.87 ± 6.66	217.98 ± 6.64	197.97 ± 7.19	n = 10	[R01] Roche Integra and MIRA
121.66 ± 3.76	107.36 ± 2.52	179.72 ± 5.38	227.33 ± 6.61	204.81 ± 6.05	n = 12	[BY1] Siemens ADVIA/ADVIA Centaur
121.90 ± 4.25	107.12 ± 3.59	180.18 ± 5.12	228.85 ± 6.63	205.43 ± 6.08	n = 73	[DA1] Siemens Dimension/Stratus
119.84 ± 1.54	106.78 ± 3.23	177.48 ± 2.74	225.37 ± 3.87	198.88 ± 2.05	n = 3	[SY2] Syva Emit

Summary of Participant Performance (Mean and Standard Deviation)

Ethosuximide (mg/L)

Specimen: T31 -----	Specimen: T32 -----	Specimen: T33 -----	Specimen: T34 -----	Specimen: T35 -----	Number -----	[Code] Instrument or Reagent System -----
119.72 ± 9.77 109.4	84.13 ± 8.39 79.6	167.63 ± 8.33 161.1	111.06 ± 7.43 106.9	37.62 ± 4.40 36.5	n = 6	[---] All Methods & Instruments [---] Weigh-in Value
124.70 ± 9.53	86.85 ± 7.95	179.19 ± 21.23	116.02 ± 10.94	40.04 ± 5.48	n = 3	<Instruments> [OLC] Beckman Coulter AU Chemistry System
116.94 ± 7.75	81.55 ± 5.81	167.36 ± 7.39	109.29 ± 4.20	36.43 ± 2.74	n = 5	<Reagents> [SY2] Syva Emit

Summary of Participant Performance (Mean and Standard Deviation)

Gentamicin (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
6.92 ± 0.48 6.8	12.24 ± 1.02 12.4	10.19 ± 0.77 10.3	6.09 ± 0.42 6.1	4.41 ± 0.31 4.2	n = 191	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
6.40 ± 0.27	11.56 ± 0.47	9.59 ± 0.37	5.60 ± 0.27	4.05 ± 0.19	n = 3	[ABH] Abbott Architect
6.21 ± 0.27	10.65 ± 0.95	9.00 ± 0.59	5.42 ± 0.35	3.86 ± 0.12	n = 10	[ABB] Abbott AxSym
6.28 ± 0.24	11.55 ± 0.45	9.28 ± 0.32	5.58 ± 0.24	3.96 ± 0.10	n = 3	[ABG] Abbott TDX FLX
7.30 ± 0.24	12.64 ± 0.57	10.28 ± 0.59	6.25 ± 0.25	4.53 ± 0.15	n = 8	[OLC] Beckman Coulter AU Chemistry System
7.31 ± 0.26	12.48 ± 0.74	10.75 ± 0.50	6.35 ± 0.22	4.59 ± 0.15	n = 13	[BCX] Beckman Coulter LX-20
7.30 ± 0.20	12.63 ± 0.62	11.03 ± 0.32	6.42 ± 0.18	4.58 ± 0.20	n = 9	[BCG] Beckman Coulter UniCel DxC 600
7.28 ± 0.21	12.37 ± 0.78	10.80 ± 0.50	6.38 ± 0.25	4.57 ± 0.19	n = 17	[BCH] Beckman Coulter UniCel DxC 800
7.11 ± 0.23	13.54 ± 0.92	10.62 ± 1.26	6.37 ± 0.21	4.67 ± 0.15	n = 16	[JJF] Ortho Vitros 5,1FS
6.21 ± 0.43	11.42 ± 0.81	9.50 ± 1.00	5.47 ± 0.34	4.17 ± 0.20	n = 17	[ROT] Roche Cobas INTEGRA
6.73 ± 0.47	11.56 ± 0.86	9.69 ± 0.75	5.90 ± 0.43	4.23 ± 0.29	n = 9	[ROD] Roche MODULAR D/P
7.00 ± 0.46	11.52 ± 0.49	9.97 ± 0.42	6.15 ± 0.27	4.53 ± 0.23	n = 3	[BYE] Siemens ADVIA 1800
7.43 ± 0.39	14.03 ± 1.28	10.70 ± 0.69	6.49 ± 0.33	4.76 ± 0.28	n = 21	[COB] Siemens ADVIA Centaur
6.76 ± 0.16	12.17 ± 0.33	10.05 ± 0.24	5.95 ± 0.13	4.31 ± 0.12	n = 43	[DUD] Siemens Dimension
6.71 ± 0.20	11.68 ± 0.22	9.84 ± 0.30	5.81 ± 0.19	4.19 ± 0.14	n = 12	[DUT] Siemens Dimension Vista
<Reagents>						
6.26 ± 0.27	11.06 ± 0.91	9.18 ± 0.56	5.49 ± 0.32	3.91 ± 0.15	n = 16	[AB1] Abbott
7.28 ± 0.24	12.45 ± 0.77	10.85 ± 0.47	6.38 ± 0.25	4.58 ± 0.19	n = 41	[BC1] Beckman Coulter
7.29 ± 0.21	12.50 ± 0.62	9.97 ± 0.64	6.16 ± 0.26	4.46 ± 0.17	n = 5	[OL1] Beckman Coulter AU Series
6.80 ± 0.51	11.33 ± 0.60	9.67 ± 0.55	5.98 ± 0.49	4.24 ± 0.32	n = 4	[MG1] Microgenics CEDIA
7.12 ± 0.22	13.51 ± 0.89	10.55 ± 1.23	6.37 ± 0.20	4.66 ± 0.14	n = 17	[JJ1] Ortho Clinical Diagnostics
6.21 ± 0.43	11.42 ± 0.81	9.50 ± 1.00	5.47 ± 0.34	4.17 ± 0.20	n = 17	[R01] Roche Integra and MIRA
7.36 ± 0.45	13.63 ± 1.53	10.57 ± 0.69	6.44 ± 0.33	4.72 ± 0.28	n = 25	[BY1] Siemens ADVIA/ADVIA Centaur
6.72 ± 0.15	11.92 ± 0.34	9.95 ± 0.24	5.90 ± 0.16	4.25 ± 0.12	n = 29	[DA4] Siemens Dimension PETINIA
6.78 ± 0.19	12.23 ± 0.33	10.08 ± 0.29	5.95 ± 0.15	4.31 ± 0.14	n = 25	[DA1] Siemens Dimension/Stratus
7.18 ± 0.30	12.42 ± 0.60	10.48 ± 0.32	6.36 ± 0.20	4.65 ± 0.14	n = 6	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Lithium (mmol/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
0.990 ± 0.073 1.0	1.986 ± 0.110 2.0	1.474 ± 0.092 1.5	1.766 ± 0.111 1.8	0.344 ± 0.064 0.3	n = 207	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
0.979 ± 0.024	1.916 ± 0.078	1.412 ± 0.030	1.710 ± 0.085	0.327 ± 0.036	n = 5	[ABH] Abbott Architect
1.000 ± 0.064	1.959 ± 0.052	1.443 ± 0.042	1.744 ± 0.098	0.340 ± 0.046	n = 3	[AAS] Atomic Absorption Spectrometer
0.983 ± 0.037	1.921 ± 0.088	1.422 ± 0.057	1.709 ± 0.040	0.308 ± 0.015	n = 13	[OLC] Beckman Coulter AU Chemistry System
0.946 ± 0.032	1.911 ± 0.060	1.404 ± 0.048	1.680 ± 0.016	0.293 ± 0.042	n = 8	[BCX] Beckman Coulter LX-20
0.900 ± 0.009	1.874 ± 0.037	1.389 ± 0.027	1.714 ± 0.047	0.263 ± 0.039	n = 5	[BCG] Beckman Coulter UniCel DxC 600
0.914 ± 0.025	1.929 ± 0.068	1.411 ± 0.054	1.694 ± 0.069	0.281 ± 0.036	n = 13	[BCH] Beckman Coulter UniCel DxC 800
1.079 ± 0.057	2.150 ± 0.092	1.645 ± 0.082	1.987 ± 0.069	0.420 ± 0.036	n = 3	[NOS] NOVA 13
1.059 ± 0.056	2.117 ± 0.092	1.579 ± 0.047	1.917 ± 0.092	0.421 ± 0.047	n = 7	[JJE] Ortho Vitros 250/350/950
1.100 ± 0.000	2.196 ± 0.087	1.635 ± 0.073	1.979 ± 0.079	0.428 ± 0.056	n = 23	[JJF] Ortho Vitros 5,1FS
0.965 ± 0.045	1.964 ± 0.084	1.481 ± 0.031	1.731 ± 0.072	0.340 ± 0.046	n = 9	[ROY] Roche 9180/9181
0.981 ± 0.065	1.954 ± 0.070	1.500 ± 0.000	1.700 ± 0.000	0.334 ± 0.049	n = 7	[ROC] Roche cobas c501
0.989 ± 0.022	1.975 ± 0.040	1.471 ± 0.046	1.736 ± 0.044	0.336 ± 0.036	n = 13	[ROT] Roche Cobas INTEGRA
0.991 ± 0.066	1.938 ± 0.066	1.445 ± 0.063	1.722 ± 0.057	0.373 ± 0.049	n = 10	[ROD] Roche MODULAR D/P
1.005 ± 0.053	1.958 ± 0.078	1.498 ± 0.083	1.757 ± 0.089	0.349 ± 0.031	n = 5	[BYA] Siemens ADVIA 1650
1.034 ± 0.049	2.068 ± 0.083	1.541 ± 0.070	1.848 ± 0.067	0.363 ± 0.066	n = 8	[BYE] Siemens ADVIA 1800
0.952 ± 0.057	1.959 ± 0.056	1.434 ± 0.048	1.732 ± 0.056	0.312 ± 0.048	n = 44	[DUD] Siemens Dimension
1.002 ± 0.029	2.044 ± 0.057	1.513 ± 0.045	1.829 ± 0.056	0.347 ± 0.037	n = 12	[DUT] Siemens Dimension Vista
<Reagents>						
0.985 ± 0.019	1.914 ± 0.062	1.430 ± 0.036	1.718 ± 0.069	0.328 ± 0.041	n = 3	[AB1] Abbott
0.976 ± 0.044	1.995 ± 0.080	1.492 ± 0.031	1.750 ± 0.061	0.353 ± 0.056	n = 11	[AV1] AVL Scientific
0.921 ± 0.033	1.914 ± 0.059	1.401 ± 0.053	1.690 ± 0.044	0.285 ± 0.040	n = 18	[BC1] Beckman Coulter
0.975 ± 0.047	1.911 ± 0.101	1.419 ± 0.059	1.707 ± 0.042	0.300 ± 0.000	n = 12	[OL1] Beckman Coulter AU Series
0.979 ± 0.088	1.941 ± 0.107	1.430 ± 0.086	1.685 ± 0.135	0.336 ± 0.038	n = 5	[IH1] In-House
1.059 ± 0.048	2.082 ± 0.102	1.590 ± 0.011	1.922 ± 0.094	0.400 ± 0.000	n = 5	[N01] NOVA Biomedical
1.101 ± 0.039	2.177 ± 0.090	1.617 ± 0.075	1.960 ± 0.089	0.423 ± 0.051	n = 33	[JJ1] Ortho Clinical Diagnostics
0.981 ± 0.065	1.954 ± 0.070	1.500 ± 0.000	1.700 ± 0.000	0.334 ± 0.049	n = 7	[R04] Roche cobas c501
0.989 ± 0.022	1.975 ± 0.040	1.471 ± 0.046	1.736 ± 0.044	0.336 ± 0.036	n = 13	[R01] Roche Integra and MIRA
1.034 ± 0.047	2.058 ± 0.082	1.548 ± 0.074	1.847 ± 0.070	0.358 ± 0.048	n = 12	[BY1] Siemens ADVIA/ADVIA Centaur
0.965 ± 0.059	1.976 ± 0.067	1.450 ± 0.058	1.748 ± 0.068	0.320 ± 0.049	n = 54	[DA1] Siemens Dimension/Stratus
0.962 ± 0.047	1.916 ± 0.062	1.428 ± 0.052	1.715 ± 0.071	0.327 ± 0.064	n = 22	[TA1] Thermo Electron Corp

Summary of Participant Performance (Mean and Standard Deviation)

Phenobarbital (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
32.91 ± 2.43 34.0	54.55 ± 4.36 57.5	48.87 ± 3.93 51.0	14.24 ± 0.97 14.5	27.98 ± 1.90 28.8	n = 246	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
37.07 ± 0.67	59.41 ± 2.45	53.31 ± 0.98	14.58 ± 1.13	31.20 ± 2.01	n = 3	[ABH] Abbott Architect
31.43 ± 1.73	52.02 ± 3.93	47.06 ± 2.90	13.92 ± 0.65	26.62 ± 1.42	n = 19	[ABB] Abbott AxSym
31.48 ± 0.39	53.18 ± 2.09	47.93 ± 2.01	14.14 ± 0.51	27.06 ± 0.78	n = 6	[ABG] Abbott TDx FLX
33.91 ± 0.98	56.55 ± 2.22	50.18 ± 3.79	14.15 ± 0.52	28.18 ± 1.30	n = 12	[OLC] Beckman Coulter AU Chemistry System
29.38 ± 1.37	47.95 ± 2.29	43.13 ± 1.14	14.07 ± 0.09	25.81 ± 1.78	n = 5	[BCS] Beckman Coulter CX
30.80 ± 1.63	49.46 ± 3.05	44.77 ± 2.48	14.60 ± 0.83	27.75 ± 1.80	n = 12	[BCX] Beckman Coulter LX-20
31.55 ± 1.86	51.79 ± 3.77	46.36 ± 3.02	14.71 ± 0.89	27.87 ± 1.28	n = 10	[BCG] Beckman Coulter UniCel DxC 600
30.13 ± 1.40	47.83 ± 2.81	43.94 ± 2.21	14.36 ± 0.80	26.79 ± 1.33	n = 18	[BCH] Beckman Coulter UniCel DxC 800
34.62 ± 1.26	57.83 ± 2.24	53.41 ± 2.14	14.70 ± 0.86	29.99 ± 1.08	n = 24	[JJF] Ortho Vitros 5,1FS
32.77 ± 1.26	53.11 ± 1.79	48.18 ± 1.85	13.59 ± 0.34	27.47 ± 1.05	n = 11	[ROC] Roche cobas c501
31.97 ± 0.71	54.11 ± 1.88	47.70 ± 1.21	13.58 ± 0.30	26.99 ± 0.71	n = 18	[ROT] Roche Cobas INTEGRA
32.60 ± 1.79	54.38 ± 2.88	48.21 ± 2.35	13.73 ± 1.19	27.32 ± 1.77	n = 15	[ROD] Roche MODULAR D/P
33.52 ± 1.58	55.85 ± 1.18	48.62 ± 1.13	13.85 ± 0.36	28.08 ± 0.96	n = 3	[BYE] Siemens ADVIA 1800
36.14 ± 3.08	60.94 ± 4.24	55.46 ± 5.25	15.62 ± 1.27	30.95 ± 1.94	n = 17	[COB] Siemens ADVIA Centaur
33.68 ± 2.19	55.68 ± 3.13	49.68 ± 2.58	14.19 ± 1.14	27.87 ± 1.75	n = 50	[DUD] Siemens Dimension
34.38 ± 1.73	55.77 ± 2.49	49.98 ± 1.89	15.03 ± 0.59	28.73 ± 1.32	n = 12	[DUT] Siemens Dimension Vista
<Reagents>						
31.81 ± 2.03	52.98 ± 4.03	47.89 ± 3.28	14.04 ± 0.72	26.94 ± 1.55	n = 28	[AB1] Abbott
30.43 ± 1.77	48.92 ± 3.27	44.37 ± 2.57	14.40 ± 0.86	27.16 ± 1.69	n = 46	[BC1] Beckman Coulter
33.91 ± 1.15	56.75 ± 1.86	49.80 ± 3.12	14.05 ± 0.50	28.25 ± 1.00	n = 9	[OL1] Beckman Coulter AU Series
34.57 ± 1.38	57.71 ± 2.30	53.16 ± 2.25	14.61 ± 0.83	29.92 ± 1.09	n = 27	[JJ1] Ortho Clinical Diagnostics
32.77 ± 1.26	53.11 ± 1.79	48.18 ± 1.85	13.59 ± 0.34	27.47 ± 1.05	n = 11	[R04] Roche cobas c501
32.06 ± 1.54	52.05 ± 0.63	46.72 ± 1.22	13.22 ± 0.77	26.70 ± 1.64	n = 3	[R02] Roche Hitachi and Modular D/P
31.97 ± 0.71	54.11 ± 1.88	47.70 ± 1.21	13.58 ± 0.30	26.99 ± 0.71	n = 18	[R01] Roche Integra and MIRA
32.98 ± 1.83	55.44 ± 2.68	49.02 ± 2.40	14.01 ± 1.17	27.66 ± 1.68	n = 11	[R06] Roche ONLINE
35.33 ± 2.93	59.27 ± 4.32	53.36 ± 5.56	15.17 ± 1.31	30.19 ± 2.20	n = 23	[BY1] Siemens ADVIA/ADVIA Centaur
33.98 ± 1.93	55.71 ± 3.18	49.71 ± 2.11	14.55 ± 1.06	28.19 ± 1.32	n = 32	[DA4] Siemens Dimension PETINIA
33.66 ± 2.32	55.67 ± 2.79	49.70 ± 2.79	14.21 ± 1.16	27.87 ± 2.03	n = 30	[DA1] Siemens Dimension/Stratus
35.74 ± 3.18	56.19 ± 2.44	51.33 ± 5.15	14.47 ± 0.42	28.85 ± 2.81	n = 3	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Phenytoin (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
-----	-----	-----	-----	-----	-----	-----
16.13 ± 1.29 16.0	12.94 ± 1.03 13.0	24.13 ± 1.90 24.0	6.87 ± 0.70 7.0	12.92 ± 0.97 13.0	n = 279	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
15.63 ± 0.05	12.67 ± 0.05	23.56 ± 0.73	7.03 ± 0.14	12.81 ± 0.57	n = 3	[ABH] Abbott Architect
16.10 ± 0.59	12.97 ± 0.32	23.67 ± 0.73	7.13 ± 0.21	13.06 ± 0.33	n = 21	[ABB] Abbott AxSym
15.81 ± 0.44	12.75 ± 0.56	23.42 ± 0.40	6.96 ± 0.22	12.72 ± 0.35	n = 7	[ABG] Abbott TDX FLX
15.96 ± 0.85	12.69 ± 0.87	24.10 ± 1.49	6.76 ± 0.38	12.86 ± 0.76	n = 15	[OLC] Beckman Coulter AU Chemistry System
14.85 ± 0.22	12.19 ± 0.70	22.61 ± 0.59	6.54 ± 0.36	11.95 ± 1.07	n = 5	[BCS] Beckman Coulter CX
15.60 ± 0.43	12.63 ± 0.34	23.80 ± 0.65	6.63 ± 0.29	12.54 ± 0.43	n = 13	[BCX] Beckman Coulter LX-20
15.78 ± 0.40	12.59 ± 0.33	23.68 ± 0.91	6.79 ± 0.21	12.63 ± 0.50	n = 11	[BCG] Beckman Coulter UniCel Dx C 600
15.54 ± 0.46	12.49 ± 0.33	23.18 ± 0.82	6.64 ± 0.23	12.58 ± 0.45	n = 19	[BCH] Beckman Coulter UniCel Dx C 800
14.73 ± 1.48	12.18 ± 1.13	22.67 ± 1.40	5.70 ± 0.72	12.09 ± 1.45	n = 3	[JJE] Ortho Vitros 250/350/950
14.72 ± 0.55	11.71 ± 0.58	21.90 ± 1.61	5.36 ± 0.30	11.65 ± 0.41	n = 26	[JJF] Ortho Vitros 5,1FS
15.79 ± 1.21	12.38 ± 0.81	23.01 ± 1.60	6.73 ± 0.35	12.65 ± 1.00	n = 12	[ROC] Roche cobas c501
15.77 ± 0.67	12.73 ± 0.52	23.50 ± 1.02	6.73 ± 0.22	12.65 ± 0.40	n = 19	[ROT] Roche Cobas INTEGRA
16.34 ± 1.52	13.23 ± 1.19	23.92 ± 1.51	6.93 ± 0.77	12.91 ± 0.99	n = 16	[ROD] Roche MODULAR D/P
16.45 ± 0.23	13.10 ± 0.23	24.27 ± 0.42	6.90 ± 0.18	13.35 ± 0.23	n = 4	[BYE] Siemens ADVIA 1800
19.73 ± 1.72	15.73 ± 0.77	29.88 ± 2.29	8.26 ± 0.72	16.14 ± 1.09	n = 17	[COB] Siemens ADVIA Centaur
17.24 ± 1.11	13.66 ± 0.88	25.78 ± 1.33	7.23 ± 0.52	13.53 ± 0.78	n = 63	[DUD] Siemens Dimension
17.53 ± 0.93	14.09 ± 0.38	25.49 ± 1.04	7.57 ± 0.39	13.99 ± 0.58	n = 12	[DUT] Siemens Dimension Vista
<Reagents>						
15.96 ± 0.54	12.92 ± 0.37	23.61 ± 0.68	7.11 ± 0.21	12.98 ± 0.43	n = 31	[AB1] Abbott
15.54 ± 0.52	12.51 ± 0.41	23.38 ± 0.88	6.65 ± 0.28	12.56 ± 0.49	n = 49	[BC1] Beckman Coulter
15.89 ± 0.84	12.86 ± 0.85	24.36 ± 1.40	6.80 ± 0.42	12.78 ± 0.68	n = 10	[OL1] Beckman Coulter AU Series
14.78 ± 0.63	11.78 ± 0.65	22.02 ± 1.69	5.39 ± 0.33	11.70 ± 0.50	n = 31	[JJ1] Ortho Clinical Diagnostics
15.70 ± 1.17	12.40 ± 0.76	22.97 ± 1.48	6.75 ± 0.33	12.61 ± 0.96	n = 13	[R04] Roche cobas c501
14.94 ± 1.07	12.51 ± 0.45	22.75 ± 0.97	6.48 ± 0.34	12.20 ± 0.49	n = 4	[R02] Roche Hitachi and Modular D/P
15.77 ± 0.67	12.73 ± 0.52	23.50 ± 1.02	6.73 ± 0.22	12.65 ± 0.40	n = 19	[R01] Roche Integra and MIRA
16.24 ± 0.93	13.12 ± 0.87	24.08 ± 0.88	6.87 ± 0.49	12.81 ± 0.42	n = 10	[R06] Roche ONLINE
18.51 ± 2.31	14.86 ± 1.63	28.13 ± 3.52	7.72 ± 1.04	15.19 ± 1.78	n = 25	[BY1] Siemens ADVIA/ADVIA Centaur
17.58 ± 1.07	14.09 ± 0.79	26.02 ± 1.32	7.46 ± 0.49	13.87 ± 0.78	n = 36	[DA4] Siemens Dimension PETINIA
16.99 ± 1.00	13.45 ± 0.77	25.48 ± 1.23	7.14 ± 0.50	13.39 ± 0.70	n = 39	[DA1] Siemens Dimension/Stratus
16.25 ± 0.23	12.47 ± 0.78	23.58 ± 1.30	6.76 ± 0.31	12.97 ± 0.80	n = 6	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Free Phenytoin (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
3.22 ± 0.41	2.45 ± 0.40	4.65 ± 0.75	1.26 ± 0.22	2.25 ± 0.39	n = 31	[---] All Methods & Instruments
						<Instruments>
3.05 ± 0.27	2.37 ± 0.23	4.81 ± 0.52	1.20 ± 0.09	2.43 ± 0.60	n = 3	[ABC] Abbott TDX and Amicon Centrifree
3.20 ± 0.17	2.42 ± 0.18	4.62 ± 0.57	1.25 ± 0.15	2.23 ± 0.17	n = 13	[ABG] Abbott TDX FLX
3.47 ± 0.34	2.80 ± 0.27	4.86 ± 0.39	1.43 ± 0.14	2.48 ± 0.32	n = 3	[OLC] Beckman Coulter AU Chemistry System
1.80 ± 0.09	1.47 ± 0.05	2.77 ± 0.14	0.77 ± 0.05	1.47 ± 0.05	n = 3	[BCX] Beckman Coulter LX-20
3.38 ± 0.17	2.63 ± 0.18	4.85 ± 0.37	1.32 ± 0.16	2.34 ± 0.14	n = 5	[ROT] Roche Cobas INTEGRA
						<Reagents>
3.19 ± 0.28	2.42 ± 0.24	4.69 ± 0.59	1.26 ± 0.16	2.27 ± 0.31	n = 17	[AB1] Abbott
1.80 ± 0.08	1.48 ± 0.04	2.79 ± 0.11	0.78 ± 0.04	1.48 ± 0.04	n = 4	[BC1] Beckman Coulter
3.38 ± 0.17	2.63 ± 0.18	4.85 ± 0.37	1.32 ± 0.16	2.34 ± 0.14	n = 5	[R01] Roche Integra and MIRA
3.35 ± 0.34	2.76 ± 0.23	4.82 ± 0.31	1.38 ± 0.13	2.41 ± 0.27	n = 4	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Primidone (mg/L)

Specimen: T31 -----	Specimen: T32 -----	Specimen: T33 -----	Specimen: T34 -----	Specimen: T35 -----	Number -----	[Code] Instrument or Reagent System -----
10.36 ± 0.41 10.1	12.70 ± 0.41 12.5	14.90 ± 0.53 15.1	5.77 ± 0.22 5.5	5.17 ± 0.36 4.7	n = 17	[---] All Methods & Instruments [---] Weigh-in Value
10.33 ± 0.31 10.16 ± 0.28	12.68 ± 0.45 12.67 ± 0.27	14.77 ± 0.37 15.02 ± 0.55	5.69 ± 0.24 5.80 ± 0.06	5.25 ± 0.33 4.95 ± 0.15	n = 8 n = 6	<Instruments> [OLC] Beckman Coulter AU Chemistry System [ROT] Roche Cobas INTEGRA
10.16 ± 0.28 10.58 ± 0.44	12.67 ± 0.27 12.79 ± 0.69	15.02 ± 0.55 14.88 ± 0.60	5.80 ± 0.06 5.70 ± 0.26	4.95 ± 0.15 5.25 ± 0.37	n = 6 n = 9	<Reagents> [R01] Roche Integra and MIRA [SY2] Syva Emit

Summary of Participant Performance (Mean and Standard Deviation)

Procainamide (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
-----	-----	-----	-----	-----	-----	-----
5.71 ± 0.24	3.13 ± 0.13	8.27 ± 0.38	16.25 ± 1.20	11.37 ± 0.62	n = 26	[---] All Methods & Instruments
5.6	3.2	8.5	16.9	11.6		[---] Weigh-in Value
						<Instruments>
5.66 ± 0.26	3.08 ± 0.18	7.97 ± 0.53	15.51 ± 1.10	10.86 ± 0.88	n = 6	[ABB] Abbott AxSym
5.55 ± 0.19	3.13 ± 0.05	8.01 ± 0.20	16.01 ± 0.74	11.00 ± 0.55	n = 3	[OLC] Beckman Coulter AU Chemistry System
5.69 ± 0.18	3.06 ± 0.11	8.50 ± 0.27	16.66 ± 0.55	11.44 ± 0.29	n = 8	[ROT] Roche Cobas INTEGRA
						<Reagents>
5.67 ± 0.25	3.15 ± 0.20	8.09 ± 0.48	15.89 ± 1.21	11.21 ± 0.96	n = 8	[AB1] Abbott
5.69 ± 0.18	3.06 ± 0.11	8.50 ± 0.27	16.66 ± 0.55	11.44 ± 0.29	n = 8	[R01] Roche Integra and MIRA
5.56 ± 0.26	3.10 ± 0.00	8.04 ± 0.22	15.57 ± 0.55	11.65 ± 1.44	n = 5	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

N-Acetyl-Procaïnamide (mg/L)

Specimen: T31 -----	Specimen: T32 -----	Specimen: T33 -----	Specimen: T34 -----	Specimen: T35 -----	Number -----	[Code] Instrument or Reagent System -----
11.40 ± 0.54 11.3	7.47 ± 0.44 7.2	16.57 ± 1.42 16.9	4.78 ± 0.22 4.6	13.74 ± 0.75 13.8	n = 26	[---] All Methods & Instruments [---] Weigh-in Value
12.13 ± 0.85	8.68 ± 0.75	17.99 ± 1.34	5.39 ± 0.60	14.11 ± 0.44	n = 6	<Instruments>
11.22 ± 0.24	7.26 ± 0.10	16.03 ± 0.86	4.64 ± 0.10	13.48 ± 0.15	n = 3	[ABB] Abbott AxSym
11.18 ± 0.20	7.49 ± 0.17	16.00 ± 0.66	4.87 ± 0.09	13.13 ± 0.54	n = 8	[OLC] Beckman Coulter AU Chemistry System [ROT] Roche Cobas INTEGRA
12.05 ± 0.82	8.61 ± 0.81	17.85 ± 1.24	5.42 ± 0.56	14.10 ± 0.60	n = 8	<Reagents>
11.18 ± 0.20	7.49 ± 0.17	16.00 ± 0.66	4.87 ± 0.09	13.13 ± 0.54	n = 8	[AB1] Abbott
11.25 ± 0.32	7.28 ± 0.25	15.30 ± 1.56	4.59 ± 0.18	13.47 ± 0.16	n = 5	[R01] Roche Integra and MIRA [SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Quinidine (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
-----	-----	-----	-----	-----	-----	-----
4.11 ± 0.24	5.06 ± 0.25	6.03 ± 0.27	1.62 ± 0.16	3.66 ± 0.22	n = 23	[---] All Methods & Instruments
4.4	5.4	6.6	1.9	3.9		[---] Weigh-in Value
<Instruments>						
4.09 ± 0.10	5.03 ± 0.18	6.12 ± 0.17	1.68 ± 0.08	3.66 ± 0.09	n = 7	[ABB] Abbott AxSym
4.13 ± 0.16	5.17 ± 0.25	6.21 ± 0.24	1.85 ± 0.19	3.67 ± 0.23	n = 4	[ABG] Abbott TDx FLX
3.57 ± 0.14	4.59 ± 0.20	5.17 ± 0.05	1.47 ± 0.05	3.15 ± 0.19	n = 3	[OLC] Beckman Coulter AU Chemistry System
4.31 ± 0.11	5.21 ± 0.11	6.02 ± 0.09	1.50 ± 0.00	3.76 ± 0.08	n = 6	[ROT] Roche Cobas INTEGRA
<Reagents>						
4.11 ± 0.13	5.08 ± 0.22	6.15 ± 0.20	1.73 ± 0.14	3.67 ± 0.13	n = 11	[AB1] Abbott
4.31 ± 0.11	5.21 ± 0.11	6.02 ± 0.09	1.50 ± 0.00	3.76 ± 0.08	n = 6	[R01] Roche Integra and MIRA
3.67 ± 0.05	4.73 ± 0.05	5.42 ± 0.49	1.47 ± 0.05	3.20 ± 0.18	n = 3	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Salicylate (mg/dL)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
25.40 ± 1.46 24.0	55.08 ± 1.72 53.1	37.40 ± 1.45 36.0	75.70 ± 2.21 73.1	57.14 ± 1.60 55.1	n = 220	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
24.09 ± 0.67	53.68 ± 0.64	36.01 ± 0.81	74.35 ± 0.81	55.87 ± 0.76	n = 4	[ABH] Abbott Architect
24.87 ± 1.12	51.82 ± 3.49	35.67 ± 2.77	71.83 ± 3.36	53.66 ± 3.03	n = 11	[ABB] Abbott AxSym
24.23 ± 1.59	55.18 ± 3.47	37.34 ± 3.84	72.24 ± 3.35	56.08 ± 2.40	n = 3	[ABG] Abbott TDx FLX
27.45 ± 1.17	59.27 ± 3.99	40.86 ± 2.69	82.77 ± 4.59	61.20 ± 3.05	n = 9	[OLC] Beckman Coulter AU Chemistry System
25.23 ± 2.06	56.57 ± 2.59	38.16 ± 2.66	79.79 ± 4.43	56.79 ± 5.59	n = 3	[BCS] Beckman Coulter CX
24.14 ± 0.69	54.83 ± 1.28	36.46 ± 0.99	76.59 ± 1.75	56.87 ± 1.24	n = 13	[BCX] Beckman Coulter LX-20
24.06 ± 0.63	55.02 ± 1.92	36.51 ± 1.43	75.83 ± 2.25	56.78 ± 0.76	n = 10	[BCG] Beckman Coulter UniCel Dx C 600
24.02 ± 0.81	54.94 ± 1.51	36.75 ± 1.04	76.44 ± 1.74	57.43 ± 1.12	n = 16	[BCH] Beckman Coulter UniCel Dx C 800
27.96 ± 1.50	56.30 ± 6.21	38.18 ± 0.40	76.21 ± 6.95	57.87 ± 6.53	n = 4	[JJE] Ortho Vitros 250/350/950
27.56 ± 0.69	55.74 ± 1.03	38.48 ± 0.99	75.98 ± 1.76	57.61 ± 1.14	n = 25	[JJF] Ortho Vitros 5,1FS
24.27 ± 0.37	57.28 ± 0.88	37.96 ± 0.73	79.09 ± 3.33	59.97 ± 1.09	n = 7	[ROC] Roche cobas c501
23.93 ± 0.45	52.44 ± 0.89	35.53 ± 0.55	72.71 ± 0.86	54.78 ± 0.93	n = 12	[ROT] Roche Cobas INTEGRA
25.31 ± 0.93	54.96 ± 1.05	37.62 ± 1.13	75.64 ± 1.04	57.02 ± 1.00	n = 11	[ROD] Roche MODULAR D/P
25.24 ± 1.47	56.40 ± 1.65	37.80 ± 1.72	77.95 ± 2.57	58.67 ± 2.43	n = 7	[BYE] Siemens ADVIA 1800
26.24 ± 1.78	56.34 ± 0.82	37.76 ± 0.47	77.04 ± 0.62	57.84 ± 0.62	n = 3	[BYB] Siemens ADVIA 2400
25.70 ± 0.35	54.98 ± 0.53	37.63 ± 0.33	75.39 ± 0.78	57.12 ± 0.58	n = 60	[DUD] Siemens Dimension
25.44 ± 0.35	55.44 ± 0.96	37.37 ± 0.59	75.90 ± 1.05	57.37 ± 0.52	n = 11	[DUT] Siemens Dimension Vista
<Reagents>						
24.45 ± 1.18	52.83 ± 2.92	35.74 ± 2.31	72.94 ± 2.89	54.75 ± 2.57	n = 20	[AB1] Abbott
24.08 ± 0.72	55.05 ± 1.65	36.66 ± 1.23	76.48 ± 2.05	57.13 ± 1.24	n = 42	[BC1] Beckman Coulter
27.47 ± 1.38	59.51 ± 4.63	40.27 ± 3.33	83.60 ± 5.11	60.82 ± 3.65	n = 7	[OL1] Beckman Coulter AU Series
27.55 ± 0.75	55.66 ± 1.11	38.51 ± 0.93	76.24 ± 1.98	57.68 ± 1.21	n = 31	[JJ1] Ortho Clinical Diagnostics
24.27 ± 0.37	57.28 ± 0.88	37.96 ± 0.73	79.09 ± 3.33	59.97 ± 1.09	n = 7	[R04] Roche cobas c501
25.31 ± 0.93	54.96 ± 1.05	37.62 ± 1.13	75.64 ± 1.04	57.02 ± 1.00	n = 11	[R02] Roche Hitachi and Modular D/P
23.93 ± 0.45	52.44 ± 0.89	35.53 ± 0.55	72.71 ± 0.86	54.78 ± 0.93	n = 12	[R01] Roche Integra and MIRA
25.58 ± 1.41	56.49 ± 1.15	37.89 ± 1.24	77.76 ± 1.94	58.33 ± 1.76	n = 12	[BY1] Siemens ADVIA/ADVIA Centaur
25.68 ± 0.34	55.06 ± 0.60	37.62 ± 0.35	75.49 ± 0.84	57.15 ± 0.59	n = 69	[DA1] Siemens Dimension/Stratus
26.70 ± 0.74	55.46 ± 4.01	40.86 ± 1.70	76.66 ± 5.70	58.46 ± 4.24	n = 4	[SY5] Syva Emit tox

Summary of Participant Performance (Mean and Standard Deviation)

Theophylline (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
20.02 ± 1.42 20.0	7.78 ± 0.54 7.9	29.71 ± 2.13 30.0	25.37 ± 1.34 26.0	12.05 ± 0.85 12.2	n = 233	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
19.64 ± 0.63	7.66 ± 0.17	29.56 ± 1.85	25.64 ± 0.93	12.06 ± 0.44	n = 17	[ABB] Abbott AxSym
18.84 ± 0.82	7.55 ± 0.39	28.83 ± 1.03	25.09 ± 1.70	11.91 ± 0.45	n = 4	[ABG] Abbott TDX FLX
19.21 ± 1.57	7.26 ± 0.34	28.56 ± 2.07	24.76 ± 1.59	11.30 ± 0.70	n = 10	[OLC] Beckman Coulter AU Chemistry System
19.61 ± 1.01	7.73 ± 0.51	28.81 ± 0.88	25.06 ± 0.90	11.29 ± 0.31	n = 4	[BCS] Beckman Coulter CX
19.11 ± 0.56	7.72 ± 0.21	28.68 ± 1.17	24.72 ± 0.83	11.88 ± 0.44	n = 13	[BCX] Beckman Coulter LX-20
19.26 ± 1.08	7.70 ± 0.62	29.29 ± 1.36	25.14 ± 1.27	11.93 ± 0.89	n = 11	[BCG] Beckman Coulter UniCel Dx C 600
18.75 ± 0.78	7.41 ± 0.32	28.28 ± 0.97	24.46 ± 0.83	11.43 ± 0.48	n = 17	[BCH] Beckman Coulter UniCel Dx C 800
22.90 ± 0.83	8.91 ± 0.67	35.11 ± 2.08	32.61 ± 1.53	14.24 ± 0.68	n = 24	[JJF] Ortho Vitros 5,1FS
19.66 ± 0.61	7.73 ± 0.30	29.41 ± 1.03	25.27 ± 0.64	12.07 ± 0.41	n = 10	[ROC] Roche cobas c501
20.28 ± 0.28	7.95 ± 0.17	29.96 ± 1.50	25.79 ± 0.59	12.21 ± 0.35	n = 15	[ROT] Roche Cobas INTEGRA
19.82 ± 0.92	7.41 ± 0.60	29.53 ± 0.49	25.71 ± 1.22	11.81 ± 0.77	n = 14	[ROD] Roche MODULAR D/P
20.01 ± 0.56	7.93 ± 0.05	29.63 ± 0.59	25.52 ± 0.94	12.15 ± 0.27	n = 3	[BYE] Siemens ADVIA 1800
20.55 ± 1.37	8.03 ± 0.78	29.11 ± 1.73	24.95 ± 1.40	11.98 ± 1.11	n = 18	[COB] Siemens ADVIA Centaur
20.23 ± 0.91	7.80 ± 0.37	30.22 ± 1.65	25.81 ± 1.15	12.05 ± 0.52	n = 49	[DUD] Siemens Dimension
19.72 ± 1.01	7.53 ± 0.39	29.24 ± 1.19	25.15 ± 1.05	11.92 ± 0.43	n = 12	[DUT] Siemens Dimension Vista
<Reagents>						
19.61 ± 0.86	7.71 ± 0.27	29.66 ± 1.97	25.73 ± 1.20	12.09 ± 0.47	n = 23	[AB1] Abbott
19.01 ± 0.82	7.57 ± 0.44	28.65 ± 1.17	24.72 ± 0.94	11.64 ± 0.61	n = 45	[BC1] Beckman Coulter
19.17 ± 1.77	7.26 ± 0.38	28.90 ± 2.31	25.01 ± 1.75	11.27 ± 0.69	n = 7	[OL1] Beckman Coulter AU Series
19.63 ± 0.57	6.97 ± 0.43	28.26 ± 2.68	25.61 ± 1.31	11.61 ± 0.40	n = 4	[MG1] Microgenics CEDIA
22.89 ± 0.79	8.82 ± 0.61	35.26 ± 1.93	32.76 ± 1.48	14.22 ± 0.64	n = 28	[JJ1] Ortho Clinical Diagnostics
19.66 ± 0.61	7.73 ± 0.30	29.41 ± 1.03	25.27 ± 0.64	12.07 ± 0.41	n = 10	[R04] Roche cobas c501
19.63 ± 1.33	7.51 ± 0.74	29.11 ± 1.82	25.34 ± 1.68	11.91 ± 1.06	n = 4	[R02] Roche Hitachi and Modular D/P
20.28 ± 0.28	7.95 ± 0.17	29.96 ± 1.50	25.79 ± 0.59	12.21 ± 0.35	n = 15	[R01] Roche Integra and MIRA
19.90 ± 0.87	7.54 ± 0.37	29.40 ± 0.78	25.79 ± 0.87	11.89 ± 0.67	n = 7	[R06] Roche ONLINE
20.36 ± 1.24	8.02 ± 0.59	29.13 ± 1.53	25.03 ± 1.31	11.99 ± 0.91	n = 24	[BY1] Siemens ADVIA/ADVIA Centaur
20.26 ± 0.92	7.78 ± 0.36	29.81 ± 1.45	25.65 ± 1.17	12.07 ± 0.49	n = 32	[DA4] Siemens Dimension PETINIA
20.06 ± 0.92	7.73 ± 0.40	30.26 ± 1.71	25.75 ± 1.13	11.99 ± 0.53	n = 28	[DA1] Siemens Dimension/Stratus
19.28 ± 1.03	7.27 ± 0.23	28.01 ± 1.65	24.34 ± 1.18	11.36 ± 0.71	n = 3	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Tobramycin (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
7.21 ± 0.74 7.0	13.67 ± 1.64 13.6	10.73 ± 1.15 10.5	4.54 ± 0.53 4.5	11.51 ± 1.19 11.4	n = 86	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
7.90 ± 0.74	15.93 ± 1.33	12.31 ± 1.14	5.07 ± 0.32	13.24 ± 1.21	n = 13	[ABB] Abbott AxSym
6.91 ± 0.21	13.16 ± 0.85	9.90 ± 0.22	4.04 ± 0.15	10.40 ± 0.79	n = 6	[OLC] Beckman Coulter AU Chemistry System
8.20 ± 0.42	14.91 ± 1.41	11.99 ± 0.11	5.21 ± 0.27	12.16 ± 0.46	n = 4	[BCX] Beckman Coulter LX-20
8.13 ± 0.31	14.91 ± 1.08	11.85 ± 0.19	5.22 ± 0.32	12.21 ± 0.72	n = 3	[BCG] Beckman Coulter UniCel DxC 600
8.38 ± 0.19	14.61 ± 1.67	12.06 ± 0.23	5.40 ± 0.10	12.59 ± 0.43	n = 7	[BCH] Beckman Coulter UniCel DxC 800
7.07 ± 0.08	14.62 ± 0.42	11.05 ± 0.72	4.23 ± 0.09	12.22 ± 0.36	n = 4	[JJF] Ortho Vitros 5,1FS
6.47 ± 0.26	12.62 ± 0.72	9.74 ± 0.50	4.00 ± 0.15	10.54 ± 0.80	n = 11	[ROT] Roche Cobas INTEGRA
6.89 ± 0.31	12.48 ± 1.67	9.86 ± 0.42	4.29 ± 0.38	10.47 ± 0.49	n = 4	[ROD] Roche MODULAR D/P
7.53 ± 0.36	15.01 ± 1.64	11.45 ± 0.63	4.79 ± 0.17	12.19 ± 0.61	n = 6	[COB] Siemens ADVIA Centaur
6.95 ± 0.30	13.32 ± 0.47	10.37 ± 0.31	4.43 ± 0.10	11.19 ± 0.36	n = 15	[DUD] Siemens Dimension
6.65 ± 0.14	11.90 ± 0.36	10.00 ± 0.16	4.30 ± 0.16	10.73 ± 0.38	n = 6	[DUT] Siemens Dimension Vista
<Reagents>						
7.67 ± 0.85	15.41 ± 1.75	11.81 ± 1.52	4.93 ± 0.44	12.82 ± 1.46	n = 16	[AB1] Abbott
8.29 ± 0.30	14.79 ± 1.46	11.98 ± 0.17	5.34 ± 0.21	12.41 ± 0.53	n = 14	[BC1] Beckman Coulter
6.90 ± 0.18	12.92 ± 1.12	9.77 ± 0.14	3.94 ± 0.10	10.36 ± 1.11	n = 3	[OL1] Beckman Coulter AU Series
7.43 ± 0.05	13.24 ± 1.00	10.68 ± 0.24	4.80 ± 0.09	11.38 ± 0.24	n = 3	[MG1] Microgenics CEDIA
7.07 ± 0.08	14.62 ± 0.42	11.05 ± 0.72	4.23 ± 0.09	12.22 ± 0.36	n = 4	[JJ1] Ortho Clinical Diagnostics
6.47 ± 0.26	12.62 ± 0.72	9.74 ± 0.50	4.00 ± 0.15	10.54 ± 0.80	n = 11	[R01] Roche Integra and MIRA
6.77 ± 0.14	11.84 ± 1.46	9.68 ± 0.15	4.15 ± 0.19	10.25 ± 0.27	n = 3	[R06] Roche ONLINE
7.60 ± 0.39	15.30 ± 1.71	11.50 ± 0.70	4.82 ± 0.18	12.09 ± 0.71	n = 5	[BY1] Siemens ADVIA/ADVIA Centaur
6.77 ± 0.28	12.58 ± 0.73	10.18 ± 0.26	4.39 ± 0.13	10.97 ± 0.38	n = 14	[DA4] Siemens Dimension PETINIA
7.01 ± 0.23	13.58 ± 0.32	10.48 ± 0.40	4.43 ± 0.11	11.32 ± 0.42	n = 7	[DA1] Siemens Dimension/Stratus
6.88 ± 0.21	13.23 ± 0.43	9.97 ± 0.20	4.20 ± 0.15	10.45 ± 0.37	n = 4	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Valproic Acid (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
58.40 ± 5.40 58.1	40.06 ± 3.52 40.3	85.84 ± 8.59 87.2	74.12 ± 6.75 74.7	128.55 ± 15.40 131.1	n = 254	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
59.53 ± 1.32	40.66 ± 1.54	85.67 ± 0.69	74.57 ± 0.86	120.88 ± 0.78	n = 3	[ABH] Abbott Architect
58.52 ± 2.53	39.97 ± 1.66	87.59 ± 3.56	76.04 ± 2.93	133.84 ± 5.81	n = 21	[ABB] Abbott AxSym
57.97 ± 3.40	39.40 ± 2.95	86.24 ± 6.34	74.79 ± 5.26	137.03 ± 1.76	n = 5	[ABG] Abbott TDx FLX
64.74 ± 2.66	44.05 ± 1.75	95.56 ± 4.15	80.87 ± 2.93	143.54 ± 6.50	n = 16	[OLC] Beckman Coulter AU Chemistry System
55.68 ± 3.79	38.88 ± 3.80	75.29 ± 2.72	68.15 ± 3.05	104.23 ± 6.74	n = 5	[BCS] Beckman Coulter CX
49.72 ± 2.93	35.21 ± 3.05	71.15 ± 3.33	61.62 ± 3.87	97.97 ± 3.08	n = 12	[BCX] Beckman Coulter LX-20
51.80 ± 3.66	37.20 ± 2.93	73.09 ± 3.87	63.86 ± 3.46	101.61 ± 4.02	n = 11	[BCG] Beckman Coulter UniCel DxC 600
50.70 ± 4.00	36.52 ± 3.69	72.10 ± 4.51	63.36 ± 4.25	100.46 ± 6.35	n = 17	[BCH] Beckman Coulter UniCel DxC 800
54.59 ± 3.68	35.46 ± 2.94	87.21 ± 4.94	73.85 ± 3.33	137.63 ± 4.51	n = 18	[JJF] Ortho Vitros 5,1FS
63.82 ± 3.17	41.88 ± 2.86	93.37 ± 7.08	80.77 ± 5.04	139.54 ± 6.27	n = 11	[ROC] Roche cobas c501
58.00 ± 1.01	39.49 ± 0.71	87.27 ± 2.15	74.07 ± 1.74	131.69 ± 4.31	n = 17	[ROT] Roche Cobas INTEGRA
61.62 ± 7.37	42.75 ± 5.34	89.54 ± 9.06	76.47 ± 5.92	134.75 ± 11.51	n = 15	[ROD] Roche MODULAR D/P
50.50 ± 1.31	36.54 ± 1.06	72.96 ± 1.43	63.42 ± 0.79	109.34 ± 3.74	n = 4	[BYE] Siemens ADVIA 1800
58.22 ± 1.82	39.94 ± 0.74	85.04 ± 2.40	73.77 ± 2.12	126.01 ± 6.00	n = 20	[COB] Siemens ADVIA Centaur
60.30 ± 2.96	41.12 ± 2.05	88.05 ± 4.21	75.60 ± 3.62	129.63 ± 7.36	n = 56	[DUD] Siemens Dimension
63.65 ± 2.41	44.00 ± 2.61	90.95 ± 3.91	80.00 ± 2.80	134.24 ± 6.27	n = 11	[DUT] Siemens Dimension Vista
<Reagents>						
58.64 ± 2.40	40.05 ± 1.75	87.31 ± 3.55	75.85 ± 2.88	132.94 ± 7.23	n = 29	[AB1] Abbott
51.16 ± 3.98	36.52 ± 3.41	72.44 ± 4.01	63.49 ± 4.22	100.39 ± 5.25	n = 46	[BC1] Beckman Coulter
65.33 ± 2.35	44.46 ± 1.96	97.07 ± 4.09	81.65 ± 3.32	144.50 ± 7.11	n = 10	[OL1] Beckman Coulter AU Series
54.79 ± 3.44	35.56 ± 2.65	87.17 ± 4.43	73.87 ± 3.03	138.04 ± 4.35	n = 20	[JJ1] Ortho Clinical Diagnostics
63.82 ± 3.17	41.88 ± 2.86	93.37 ± 7.08	80.77 ± 5.04	139.54 ± 6.27	n = 11	[R04] Roche cobas c501
65.60 ± 1.69	46.05 ± 0.92	97.60 ± 3.77	82.52 ± 2.62	145.96 ± 8.93	n = 4	[R02] Roche Hitachi and Modular D/P
58.00 ± 1.01	39.49 ± 0.71	87.27 ± 2.15	74.07 ± 1.74	131.69 ± 4.31	n = 17	[R01] Roche Integra and MIRA
59.45 ± 6.81	40.74 ± 4.20	85.86 ± 5.91	74.71 ± 4.57	130.92 ± 9.96	n = 11	[R06] Roche ONLINE
57.28 ± 3.28	39.73 ± 1.57	82.99 ± 5.68	71.95 ± 4.68	123.08 ± 8.73	n = 27	[BY1] Siemens ADVIA/ADVIA Centaur
61.19 ± 3.61	41.79 ± 2.82	88.71 ± 5.19	76.99 ± 4.68	132.13 ± 7.84	n = 31	[DA4] Siemens Dimension PETINIA
60.60 ± 2.64	41.31 ± 1.70	88.33 ± 3.59	75.70 ± 3.45	129.54 ± 6.91	n = 36	[DA1] Siemens Dimension/Stratus
63.29 ± 3.35	43.45 ± 1.85	93.28 ± 3.43	79.79 ± 3.13	143.88 ± 4.99	n = 6	[SY4] Syva Emit 2000

Summary of Participant Performance (Mean and Standard Deviation)

Vancomycin (mg/L)

Specimen: T31	Specimen: T32	Specimen: T33	Specimen: T34	Specimen: T35	Number	[Code] Instrument or Reagent System
24.70 ± 2.55 25.9	6.12 ± 0.77 6.9	36.94 ± 4.08 38.9	42.48 ± 4.96 44.7	16.93 ± 2.00 19.2	n = 216	[---] All Methods & Instruments [---] Weigh-in Value
<Instruments>						
25.01 ± 0.74	6.53 ± 0.32	36.27 ± 4.21	41.46 ± 3.84	19.14 ± 1.17	n = 3	[ABH] Abbott Architect
25.42 ± 0.97	6.68 ± 0.50	37.71 ± 1.51	43.30 ± 1.83	19.10 ± 0.86	n = 18	[ABB] Abbott AxSym
25.03 ± 1.15	6.55 ± 0.61	35.51 ± 1.29	40.60 ± 1.34	19.37 ± 0.80	n = 4	[ABG] Abbott TDx FLX
22.94 ± 0.29	6.04 ± 0.45	35.14 ± 1.20	40.52 ± 2.69	16.03 ± 0.66	n = 10	[OLC] Beckman Coulter AU Chemistry System
25.09 ± 2.36	6.54 ± 0.98	40.96 ± 4.03	44.10 ± 3.91	15.81 ± 1.01	n = 3	[BCS] Beckman Coulter CX
26.88 ± 1.30	6.35 ± 0.82	40.44 ± 3.75	48.22 ± 4.80	17.49 ± 1.48	n = 12	[BCX] Beckman Coulter LX-20
25.55 ± 1.70	5.85 ± 0.19	39.47 ± 1.94	45.50 ± 4.20	16.53 ± 1.10	n = 7	[BCG] Beckman Coulter UniCel Dx C 600
26.25 ± 1.50	6.24 ± 0.63	40.42 ± 2.44	47.57 ± 3.63	17.04 ± 0.79	n = 15	[BCH] Beckman Coulter UniCel Dx C 800
24.56 ± 1.10	6.43 ± 0.41	36.67 ± 1.39	41.68 ± 1.76	16.88 ± 0.81	n = 16	[JJF] Ortho Vitros 5,1FS
27.20 ± 1.37	6.62 ± 0.61	41.71 ± 3.25	46.53 ± 3.16	18.76 ± 1.11	n = 7	[ROC] Roche cobas c501
27.46 ± 0.73	6.57 ± 0.26	40.79 ± 1.73	46.95 ± 2.06	19.50 ± 0.61	n = 16	[ROT] Roche Cobas INTEGRA
28.17 ± 1.51	6.97 ± 0.34	42.49 ± 2.02	50.52 ± 3.09	19.23 ± 0.96	n = 11	[ROD] Roche MODULAR D/P
26.07 ± 0.42	7.70 ± 0.99	39.97 ± 0.97	46.92 ± 1.25	19.91 ± 0.74	n = 3	[BYE] Siemens ADVIA 1800
19.32 ± 1.87	4.72 ± 0.61	29.29 ± 2.50	34.20 ± 3.18	13.96 ± 1.20	n = 25	[COB] Siemens ADVIA Centaur
23.59 ± 1.06	5.78 ± 0.34	35.28 ± 1.57	40.55 ± 1.66	15.84 ± 0.67	n = 48	[DUD] Siemens Dimension
23.55 ± 0.59	6.11 ± 0.31	34.31 ± 1.13	39.27 ± 1.77	16.31 ± 0.64	n = 12	[DUT] Siemens Dimension Vista
<Reagents>						
25.31 ± 0.99	6.64 ± 0.50	37.22 ± 2.11	42.67 ± 2.35	19.14 ± 0.90	n = 25	[AB1] Abbott
26.31 ± 1.64	6.22 ± 0.71	40.25 ± 3.01	47.07 ± 4.34	16.98 ± 1.17	n = 37	[BC1] Beckman Coulter
22.88 ± 0.35	6.18 ± 0.47	35.03 ± 1.31	41.42 ± 3.18	16.00 ± 0.66	n = 6	[OL1] Beckman Coulter AU Series
24.49 ± 1.10	6.39 ± 0.44	36.55 ± 1.44	41.65 ± 1.70	16.83 ± 0.80	n = 17	[JJ1] Ortho Clinical Diagnostics
27.20 ± 1.37	6.62 ± 0.61	41.71 ± 3.25	46.53 ± 3.16	18.76 ± 1.11	n = 7	[R04] Roche cobas c501
28.21 ± 1.10	6.91 ± 0.50	43.02 ± 1.80	51.67 ± 2.28	19.13 ± 1.08	n = 6	[R02] Roche Hitachi and Modular D/P
27.46 ± 0.73	6.57 ± 0.26	40.79 ± 1.73	46.95 ± 2.06	19.50 ± 0.61	n = 16	[R01] Roche Integra and MIRA
28.22 ± 1.95	7.04 ± 0.20	41.77 ± 2.12	48.96 ± 3.25	19.33 ± 0.78	n = 5	[R06] Roche ONLINE
20.14 ± 3.01	4.91 ± 0.91	30.50 ± 4.30	35.68 ± 5.23	14.38 ± 2.01	n = 30	[BY1] Siemens ADVIA/ADVIA Centaur
23.60 ± 0.92	5.85 ± 0.44	34.54 ± 1.36	39.86 ± 1.78	15.96 ± 0.75	n = 27	[DA4] Siemens Dimension PETINIA
23.53 ± 1.04	5.83 ± 0.31	35.47 ± 1.53	40.67 ± 1.67	15.91 ± 0.64	n = 32	[DA1] Siemens Dimension/Stratus
23.29 ± 0.51	5.86 ± 0.42	35.19 ± 2.02	39.94 ± 2.43	16.09 ± 0.68	n = 7	[SY4] Syva Emit 2000