



Urine Chemistry

Name	Line No.	Specimen 1				Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD			
Amylase - Urine Chemistry										
Initial Grouping by Method										
Siemens Dimension	1	95.7 - 177.7	P	136.67	4.80	133.4 - 247.7	P	190.56	4.22	19
Initial Grouping by Sensitivity or Principle										
Low recovery methods	2	80.4 - 149.4	P	114.90	6.30	104.3 - 193.7	P	148.98	49.73	10
Moderate recovery methods	3	98.5 - 182.9	P	140.68	9.81	137.0 - 254.4	P	195.68	11.91	23
High recovery methods	4	138.0 - 256.2	P	197.11	27.32	188.2 - 349.4	P	268.80	39.63	10
Total Population										
Whole Population	5	97.9 - 181.8	P	139.88	19.42	138.5 - 257.2	P	197.82	23.58	48
Calcium - Urine Chemistry										
Initial Grouping by Reagent										
Beckman ISE	1	5.8 - 7.8	C	6.75	0.16	3.1 - 5.1	C	4.09	0.30	12
Siemens Dimension OCPC	2	6.1 - 8.1	C	7.11	0.17	4.0 - 6.0	C	5.00	0.15	21
Initial Grouping by Sensitivity or Principle										
Arsenazo-based	3	5.8 - 7.8	C	6.76	0.24	3.3 - 5.4	C	4.35	0.31	19
OCPC (o-cresolphth complex)	4	6.0 - 8.0	C	7.03	0.24	3.8 - 5.8	C	4.81	0.41	30
Other, electrochemical	5	5.8 - 7.8	C	6.75	0.16	3.1 - 5.1	C	4.09	0.30	12
Total Population										
Whole Population	6	5.9 - 7.9	C	6.88	0.27	3.5 - 5.5	C	4.52	0.46	63
Chloride - Urine Chemistry										
Initial Grouping by Reagent and Instrument										
Beckman dil ISE & Beckman Unicel DXC series	1	159.0 - 176.0	P	167.3	2.1	234.0 - 258.0	P	246.0	5.8	16
Siemens Dimen Xpand, EXL & Siemens Dimension EXL	2	174.0 - 192.0	P	182.8	9.2	245.0 - 271.0	P	258.3	11.2	10
Initial Grouping by Reagent										
Beckman dil ISE	3	159.0 - 176.0	P	167.3	2.5	232.0 - 256.0	P	244.1	7.5	20
Beckman Olympus dil ISE	4	168.0 - 186.0	P	176.9	5.0	245.0 - 270.0	P	257.5	7.8	11
Siemens Dimen Xpand, EXL	5	176.0 - 194.0	P	185.1	8.1	248.0 - 274.0	P	260.8	9.6	16
Initial Grouping by Sensitivity or Principle										

Name	Line No.	Specimen 1			Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD		
Diluted ISE	6	166.0 - 184.0 P	175.0	9.0	241.0 - 267.0 P	253.9	11.0	59	
Total Population									
Whole Population	7	167.0 - 185.0 P	175.8	9.4	241.0 - 267.0 P	254.0	10.6	67	

Creatinine - Urine Chemistry

Initial Grouping by Reagent and Instrument

Beckman Synchron & Beckman Unicel DXC series	1	121.0 - 163.7 P	142.34	2.84	174.5 - 236.1 P	205.26	5.53	11
Beckman Synchron IMDS trace & Beckman Unicel DXC series	2	119.4 - 161.6 P	140.48	4.07	172.9 - 233.9 P	203.39	7.18	14
Beckman Olympus & Beckm Olym AU 400/600/5400	3	105.5 - 142.8 P	124.15	36.80	149.9 - 202.8 P	176.35	52.36	12
Siemens Dimension & Siemens Dimension EXL	4	114.2 - 154.5 P	134.36	6.12	165.6 - 224.1 P	194.84	7.81	14
Siemens Dimension & Siemens Dimension Xpand	5	103.9 - 140.6 P	122.28	2.05	152.6 - 206.4 P	179.50	2.92	18

Initial Grouping by Method

Beckman Synchron	6	121.0 - 163.8 P	142.39	2.93	175.0 - 236.8 P	205.87	6.25	15
Beckman Synchron IMDS trace	7	119.3 - 161.4 P	140.36	4.13	172.7 - 233.7 P	203.21	7.04	16
J&J Vitros	8	107.6 - 145.5 P	126.55	12.22	144.6 - 195.6 P	170.06	28.91	17
Beckman Olympus	9	115.3 - 156.0 P	135.69	3.62	166.4 - 225.1 P	195.74	10.65	17
Siemens Dimension	10	109.9 - 148.6 P	129.26	7.56	160.7 - 217.5 P	189.10	10.59	47

Initial Grouping by Sensitivity or Principle

Chemiluminometric	11	113.0 - 152.8 P	132.89	8.71	162.9 - 220.4 P	191.67	16.37	137	
Total Population									
Whole Population	12	112.6 - 152.3 P	132.46	8.66	163.1 - 220.7 P	191.93	13.32	150	

Glucose - Urine Chemistry

Initial Grouping by Reagent

Siemens Dimension HK	1	130.0 - 159.0 P	144.9	4.3	238.0 - 291.0 P	264.4	7.7	14
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Initial Grouping by Sensitivity or Principle

HexoKinase (HK) low recov	2	132.0 - 162.0 P	147.1	4.4	241.0 - 294.0 P	267.7	7.1	29
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Total Population

Whole Population	3	133.0 - 163.0 P	148.0	4.6	243.0 - 297.0 P	269.9	8.0	42
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Magnesium - Urine Chem

Initial Grouping by Sensitivity or Principle

Magon (Xylidyl Blue)-based	1	5.0 - 8.3 P	6.64	0.16	6.6 - 11.1 P	8.85	0.28	13
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Total Population

Whole Population	2	4.8 - 8.0 P	6.41	0.57	6.5 - 10.9 P	8.68	0.62	30
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Name	Line No.	Specimen 1			Specimen 2			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	
Osmolality - Urine Chemistry								
Whole Population	1	598.0 - 732.0 P	665.0	2.8	809.0 - 989.0 P	899.1	7.8	7
Phosphorous - Urine Chemistry								
Initial Grouping by Reagent								
Siemens Dimension UV/bic/SB	1	37.0 - 50.0 P	43.2	2.9	56.0 - 75.0 P	65.6	3.9	15
Initial Grouping by Sensitivity or Principle								
UV-bichromatic-sam blanked	2	36.0 - 48.0 P	42.0	3.2	54.0 - 73.0 P	63.9	4.5	21
Total Population								
Whole Population	3	36.0 - 48.0 P	41.8	2.7	54.0 - 73.0 P	63.4	3.7	41
Potassium - Urine Chemistry								
Initial Grouping by Reagent and Instrument								
Beckman dil ISE & Beckman Unicel DXC series	1	53.0 - 72.0 P	62.7	1.3	87.0 - 118.0 P	102.3	2.6	22
Siemens Dimen Xpand, ExL & Siemens Dimension EXL	2	53.0 - 72.0 P	62.8	0.8	87.0 - 117.0 P	102.1	2.6	12
Siemens Dimen Xpand, ExL & Siemens Dimension Xpand	3	54.0 - 73.0 P	63.2	1.1	86.0 - 117.0 P	101.7	2.4	12
Initial Grouping by Reagent								
Beckman dil ISE	4	53.0 - 72.0 P	62.8	1.3	87.0 - 118.0 P	102.4	2.5	26
J&J Vitros und ISE	5	58.0 - 78.0 P	67.9	1.9	96.0 - 130.0 P	113.4	3.0	16
Beckman Olympus dil ISE	6	56.0 - 75.0 P	65.6	2.7	88.0 - 119.0 P	103.8	5.6	11
Siemens Dimen Xpand, ExL	7	54.0 - 72.0 P	63.0	1.0	87.0 - 117.0 P	101.8	2.4	30
Initial Grouping by Sensitivity or Principle								
Diluted ISE results	8	54.0 - 73.0 P	63.9	2.3	88.0 - 119.0 P	103.4	4.1	82
Undiluted ISE results	9	56.0 - 76.0 P	65.8	3.6	92.0 - 125.0 P	108.8	7.6	23
Total Population								
Whole Population	10	55.0 - 74.0 P	64.3	2.7	89.0 - 120.0 P	104.5	5.5	106
Sodium - Urine Chemistry								
Initial Grouping by Reagent and Instrument								
Beckman dil ISE & Beckman Unicel DXC series	1	132.0 - 143.0 P	137.0	2.4	183.0 - 198.0 P	190.3	4.8	23
Siemens Dimen Xpand, ExL & Siemens Dimension EXL	2	126.0 - 137.0 P	131.3	1.5	173.0 - 188.0 P	180.6	1.6	12
Siemens Dimen Xpand, ExL & Siemens Dimension Xpand	3	126.0 - 137.0 P	131.6	1.0	174.0 - 188.0 P	180.9	1.7	13
Initial Grouping by Reagent								
Beckman dil ISE	4	132.0 - 142.0 P	137.0	2.4	182.0 - 197.0 P	189.9	4.6	28
J&J Vitros und ISE	5	137.0 - 148.0 P	142.2	6.9	187.0 - 202.0 P	194.3	7.5	16
Beckman Olympus dil ISE	6	132.0 - 144.0 P	138.0	2.0	185.0 - 201.0 P	193.1	2.8	11

Name	Line No.	Specimen 1			Specimen 2			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	
Siemens Dimen Xpand, ExL	7	126.0 - 137.0 P	131.3	1.2	173.0 - 188.0 P	180.4	2.0	31
Initial Grouping by Sensitivity or Principle								
Diluted ISE	8	130.0 - 141.0 P	135.5	5.0	180.0 - 195.0 P	187.7	7.7	85
Undiluted ISE	9	133.0 - 144.0 P	138.4	8.2	181.0 - 196.0 P	188.7	10.7	23
Total Population								
Whole Population	10	131.0 - 142.0 P	136.1	5.9	180.0 - 195.0 P	187.9	8.4	109

Protein, Total - Urine Chemistry

Initial Grouping by Reagent and Instrument								
Beckman Coulter M-TP & Beckman Unicel DXC series	1	40.4 - 67.4 P	53.88	2.63	71.3 - 118.9 P	95.09	4.59	17
Beckman Olympus & Beckm Olym AU 400/600/5400	2	38.1 - 63.6 P	50.84	3.61	68.5 - 114.1 P	91.29	6.02	11
Siemens Dimension & Siemens Dimension EXL	3	40.6 - 67.7 P	54.13	1.09	68.8 - 114.6 P	91.71	1.69	12
Siemens Dimension & Siemens Dimension Xpand	4	41.0 - 68.4 P	54.73	1.05	69.2 - 115.4 P	92.29	1.27	17
Initial Grouping by Reagent								
Beckman LX series	5	40.6 - 67.7 P	54.14	4.04	70.6 - 117.7 P	94.14	6.65	11
Beckman Coulter M-TP	6	40.6 - 67.7 P	54.15	3.30	71.0 - 118.4 P	94.73	4.43	20
J&J Vitros unc	7	47.4 - 78.9 P	63.14	4.35	82.3 - 137.2 P	109.79	7.94	22
Beckman Olympus	8	37.6 - 62.7 P	50.13	3.33	68.0 - 113.3 P	90.63	5.20	15
Siemens Dimension	9	40.8 - 68.1 P	54.45	1.11	68.9 - 114.9 P	91.89	1.61	44
Initial Grouping by Sensitivity or Principle								
Bichromatic-sample blanked	10	40.6 - 67.7 P	54.20	1.61	68.8 - 114.6 P	91.69	1.84	46
Pyrogallol red	11	39.4 - 65.6 P	52.49	4.07	69.8 - 116.3 P	93.06	5.50	42
Rate	12	41.0 - 68.3 P	54.62	3.79	70.9 - 118.2 P	94.59	5.91	17
Uncorrected	13	47.4 - 78.9 P	63.14	4.35	82.3 - 137.2 P	109.79	7.94	22
Roche	14	36.3 - 60.4 P	48.36	1.44	64.2 - 107.0 P	85.56	3.72	10
Total Population								
Whole Population	15	40.8 - 68.1 P	54.44	5.34	70.8 - 118.0 P	94.40	8.51	143

Urea Nitrogen - Urine Chemistry

Initial Grouping by Reagent								
J&J Vitros	1	468.0 - 561.0 P	514.6	22.4	598.0 - 716.0 P	656.8	23.8	12
Siemens Dimension GLDH-rate	2	524.0 - 627.0 P	575.4	32.6	659.0 - 790.0 P	724.5	42.7	19
Initial Grouping by Sensitivity or Principle								
Ammonia (NH3) diffusion	3	468.0 - 561.0 P	514.6	22.4	598.0 - 716.0 P	656.8	23.8	12
Glutamate DH-rate methods	4	505.0 - 605.0 P	555.1	62.0	634.0 - 760.0 P	697.0	46.8	41
Total Population								
Whole Population	5	500.0 - 599.0 P	549.5	42.1	624.0 - 747.0 P	685.4	46.7	55

Name	Line No.	Specimen 1			Specimen 2			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	
Uric Acid - Urine Chemistry								
Initial Grouping by Reagent								
Siemens Dimension	1	5.3 - 7.5	P 6.37	0.92	6.2 - 8.7	P 7.46	0.69	16
Initial Grouping by Sensitivity or Principle								
Endpt-corrected(bic or SB)	2	4.5 - 6.3	P 5.38	0.48	5.3 - 7.5	P 6.41	0.69	16
Rate	3	5.6 - 8.0	P 6.80	0.96	6.6 - 9.3	P 7.91	0.85	25
Total Population								
Whole Population	4	5.1 - 7.2	P 6.13	1.05	5.9 - 8.4	P 7.17	1.09	48