



## Urine Chemistry

Name	Line No.	Specimen 1				Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD			
<b>Amylase - Urine Chemistry</b>										
<b>Initial Grouping by Method</b>										
Siemens Dimension	1	51.0 - 94.7	P	72.88	1.36	95.4 - 177.1	P	136.22	3.90	18
<b>Initial Grouping by Sensitivity or Principle</b>										
Low recovery methods	2	45.9 - 85.2	P	65.56	5.70	80.9 - 150.3	P	115.60	5.60	10
Moderate recovery methods	3	54.0 - 100.4	P	77.20	9.01	98.3 - 182.5	P	140.36	9.75	22
<b>Total Population</b>										
Whole Population	4	56.1 - 104.2	P	80.18	14.38	98.7 - 183.3	P	141.02	20.23	45
<b>Calcium - Urine Chemistry</b>										
<b>Initial Grouping by Reagent</b>										
Beckman ISE	1	8.2 - 10.2	C	9.23	0.21	5.7 - 7.7	C	6.73	0.13	10
Siemens Dimension OCPC	2	8.5 - 10.5	C	9.51	0.22	6.1 - 8.1	C	7.10	0.16	20
<b>Initial Grouping by Sensitivity or Principle</b>										
Arsenazo-based	3	8.4 - 10.4	C	9.37	0.29	5.8 - 7.8	C	6.78	0.26	19
OCPC (o-cresolphth complex)	4	8.4 - 10.4	C	9.43	0.30	6.0 - 8.0	C	7.01	0.22	28
Other, electrochemical	5	8.2 - 10.2	C	9.23	0.21	5.7 - 7.7	C	6.73	0.13	10
<b>Total Population</b>										
Whole Population	6	8.4 - 10.4	C	9.36	0.29	5.9 - 7.9	C	6.88	0.26	60
<b>Chloride - Urine Chemistry</b>										
<b>Initial Grouping by Reagent and Instrument</b>										
Beckman dil ISE & Beckman Unicel DXC series	1	86.0 - 95.0	P	90.1	1.0	161.0 - 178.0	P	169.7	2.8	15
Siemens Dimen Xpand, EXL & Siemens Dimension EXL	2	105.0 - 116.0	P	110.4	6.5	176.0 - 194.0	P	185.1	5.6	10
<b>Initial Grouping by Reagent</b>										
Beckman dil ISE	3	86.0 - 95.0	P	90.2	1.5	161.0 - 178.0	P	169.8	2.7	18
Beckman Olympus dil ISE	4	95.0 - 105.0	P	99.8	3.5	171.0 - 189.0	P	180.0	3.9	12
Siemens Dimen Xpand, EXL	5	105.0 - 116.0	P	110.5	6.3	176.0 - 195.0	P	185.6	5.3	16
<b>Initial Grouping by Sensitivity or Principle</b>										
Diluted ISE	6	94.0 - 103.0	P	98.5	10.0	169.0 - 186.0	P	177.4	7.8	59

Name	Line No.	Specimen 1			Specimen 2				No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD		
<b>Total Population</b>									
Whole Population	7	94.0 - 104.0	P 99.1	10.0	169.0 - 186.0	P 177.6	7.7		68

### Creatinine - Urine Chemistry

#### Initial Grouping by Reagent and Instrument

Beckman Synchron & Beckman Unicel DXC series	1	63.8 - 86.4	P 75.11	3.28	119.0 - 161.1	P 140.05	6.39		11
Beckman Synchron IMDS trace & Beckman Unicel DXC series	2	62.7 - 84.8	P 73.71	2.04	117.0 - 158.3	P 137.67	4.07		14
Beckman Olympus & Beckm Olym AU 400/600/5400	3	60.1 - 81.2	P 70.65	0.85	114.6 - 155.0	P 134.82	1.76		13
Siemens Dimension & Siemens Dimension EXL	4	59.4 - 80.4	P 69.92	3.61	111.8 - 151.2	P 131.48	5.42		14
Siemens Dimension & Siemens Dimension Xpand	5	53.5 - 72.4	P 62.99	1.95	101.6 - 137.5	P 119.53	3.99		18

#### Initial Grouping by Method

Beckman Synchron	6	64.0 - 86.6	P 75.27	3.17	118.8 - 160.8	P 139.80	6.15		12
Beckman Synchron IMDS trace	7	62.5 - 84.6	P 73.59	2.02	116.7 - 157.9	P 137.35	4.12		16
J&J Vitros	8	52.7 - 71.3	P 61.96	4.24	100.2 - 135.6	P 117.89	5.04		17
Beckman Olympus	9	60.0 - 81.2	P 70.63	1.38	114.7 - 155.1	P 134.91	2.19		16
Siemens Dimension	10	56.9 - 77.0	P 66.99	4.80	107.4 - 145.4	P 126.41	8.12		47

#### Initial Grouping by Sensitivity or Principle

Chemiluminometric	11	58.6 - 79.3	P 68.96	5.42	110.1 - 148.9	P 129.51	8.96		136
<b>Total Population</b>									
Whole Population	12	58.3 - 78.8	P 68.56	5.49	109.7 - 148.4	P 129.00	9.76		147

### Glucose - Urine Chemistry

#### Initial Grouping by Reagent

Siemens Dimension HK	1	19.0 - 31.0	C 24.7	1.5	134.0 - 163.0	P 148.5	2.5		15
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#### Initial Grouping by Sensitivity or Principle

HexoKinase (HK) low recov	2	19.0 - 31.0	C 25.3	1.5	135.0 - 164.0	P 149.5	4.1		30
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#### Total Population

Whole Population	3	20.0 - 32.0	C 25.6	1.5	136.0 - 167.0	P 151.5	5.6		42
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### Magnesium - Urine Chem

#### Initial Grouping by Reagent

Siemens Dim RxL, RxL Max	1	3.4 - 5.7	P 4.58	0.12	5.2 - 8.8	P 7.00	0.11		10
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#### Initial Grouping by Sensitivity or Principle

Magon (Xylidyl Blue)-based	2	3.4 - 5.6	P 4.48	0.19	5.1 - 8.6	P 6.86	0.25		14
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#### Total Population

Whole Population	3	3.4 - 5.6	P 4.52	0.29	5.2 - 8.7	P 6.96	0.28		31
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Name	Line No.	Specimen 1			Specimen 2			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	
<b>Osmolality - Urine Chemistry</b>								
Whole Population	1	391.0 - 479.0 P	435.0	2.2	601.0 - 735.0 P	668.3	1.0	7

### Phosphorous - Urine Chemistry

<b>Initial Grouping by Reagent</b>								
Siemens Dimension UV/bic/SB	1	18.0 - 24.0 P	20.8	1.6	37.0 - 50.0 P	43.8	2.4	15
<b>Initial Grouping by Sensitivity or Principle</b>								
UV-bichromatic-sam blanked	2	18.0 - 24.0 P	20.6	1.8	37.0 - 50.0 P	43.6	3.1	20
<b>Total Population</b>								
Whole Population	3	17.0 - 23.0 P	20.4	1.8	37.0 - 50.0 P	43.2	2.8	39

### Potassium - Urine Chemistry

<b>Initial Grouping by Reagent and Instrument</b>								
Beckman dil ISE & Beckman Unicel DXC series	1	20.0 - 27.0 P	23.8	0.7	54.0 - 73.0 P	63.6	0.9	22
Beckman Olympus dil ISE & Beckm Olym AU 400/600/5400	2	21.0 - 28.0 P	24.6	0.8	56.0 - 76.0 P	66.1	1.5	10
Siemens Dimen Xpand, ExL & Siemens Dimension EXL	3	20.0 - 27.0 P	23.8	0.4	54.0 - 73.0 P	63.8	1.0	12
Siemens Dimen Xpand, ExL & Siemens Dimension Xpand	4	20.0 - 27.0 P	23.6	0.5	54.0 - 73.0 P	63.2	1.0	12
<b>Initial Grouping by Reagent</b>								
Beckman dil ISE	5	20.0 - 27.0 P	23.8	0.7	54.0 - 73.0 P	63.6	0.9	25
J&J Vitros und ISE	6	20.0 - 27.0 P	23.4	0.6	58.0 - 79.0 P	68.4	1.5	16
Beckman Olympus dil ISE	7	21.0 - 28.0 P	24.6	0.8	56.0 - 76.0 P	66.2	1.5	12
Siemens Dimen Xpand, ExL	8	20.0 - 27.0 P	23.7	0.5	54.0 - 73.0 P	63.4	1.0	28
<b>Initial Grouping by Sensitivity or Principle</b>								
Diluted ISE results	9	20.0 - 28.0 P	24.0	0.8	55.0 - 74.0 P	64.6	2.6	79
Undiluted ISE results	10	20.0 - 27.0 P	23.5	0.6	56.0 - 76.0 P	65.8	3.8	26
<b>Total Population</b>								
Whole Population	11	20.0 - 27.0 P	23.9	0.8	55.0 - 75.0 P	64.9	3.0	106

### Sodium - Urine Chemistry

<b>Initial Grouping by Reagent and Instrument</b>								
Beckman dil ISE & Beckman Unicel DXC series	1	83.0 - 91.0 C	87.2	1.8	134.0 - 145.0 P	139.6	1.6	22
Beckman Olympus dil ISE & Beckm Olym AU 400/600/5400	2	84.0 - 92.0 C	87.7	1.3	136.0 - 147.0 P	141.4	1.3	10
Siemens Dimen Xpand, ExL & Siemens Dimension EXL	3	81.0 - 89.0 C	85.3	1.2	130.0 - 141.0 P	135.7	1.3	12
Siemens Dimen Xpand, ExL & Siemens Dimension Xpand	4	81.0 - 89.0 C	84.5	1.1	130.0 - 140.0 P	135.0	1.4	13

Name	Line No.	Specimen 1			Specimen 2				No. of Labs	
		Range & Type	Mean	SD	Range & Type	Mean	SD			
<b>Initial Grouping by Reagent</b>										
Beckman dil ISE	5	83.0 - 91.0	C	87.2	1.9	134.0 - 145.0	P	139.6	1.5	25
J&J Vitros und ISE	6	87.0 - 95.0	C	90.9	7.6	139.0 - 151.0	P	144.8	10.2	16
Beckman Olympus dil ISE	7	84.0 - 92.0	C	87.7	1.2	136.0 - 147.0	P	141.8	1.6	12
Siemens Dimen Xpand, ExL	8	81.0 - 89.0	C	85.0	1.2	130.0 - 141.0	P	135.4	1.3	29
<b>Initial Grouping by Sensitivity or Principle</b>										
Diluted ISE	9	83.0 - 91.0	C	86.6	2.6	133.0 - 145.0	P	139.0	4.0	80
Undiluted ISE	10	85.0 - 93.0	C	88.8	6.5	135.0 - 146.0	P	140.6	9.8	26
<b>Total Population</b>										
Whole Population	11	83.0 - 91.0	C	87.1	4.0	134.0 - 145.0	P	139.3	6.0	108

### Protein, Total - Urine Chemistry

<b>Initial Grouping by Reagent and Instrument</b>										
Beckman Coulter M-TP & Beckman Unicel DXC series	1	9.6 - 16.0	P	12.82	0.83	44.2 - 73.7	P	58.94	2.39	17
Beckman Olympus & Beckm Olym AU 400/600/5400	2	8.1 - 13.4	P	10.75	1.05	39.7 - 66.2	P	52.94	3.53	13
Siemens Dimension & Siemens Dimension EXL	3	10.6 - 17.7	P	14.14	0.77	41.1 - 68.5	P	54.82	2.27	12
Siemens Dimension & Siemens Dimension Xpand	4	11.4 - 18.9	P	15.15	0.84	42.1 - 70.2	P	56.14	1.53	19
<b>Initial Grouping by Reagent</b>										
Beckman LX series	5	9.3 - 15.5	P	12.37	2.17	42.1 - 70.1	P	56.08	3.99	10
Beckman Coulter M-TP	6	9.6 - 16.0	P	12.82	0.83	44.3 - 73.9	P	59.11	2.42	19
J&J Vitros unc	7	13.3 - 22.2	P	17.75	1.07	48.6 - 81.0	P	64.83	3.68	20
Beckman Olympus	8	8.0 - 13.3	P	10.67	0.97	39.2 - 65.2	P	52.20	3.61	16
Siemens Dimension	9	11.2 - 18.7	P	14.92	1.18	41.8 - 69.7	P	55.75	2.21	45
<b>Initial Grouping by Sensitivity or Principle</b>										
Bichromatic-sample blanked	10	11.0 - 18.4	P	14.73	1.47	41.7 - 69.5	P	55.57	2.34	47
Pyrogallol red	11	8.5 - 14.2	P	11.39	1.80	41.7 - 69.5	P	55.57	4.70	41
Rate	12	9.5 - 15.8	P	12.67	1.81	42.6 - 71.0	P	56.78	3.86	15
Uncorrected	13	13.3 - 22.2	P	17.75	1.07	48.6 - 81.0	P	64.83	3.68	20
Roche	14	6.2 - 10.3	P	8.27	0.71	36.4 - 60.7	P	48.56	2.36	10
<b>Total Population</b>										
Whole Population	15	9.9 - 16.5	P	13.21	2.38	42.1 - 70.1	P	56.09	5.44	141

### Urea Nitrogen - Urine Chemistry

<b>Initial Grouping by Reagent</b>										
J&J Vitros	1	333.0 - 399.0	P	366.3	28.0	475.0 - 569.0	P	522.3	33.3	12
Siemens Dimension GLDH-rate	2	387.0 - 464.0	P	425.6	32.1	529.0 - 634.0	P	581.2	34.9	19
<b>Initial Grouping by Sensitivity or Principle</b>										

Name	Line No.	Specimen 1			Specimen 2			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	
Ammonia (NH3) diffusion	3	333.0 - 399.0 P	366.3	28.0	475.0 - 569.0 P	522.3	33.3	12
Glutamate DH-rate methods	4	372.0 - 446.0 P	409.0	29.1	515.0 - 617.0 P	565.8	31.4	39
<b>Total Population</b>								
Whole Population	5	362.0 - 434.0 P	398.2	33.7	504.0 - 604.0 P	554.3	36.6	53

### Uric Acid - Urine Chemistry

#### Initial Grouping by Reagent

Siemens Dimension	1	3.9 - 5.5 P	4.72	0.66	4.9 - 6.9 P	5.87	0.73	18
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#### Initial Grouping by Sensitivity or Principle

Endpt-corrected(bic or SB)	2	3.6 - 5.1 P	4.37	0.79	4.4 - 6.3 P	5.36	0.43	15
Rate	3	4.2 - 6.0 P	5.12	0.83	5.2 - 7.4 P	6.32	0.92	26

#### Total Population

Whole Population	4	3.9 - 5.5 P	4.72	0.85	4.9 - 6.9 P	5.90	0.90	46
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