Chemistry Urine/Fluids

Name	Line No.	Specimen 1 Range & Type	Specimen 1 Mean	Specimen 1 SD	Specimen 2 Range & Type	Specimen 2 Mean	Specimen 2 SD	Specimen 3 Range & Type	Specimen 3 Mean	Specimen 3 SD	Specimen 4 Range & Type	Specimen 4 Mean	Specimen 4 SD	Specimen 5 Range & Type	Specimen 5 Mean	Specimen 5 SD	No. of Labs
Amylase - Urine Chemistry																	
Initial Grouping by Reagent and Instrument																	
Siemens Dimension & Siemens Dimension EXL	1	224 - 416	P 320.0	4.0	94 - 174	P 134.2	4.6	-			-			-			5
Initial Grouping by Reagent																	
Siemens Dimension	2	224 - 416	P 320.2	3.7	95 - 176	P 135.7	5.3	-			-			-			6
Initial Grouping by Sensitivity or Principle																	
Standardized methods	3	203 - 377	P 289.9	40.9	88 - 163	P 125.5	15.0	-			-			-			10
Total Population																	
Whole Population	4	202 - 375	P 288.5	39.2	88 - 163	P 125.2	14.3	-			-			-			11
Calcium - Urine Chemistry																	
Initial Grouping by Reagent and Instrument																	
Beckman Olympus Arsenazo & Beckman AU 480	1	3.5 - 5.5	C 4.5	0.27	8.0 - 10.0	C 9.03	0.43	-			-			-			4
Roche Cobas & Roche Cobas 6000, 8000	2	3.2 - 5.2	C 4.24	0.14	8.3 - 10.3	C 9.26	0.3	-			-			-			5
Siemens Dimension & Siemens Dimension EXL	3	3.8 - 5.8	C 4.8	0.19	8.2 - 10.2	C 9.23	0.24	-			-			-			7
Initial Grouping by Reagent																	
Beckman Olympus Arsenazo	4	3.5 - 5.5	C 4.52	0.25	8.1 - 10.1	C 9.06	0.39	-			-			-			5
Roche Cobas	5	3.2 - 5.2	C 4.24	0.14	8.3 - 10.3	C 9.26	0.3	-			-			-			5
Siemens Dimension	6	3.8 - 5.8	C 4.83	0.19	8.2 - 10.2	C 9.21	0.23	-			-			-			8
Initial Grouping by Sensitivity or Principle																	
Arsenazo-based	7	3.4 - 5.4	C 4.42	0.39	8.0 - 10.0	C 8.99	0.41	-			-			-			13
OCPC (o-cresolphth complex)	8	3.6 - 5.6	C 4.59	0.32	8.2 - 10.2	C 9.21	0.27	-			-			-			15
Total Population																	
Whole Population	9	3.5 - 5.5	C 4.51	0.37	8.1 - 10.1	C 9.1	0.36	-			-			-			28
Chloride - Urine Chemistry																	
Initial Grouping by Reagent and Instrument																	
Abbott Architect & Abbott Architect c, ci, i	1	219 - 242	P 230.2	2.0	75 - 83	P 79.2	0.9	-			-			-			6
Siemens Dimen Xpand, ExL & Siemens Dimension EXL	2	227 - 251	P 238.9	6.3	82 - 90	P 85.8	1.1	-			-			-			13
Initial Grouping by Reagent																	
Abbott Architect	3	219 - 242	P 230.2	2.0	75 - 83	P 79.2	0.9	-			-			-			6
Beckman Olympus	4	227 - 250	P 238.5	4.5	75 - 83	P 79.0	1.0	-			-			-			4
Siemens Dimen Xpand, ExL	5	227 - 251	P 239.2	6.2	81 - 89	P 85.1	2.7	-			-			-			14
Initial Grouping by Sensitivity or Principle																	
Diluted ISE	6	224 - 248	P 235.8	6.7	78 - 86	P 82.0	3.7	-			-			-			29
Roche ISE	7	223 - 247	P 235.0	8.3	65 - 72	P 68.8	2.1	-			-			-			6
Total Population																	
Whole Population	8	223 - 247	P 235.1	6.9	76 - 84	P 79.7	5.8	-			-			-			38
Glucose - Urine Chemistry																	
Initial Grouping by Reagent and Instrument																	
Siemens Dimension & Siemens Dimension EXL	1	269 - 328	P 298.6	18.0	19 - 31	C 24.6	1.4	-			-			-			5
Initial Grouping by Reagent																	
Siemens Dimension	2	265 - 324	P 294.2	19.2	18 - 30	C 24.2	1.6	-			-			-			6
Initial Grouping by Sensitivity or Principle																	
HexoKinase (HK) low recov	3	263 - 322	P 292.5	13.9	18 - 30	C 24.0	1.5	-			-			-			15
Total Population																	
Whole Population	4	263 - 322	P 292.5	13.9	18 - 30	C 24.0	1.5	-			-			-			15

Magnesium - Urine Chem

Initial Grouping by Reagent and Instrument											
Siemens Dimen Xpand, ExL & Siemens Dimension EXL	1	6.6 - 11.1	P 8.86	0.14	2.1 - 3.5	P 2.82	0.07	-	-	-	5
Initial Grouping by Reagent											
Siemens Dimen Xpand, ExL	2	6.6 - 11.1	P 8.85	0.13	2.2 - 3.6	P 2.87	0.12	-	-	-	6
Initial Grouping by Sensitivity or Principle											
MTB (methylthymol blue)	3	6.6 - 11.1	P 8.85	0.13	2.2 - 3.6	P 2.87	0.12	-	-	-	6
Total Population											
Whole Population	4	6.7 - 11.2	P 8.98	0.28	2.2 - 3.7	P 2.94	0.17	-	-	-	12

Osmolality - Urine Chemistry

Total Population											
Whole Population	1	687 - 840	P 763.7	87.9	356 - 436	P 396.0	2.2	-	-	-	3

Phosphorous - Urine Chemistry

Initial Grouping by Reagent and Instrument											
Roche Cobas & Roche Cobas 6000, 8000	1	57 - 77	P 67.3	1.2	16 - 22	C 18.5	0.9	-	-	-	4
Siemens Dimension & Siemens Dimension EXL	2	60 - 81	P 70.3	2.4	17 - 23	C 19.5	1.5	-	-	-	6
Initial Grouping by Reagent											
Roche Cobas	3	57 - 77	P 67.3	1.2	16 - 22	C 18.5	0.9	-	-	-	4
Siemens Dimension	4	59 - 80	P 69.3	3.4	16 - 22	C 19.3	1.5	-	-	-	7
Initial Grouping by Sensitivity or Principle											
UV-bichromatic-sam blanked	5	57 - 77	P 67.2	3.6	16 - 22	C 18.7	1.3	-	-	-	15
Total Population											
Whole Population	6	57 - 77	P 67.2	3.5	16 - 22	C 19.1	1.6	-	-	-	21

Potassium - Urine Chemistry

Initial Grouping by Reagent and Instrument											
Abbott Architect & Abbott Architect c, ci, i	1	84 - 113	P 98.4	0.9	19 - 26	P 22.7	0.5	-	-	-	7
Siemens Dimen Xpand, ExL & Siemens Dimension EXL	2	86 - 116	P 100.7	2.3	20 - 26	P 23.0	0.0	-	-	-	13
Initial Grouping by Reagent											
Abbott Architect	3	84 - 113	P 98.4	0.9	19 - 26	P 22.7	0.5	-	-	-	7
Beckman Coulter	4	84 - 113	P 98.5	2.3	19 - 26	P 22.5	0.5	-	-	-	4
Beckman Olympus	5	86 - 116	P 101.0	3.6	20 - 27	P 23.8	0.4	-	-	-	4
Ortho Vitros	6	90 - 122	P 106.3	2.6	20 - 26	P 23.0	0.0	-	-	-	4
Siemens Dimen Xpand, ExL	7	86 - 116	P 101.1	2.6	19 - 26	P 22.9	0.3	-	-	-	14
Initial Grouping by Sensitivity or Principle											
Diluted ISE results	8	85 - 115	P 99.9	2.7	20 - 26	P 23.0	0.5	-	-	-	34
Undiluted ISE results	9	88 - 119	P 103.3	4.1	20 - 27	P 23.1	0.3	-	-	-	7
Total Population											
Whole Population	10	85 - 116	P 100.5	3.2	20 - 26	P 23.0	0.5	-	-	-	41

Sodium - Urine Chemistry

Initial Grouping by Reagent and Instrument											
Abbott Architect & Abbott Architect c, ci, i	1	173 - 188	P 180.3	1.5	82 - 90	C 86.3	0.7	-	-	-	7
Siemens Dimen Xpand, ExL & Siemens Dimension EXL	2	169 - 183	P 176.2	2.7	84 - 92	C 87.6	1.1	-	-	-	13
Initial Grouping by Reagent											
Abbott Architect	3	173 - 188	P 180.3	1.5	82 - 90	C 86.3	0.7	-	-	-	7
Beckman Coulter	4	173 - 187	P 179.8	3.8	83 - 91	C 87.0	1.0	-	-	-	4
Beckman Olympus	5	175 - 189	P 182.0	3.2	82 - 90	C 85.8	0.4	-	-	-	4
Ortho Vitros	6	177 - 192	P 184.8	5.2	83 - 91	C 86.5	1.5	-	-	-	4
Siemens Dimen Xpand, ExL	7	169 - 183	P 175.9	2.7	83 - 91	C 87.4	1.4	-	-	-	15
Initial Grouping by Sensitivity or Principle											
Diluted ISE	8	172 - 186	P 179.0	3.9	83 - 91	C 87.1	1.4	-	-	-	35
Undiluted ISE	9	178 - 193	P 185.4	4.6	85 - 93	C 88.6	2.2	-	-	-	7
Total Population											
Whole Population	10	173 - 187	P 179.9	4.7	83 - 91	C 87.3	1.6	-	-	-	43

Protein, Total - Urine Chemistry

Initial Grouping by Reagent and Instrument											
Abbott & Abbott Architect c, ci, i	1	71.6 - 119.3	P 95.44	4.92	5.4 - 8.9	P 7.16	0.56	-	-	-	8
Beckman Olympus & Beck Olym AU 400/600/5400	2	75.2 - 125.3	P 100.25	5.4	6.2 - 10.3	P 8.25	0.43	-	-	-	4
Beckman Olympus & Beckman AU 480	3	74.9 - 124.8	P 99.8	2.02	6.1 - 10.2	P 8.13	0.19	-	-	-	4
Roche/Hitachi & Roche Cobas 6000, 8000	4	66.0 - 110.1	P 88.05	1.02	5.0 - 8.3	P 6.63	0.54	-	-	-	4
Siemens Dimension & Siemens Dimension EXL	5	76.8 - 128.0	P 102.38	1.94	9.6 - 15.9	P 12.74	1.59	-	-	-	15
Initial Grouping by Reagent											
Abbott	6	71.6 - 119.3	P 95.44	4.92	5.4 - 8.9	P 7.16	0.56	-	-	-	8
Beckman Coulter	7	79.7 - 132.9	P 106.3	2.8	6.7 - 11.1	P 8.87	0.82	-	-	-	4
Beckman Olympus	8	75.0 - 125.0	P 99.99	3.85	6.6 - 11.1	P 8.85	1.75	-	-	-	9
Roche/Hitachi	9	66.6 - 111.1	P 88.84	1.82	4.9 - 8.1	P 6.5	0.54	-	-	-	5
Siemens Dimension	10	76.8 - 128.0	P 102.36	1.88	9.3 - 15.5	P 12.41	2.34	-	-	-	18
Initial Grouping by Sensitivity or Principle											
Bichromatic-no sam blanks	11	71.6 - 119.3	P 95.44	4.92	5.4 - 8.9	P 7.16	0.56	-	-	-	8
Rate	12	79.7 - 132.9	P 106.3	2.8	6.7 - 11.1	P 8.87	0.82	-	-	-	4
Pyrogallol red	13	75.2 - 125.3	P 100.2	4.31	6.7 - 11.2	P 8.96	1.6	-	-	-	11
Roche	14	66.2 - 110.4	P 88.31	1.75	4.7 - 7.9	P 6.3	0.56	-	-	-	7
Bichromatic-sample blanked	15	76.8 - 128.0	P 102.36	1.88	9.3 - 15.5	P 12.41	2.34	-	-	-	18
Total Population											
Whole Population	16	75.7 - 126.1	P 100.88	10.16	7.6 - 12.7	P 10.16	3.83	-	-	-	51

Urea Nitrogen - Urine Chemistry

Initial Grouping by Reagent and Instrument											
Siemens Dimension & Siemens Dimension EXL	1	679 - 814	P 746.5	23.9	406 - 486	P 445.8	16.3	-	-	-	4
Initial Grouping by Reagent											
Siemens Dimension	2	669 - 801	P 734.7	27.8	402 - 481	P 441.3	18.2	-	-	-	6
Initial Grouping by Sensitivity or Principle											
Glutamate DH-rate methods	3	631 - 755	P 692.9	57.1	374 - 448	P 411.4	31.4	-	-	-	16
Total Population											
Whole Population	4	630 - 755	P 692.7	55.3	375 - 449	P 411.9	30.5	-	-	-	17

Uric Acid - Urine Chemistry

Initial Grouping by Reagent and Instrument											
Roche Cobas & Roche Cobas 6000, 8000	1	5.9 - 8.3	P 7.13	0.25	3.0 - 4.2	P 3.63	0.08	-	-	-	4
Initial Grouping by Reagent											
Roche Cobas	2	5.9 - 8.3	P 7.13	0.25	3.0 - 4.2	P 3.63	0.08	-	-	-	4
Siemens Dimension	3	7.4 - 10.4	P 8.9	0.43	4.4 - 6.3	P 5.36	0.4	-	-	-	5
Initial Grouping by Sensitivity or Principle											
Endpt-corrected(bic or SB)	4	7.1 - 10.0	P 8.57	0.97	4.2 - 5.9	P 5.01	0.67	-	-	-	8
Endpoint-uncorrected	5	6.1 - 8.7	P 7.4	0.46	3.2 - 4.5	P 3.85	0.33	-	-	-	6
Rate	6	7.4 - 10.4	P 8.9	0.43	4.4 - 6.3	P 5.36	0.4	-	-	-	5
Total Population											
Whole Population	7	6.9 - 9.7	P 8.29	0.94	3.9 - 5.5	P 4.74	0.8	-	-	-	19

Albumin, Body Fluid

Total Population											
Whole Population	1	5.4 - 6.9	P 6.15	0.31	-			-	-	-	6

Amylase - Body Fluid

Initial Grouping by Reagent											
Siemens Dimension	1	453.6 - 842.4	P 648.0	13.93	-			-	-	-	4
Initial Grouping by Sensitivity or Principle											
Standardized methods	2	427.9 - 794.6	P 611.25	64.79	-			-	-	-	6
Total Population											
Whole Population	3	416.9 - 774.3	P 595.6	65.86	-			-	-	-	7

Chloride - Body Fluid

Initial Grouping by Reagent									
Siemens Dimen Xpand, ExL	1	104 - 114	P 109.0	4.1	-	-	-	-	5
Initial Grouping by Sensitivity or Principle									
Undiluted ISE	2	104 - 114	P 109.0	4.1	-	-	-	-	5
Total Population									
Whole Population	3	104 - 115	P 109.8	3.9	-	-	-	-	8

Cholesterol Total - Body Fluid

Initial Grouping by Sensitivity or Principle									
All enzymatic cholesterol	1	228 - 279	P 253.5	3.6	-	-	-	-	4
Total Population									
Whole Population	2	228 - 279	P 253.5	3.6	-	-	-	-	4

Creatinine - Body Fluid

Initial Grouping by Reagent									
Siemens Dimension	1	0.3 - 6.3	C 3.34	0.08	-	-	-	-	5
Initial Grouping by Sensitivity or Principle									
Chemiluminometric	2	0.3 - 6.3	C 3.31	0.08	-	-	-	-	8
Total Population									
Whole Population	3	0.3 - 6.3	C 3.32	0.08	-	-	-	-	9

Glucose - Body Fluid

Initial Grouping by Reagent									
Siemens Dimension	1	129 - 157	P 143.0	3.5	-	-	-	-	8
Initial Grouping by Sensitivity or Principle									
HexoKinase (HK) low recov	2	128 - 157	P 142.4	3.5	-	-	-	-	12
Total Population									
Whole Population	3	129 - 157	P 143.0	3.8	-	-	-	-	17

Lactic Acid, Body Fluid

Total Population									
Whole Population	1	0 - 0.5	C 0.2	0.0	-	-	-	-	2

Lactate Dehydrogenase - Body Fluid

Initial Grouping by Reagent									
Siemens Dimen Xpand, ExL	1	501 - 751	P 626.0	19.9	-	-	-	-	5
Initial Grouping by Sensitivity or Principle									
IFCC Standardized	2	500 - 750	P 624.8	18.4	-	-	-	-	6
Total Population									
Whole Population	3	470 - 706	P 588.1	56.6	-	-	-	-	9

pH - Body Fluid

Total Population									
Whole Population	1	6.117 - 8.117	C 7.1168	0.1658	-	-	-	-	4

Sodium - Body Fluid

Initial Grouping by Reagent									
Siemens Dimen Xpand, ExL	1	141 - 153	P 147.1	2.4	-	-	-	-	7
Initial Grouping by Sensitivity or Principle									
Diluted ISE	2	141 - 153	P 147.1	2.1	-	-	-	-	10
Total Population									
Whole Population	3	141 - 153	P 147.1	2.1	-	-	-	-	10

Protein, Total - Body Fluid

Initial Grouping by Reagent									
Siemens Dimension	1	5.0 - 8.3	P 6.67	0.16	-	-	-	-	7

Initial Grouping by Sensitivity or Principle									
Bichromatic-sample blanked	2	5.0 - 8.3	P 6.67	0.16	-	-	-	-	7
Total Population									
Whole Population	3	4.9 - 8.1	P 6.47	0.28	-	-	-	-	15

Triglycerides - Body Fluid

Initial Grouping by Sensitivity or Principle									
Gly-unc/visible/GPO-based	1	164 - 273	P 218.8	7.2	-	-	-	-	4
Total Population									
Whole Population	2	164 - 273	P 218.8	7.2	-	-	-	-	4

Uric Acid - Body Fluid

Initial Grouping by Sensitivity or Principle									
Rate	1	8.7 - 12.2	P 10.45	0.85	-	-	-	-	6
Total Population									
Whole Population	2	8.7 - 12.2	P 10.45	0.85	-	-	-	-	6