



Urinalysis

FIRST QUADRIMESTER 2011

Bilirubin

Name	Negative	Trace	Small (1+)	Moderate (2+)	Large (3+)
Bayer Urstix					3
Cole-Taylor	1				5
Diag Test Group Clarity					3
Fisherbrand 10SG					3
Hypoguard Diascreen					5
Iris Aution 9EB					3
Iris AX series	1				3
Iris iChem				2	1
Jant Accutest					8
Mckesson MediLab 10SG			2	2	12
PSS Consult				1	20
PSS Select					33
Quidel QckVue UrnChk	1				
RAC Clarity					3
Roche Chemstrip 10 MD			2	1	40
Roche Chemstrip 10 UA				1	76
Roche Chemstrip 101			1		8
Roche Chemstrip, Cobas			2		43
Roche Criterion II			1	3	31
Roche Unisys 1800, 2400	1				11
Roche Unisys					39
Schein Urispec strips					9
Siemens Clinitek 10	3		2		53
Siemens Clinitek 100			2		85
Siemens Clinitek 200			1		5
Siemens Clinitek 50			1		148
Siemens Clinitek 500	2		4	11	42
Siemens Clinitek Advantus			1	3	31
Siemens Clinitek Atlas					9
Siemens Clinitek Status	1		3	2	353
Siemens Ictotest			1		4
Siemens Reagent Strips	7		4	6	242
Teco Diag					4
Total Population	18	0	27	32	373
Flagging	***	***			

Glucose

Name	Negative	50 - 100 mg/dL	150 mg/dL	500 mg/dL	750 mg/dL	1000 mg/dL	>1000 mg/dL
Iris Aution 9EB				2	1		
Iris iChem				1			2
RAC Clarity							
Diag Test Group Clarity				1		1	
Fisherbrand 10SG				1			
Bayer Urstix				2			
Iris AX series			1	2		1	
Teco Diag				1			
YD Diagnostics Uriscan				2		1	1
Roche Chemstrip 2 GP						3	2
Cole-Taylor		3		1			
Hypoguard Diascreen							1
Siemens Clinitek 200, 200+			1	2			
Jant Accutest		1		1			3
Schein Urispec strips				4		1	3
Roche Chemstrip 101				1			8
Siemens Clinitek Atlas				6			
Roche Unisys 1800, 2400				2		8	2
Mckesson MediLab 10SG		2		5			
PSS Consult				11		4	5
PSS Select		1		14	1	14	3
Roche Criterion II				9	1	23	2
Siemens Clinitek Advantus				29		1	4
Roche Unisys				10		2	27
Roche Chemstrip 10 MD				3		19	21
Roche Chemstrip, Cobas				1	1	41	12
Siemens Clinitek 10	1	2		25	1	9	1
Siemens Clinitek 500		2		46	2	3	1
Roche Chemstrip 10 UA	1	2		3	1	51	19
Siemens Clinitek 100			1	47	2	8	20
Siemens Clinitek 50	1	2		77	1	8	40
Siemens Reagent Strips	2	8	2	145	2	40	17
Siemens Clinitek Status	3	14	9	120		9	5
Total Population	8	38	16	593	13	251	202
Flagging	***	***					

Blood (Hemoglobin)

Name	Negative	Small (1+)	Moderate (2+)	Large (3+)	-50 ery/µL	-250 ery/µL
Roche Unisys			17	3		21
Schein Urispec strips				3		4
Teco Diag				4		
Bayer Urstix				4		
Iris AX series				4		
Roche Unisys 1800, 2400				4		8
Cole-Taylor				5		1
Roche Chemstrip 10 MD		1	5	5		33
Hypoguard Diascreen				6		
Roche Chemstrip 101				6		3
Siemens Clinitek 200				6		
Roche Criterion II			1	7	1	26
Jant Accutest				8		
Siemens Clinitek Atlas				9		
Mckesson MediLab 10SG		2	1	12		1
PSS Consult			2	13		6
Roche Chemstrip, Cobas			3	13		35
Roche Chemstrip 10 UA			5	19	1	51
PSS Select			1	28		5
Siemens Clinitek Advantus				39		
Siemens Clinitek 10				58	1	1
Siemens Clinitek 500		1	2	58	1	
Siemens Clinitek 100		1		84	3	
Siemens Clinitek 50				149	2	
Siemens Reagent Strips	1	1	1	259	4	7
Siemens Clinitek Status		2	2	354	1	5
Total Population	1	8	43	1212	15	214
Flagging	***					

Ketones

Name	Negative	Trace	Small (1+)	Moderate (2+)	Large (3+)
Iris Aution 9EB					3
Iris iChem					3
RAC Clarity				1	2
Diag Test Group Clarity			2	1	
Fisherbrand 10SG				2	1
Iris AX series				1	3
Siemens Acetest				1	3
Teco Diag				1	2
Bayer Urstix				2	3
Hypoguard Diascreen	1			4	
Cole-Taylor	1		1	2	2
Siemens Clinitek 200, 200+			1	2	3
Jant Accutest			1	1	6
Schein Urispec strips				1	7
Roche Chemstrip 101					9
Siemens Clinitek Atlas				1	8
Roche Unisys 1800, 2400				2	10
Mckesson MediLab 10SG			2	5	9
PSS Consult			1	8	12
PSS Select			1	17	14
Roche Criterion II				5	30
Siemens Clinitek Advantus				26	11
Roche Unisys				14	27
Roche Chemstrip 10 MD		1	1	6	34
Roche Chemstrip, Cobas				4	46
Siemens Clinitek 10			3	14	42
Siemens Clinitek 500			2	50	10
Roche Chemstrip 10 UA			1	3	71
Siemens Clinitek 100			1	5	68
Siemens Clinitek 50			1	5	85
Siemens Reagent Strips	2		6	40	272
Siemens Clinitek Status			6	101	257
Total Population	4	4	43	481	944
Flagging	***	***			

Creatinine

Name	10 mg/dL	50 mg/dL	100 mg/dL	200 mg/dL	300 mg/dL
Siemens Clinitek 10					4
Siemens Clinitek 50					14
Siemens Clinitek 100					3
Siemens Clinitek 500				1	1
Siemens Clinitek Advantus					2
Siemens Clinitek Status				1	28
Siemens Reagent Strips				1	4
Total Population	1	0	0	4	64
Flagging	***	***			

Leukocyte Esterase

Name	Negative	Trace	Small (1+)	Moderate (2+)	Large (3+)
Bayer Urstix			1	1	2
Cole-Taylor			1	3	3
Diag Test Group Clarity			1	1	1
Hypoguard Diascreen		1		1	4
Iris AX series				2	2
Iris iChem				2	1
Jant Accutest				7	1
Mckesson MediLab 10SG	1	2	2	9	2
PSS Consult	1		2	12	7
PSS Select		1	2	30	1
RAC Clarity			1		2
Roche Chemstrip 10 MD		4	8	17	15
Roche Chemstrip 10 UA	8	10	15	30	14
Roche Chemstrip 101			1	6	2
Roche Chemstrip, Cobas	1	7	19	15	5
Roche Criterion II		1	4	19	11
Roche Unisys 1800, 2400			1	8	3
Roche Urisys			3	28	10
Schein Urispec strips	1	3	2		2
Siemens Clinitek 10		1	10	18	30
Siemens Clinitek 100		1	6	72	7
Siemens Clinitek 200,			2	1	3
Siemens Clinitek 50			2	1	148
Siemens Clinitek 500			1	58	1
Siemens Clinitek Advantus		1	1	36	
Siemens Clinitek Atlas					9
Siemens Clinitek Status	1		3	1	363
Siemens Reagent Strips	1	3	64	115	63
Teco Diag		1	1	2	
YD Diagnostics Uriscan			1	1	1
Total Population	15	38	161	513	736
Flagging	***	***			

Nitrite - Urinalysis

Name	Negative	Positive
Bayer Urstix		4
Cole-Taylor		6
Diag Test Group Clarity		3
Fisherbrand 10SG		3
Hypoguard Diascreen		5
Iris AX series		4
Iris iChem		3
Jant Accutest		7
Mckesson MediLab 10SG	1	15
PSS Consult	1	21
PSS Select		34
RAC Clarity		2
Roche Chemstrip 10 MD		44
Roche Chemstrip 10 UA	1	76
Roche Chemstrip 101		9
Roche Chemstrip, Cobas		50
Roche Criterion II	1	34
Roche Unisys 1800, 2400		12
Roche Urisys		41
Schein Urispec strips		8
Siemens Clinitek 10		60
Siemens Clinitek 100		86
Siemens Clinitek 200,		6
Siemens Clinitek 50		151
Siemens Clinitek 500		62
Siemens Clinitek Advantus		39
Siemens Clinitek Atlas		9
Siemens Clinitek Status	1	365
Siemens Reagent Strips	3	251
Teco Diag		4
YD Diagnostics Uriscan		3
Total Population	9	1460
Flagging	***	

pH - Urinalysis

Name	6.0	6.5	7.0	7.5	8.0	>8.0
All automated chem		1		2	1	1
Cole-Taylor			1	3	1	
Hypoguard Diascreen			5			
Jant Accutest			1	5	2	
Mckesson MediLab 10SG			7	6	2	1
PSS Consult		7	15			
PSS Select		26	8			
Roche Chemstrip 10 MD			28	6	9	1
Roche Chemstrip 10 UA			54	12	11	
Roche Chemstrip 101				9		
Roche Chemstrip, Cobas	1		29	7	11	
Roche Criterion II			19	1	15	
Roche Unisys 1800, 2400			12			
Roche Urisys			32	1	7	
Schein Urispec strips			6			
Siemens Clinitek 10			18	42		
Siemens Clinitek 100			6	82		
Siemens Clinitek 200,			4	2		
Siemens Clinitek 50			17	134		
Siemens Clinitek 500			4	58		
Siemens Clinitek Advantus			2	37		
Siemens Clinitek Atlas				9		
Siemens Clinitek Status			365	2		
Siemens Reagent Strips		2	33	235	1	1
Total Population	1	36	684	635	60	4
Flagging	***	***				***

Protein

Name	Negative	15 (Trace)	30 (1+)	100 (2+)	>100 (2+)
Bayer Urstix					4
Cole-Taylor			1	1	4
Diag Test Group Clarity					3
Fisherbrand 10SG				1	2
Hypoguard Diascreen				4	2
Iris Aution 9EB					3
Iris AX series					4
Iris iChem				2	1
Jant Accutest				4	4
Mckesson MediLab 10SG			1	3	12
PSS Consult				5	17
PSS Select				3	31
RAC Clarity				2	1
Roche Chemstrip 10 MD				5	39
Roche Chemstrip 10 UA				6	70
Roche Chemstrip 101					9
Roche Chemstrip 2 GP					4
Roche Chemstrip, Cobas				1	52
Roche Criterion II			1	3	31
Roche Unisys 1800, 2400					12
Roche Urisys				2	38
Schein Urispec strips				1	7
Siemens Clinitek 10			1	7	50
Siemens Clinitek 100				5	83
Siemens Clinitek 200, 200+				1	5
Siemens Clinitek 50			1	1	147
Siemens Clinitek 500					62
Siemens Clinitek Advantus					39
Siemens Clinitek Atlas					9
Siemens Clinitek Status		1		3	363
Siemens Reagent Strips		1	7	60	212
Sulfosalicylic Acid					6
Teco Diag			1	1	2
YD Diagnostics Uriscan					2
Total Population	0	2	13	127	1372
Flagging	***	***			

Urobilinogen

Name	Negative	1.0 mg/dL	2.0 mg/dL	4.0 mg/dL	mg/dL
Bayer Urstix					3
Cole-Taylor					5
Diag Test Group Clarity					3
Hypoguard Diascreen	3			2	4
Jant Accutest				3	4
Mckesson MediLab 10SG					13
PSS Consult				3	17
PSS Select				1	25
Roche Chemstrip 10 MD					28
Roche Chemstrip 10 UA				1	49
Roche Chemstrip 101					6
Roche Chemstrip, Cobas					26
Roche Criterion II					25
Roche Unisys				1	21
Schein Urispec strips				1	5
Siemens Clinitek 10				1	46
Siemens Clinitek 100					36
Siemens Clinitek 200, 200+					4
Siemens Clinitek 50	1				85
Siemens Clinitek 500					28
Siemens Clinitek Advantus					23
Siemens Clinitek Atlas			3	3	1
Siemens Clinitek Status				1	238
Siemens Reagent Strips	1		1	2	159
Teco Diag		1			2
Total Population	7	1	10	23	1329
Flagging	***	***			

Urine Microscopics

Name	Negative	Flag	Positive	Flag	Would Refer	Flag
Crystals	94		244			2
Red Blood Cells	22	***	319			2
White Blood Cells	45	***	296			2

Due to a lack of participant consensus, Crystals were not evaluated this event.

Correct responses are defined as those reflecting agreement among 80% or more of all participants. Unacceptable responses are indicated by "*****" on the Flagging line of each specimen.



PROFICIENCY TESTING SERVICE
AMERICAN ASSOCIATION OF BIOANALYSTS
 205 West Levee St. ♦ Brownsville, TX 78520-5596
 800-234-5315 ♦ 281-436-5357 ♦ Fax 713-781-5008

FIRST QUADRIMESTER 2011

Urinalysis - Specific Gravity

Name	Line No.	Range & Type	Mean	s.d.	No. of Labs
Initial Grouping by Method					
All refractometers	1	1.019 - 1.039 C	1.0290	0.0020	54
PSS Select	2	1.017 - 1.037 C	1.0268	0.0045	33
Roche Chemstrip, Cobas	3	1.003 - 1.023 C	1.0130	0.0025	27
Roche Chemstrip 10 UA	4	1.003 - 1.023 C	1.0126	0.0028	78
Roche Chemstrip 10 MD	5	1.004 - 1.024 C	1.0136	0.0027	44
Roche Criterion II	6	1.004 - 1.024 C	1.0143	0.0025	34
Roche Urisys	7	1.003 - 1.023 C	1.0130	0.0025	39
Roche Unisys 1800	8	1.007 - 1.027 C	1.0167	0.0084	12
Siemens Clinitek 10	9	1.008 - 1.028 C	1.0180	0.0040	60
Siemens Clinitek 50	10	1.008 - 1.028 C	1.0180	0.0027	146
Siemens Clinitek 100	11	1.014 - 1.034 C	1.0236	0.0023	86
Siemens Clinitek 500	12	1.011 - 1.031 C	1.0208	0.0021	62
Siemens Clinitek Advantus	13	1.011 - 1.03 C	1.0205	0.0019	40
Siemens Clinitek Status	14	1.011 - 1.031 C	1.0206	0.0018	357
Siemens Reagent Strips	15	1.007 - 1.027 C	1.0170	0.0032	234
Mckesson MediLab 10SG	16	1.01 - 1.03 C	1.0203	0.0050	16
PSS Consult	17	1.013 - 1.033 C	1.0229	0.0048	20
Initial Grouping by Sensitivity or Principle					
All direct physical methods	18	1.018 - 1.038 C	1.0283	0.0033	96
All strips	19	1.008 - 1.028 C	1.0182	0.0043	1321
Total Population					
Whole Population	20	1.009 - 1.029 C	1.0189	0.0049	1463

Correct responses are defined as those reflecting agreement among 80% or more of all participants.