



**PROFICIENCY TESTING SERVICE
AMERICAN ASSOCIATION OF BIOANALYSTS**

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Urinalysis

SECOND QUADRIMESTER 2016

Bilirubin

Name	Negative	Trace	Small (1+)	Moderate (2+)	Large (3+)
Diag Test Group Clarity	4				
Iris iChem	6				
Mckesson MediLab 10SG	17				
NDC Pro Advantage	5				
PSS Consult	44	1			
PSS Select	5				
Roche Chemstrip 10 MD	30				
Roche Chemstrip 10 SG	26				
Roche Chemstrip 10 UA	18				
Roche Chemstrip 9	5				
Roche Chemstrip, Cobas	8				
Roche Cobas U 411	6				
Roche Criterion II	5				
Roche Urisys 1100	25				
Roche Urisys 1800, 2400	8				
Siemens Clinitek 10	34		1		
Siemens Clinitek 100	12				
Siemens Clinitek 50	35				
Siemens Clinitek 500	26				
Siemens Clinitek Advantus	48				
Siemens Clinitek Atlas	7				
Siemens Clinitek Status, Plus	351				
Siemens Reagent Strips	130	1	1	1	
Total Population	894	2	2	1	1
Flagging		***	***	***	***

Glucose

Name	Negative	50 - 100 mg/dL	150 mg/dL	<250	500 mg/dL	750 mg/dL	1000 mg/dL	>1000 mg/dL
All automated chem analyzer				1	1			2
Diag Test Group Clarity					2		1	2
Iris iChem				2	2			1
Mckesson MediLab 10SG					5	2	2	9
NDC Pro Advantage				1	2			1
PSS Consult				2	9	1	6	27
PSS Select								5
Roche Chemstrip 10 MD				2	1	1	2	24
Roche Chemstrip 10 SG	1		1	1			3	20
Roche Chemstrip 10 UA							5	13
Roche Chemstrip 2 GP								1
Roche Chemstrip 9					1		1	3
Roche Chemstrip, Cobas						1	1	6
Roche Cobas U 411					1		1	5
Roche Criterion II							2	3
Roche Urisys 1100					5			20
Roche Urisys 1800, 2400							2	6
Siemens Clinitek 10	2			3	18	1	1	11
Siemens Clinitek 100				1	9		1	1
Siemens Clinitek 50					8		1	26
Siemens Clinitek 500				5	17		1	3
Siemens Clinitek Advantus				7	37	2	1	2
Siemens Clinitek Atlas					4			2
Siemens Clinitek Status, Plus	2	1	2	20	310	2	2	18
Siemens Reagent Strips	1			13	66	1	6	59
Total Population	6	4	4	63	512	11	43	294
Flagging	***	***						

Blood (Hemoglobin)

Name	Negative	Small (1)	Moder (2)	Large (3)	~50 ery/ μ L	~250 ery/ μ L
Diag Test Group Clarity					5	
Iris iChem					6	
Mckesson MediLab 10SG					17	1
NDC Pro Advantage					5	
PSS Consult	1		1	35		8
PSS Select	1			4		
Roche Chemstrip 10 MD			5	5		20
Roche Chemstrip 10 SG			2	3		21
Roche Chemstrip 10 UA				5		13
Roche Chemstrip 9				1		4
Roche Chemstrip, Cobas				2		6
Roche Cobas U 411				2		5
Roche Criterion II						5
Roche Urisys 1100	1		9	1		14
Roche Urisys 1800, 2400				4		4
Schein Urispec strips				2		2
Siemens Clinitek 10	1		2	32		
Siemens Clinitek 100			1	11		
Siemens Clinitek 50				34		1
Siemens Clinitek 500				26		
Siemens Clinitek Advantus			1	48		
Siemens Clinitek Atlas				1		6
Siemens Clinitek Status, Plus			13	344		
Siemens Reagent Strips		1		139	1	2
Total Population	4	1	37	767	1	111
Flagging	***					

Ketones

Name	Negative	Trace	Small (1)	Mod (2)	Large (3)
Diag Test Group Clarity	5				
Iris iChem	6				
Mckesson MediLab 10SG	17				
NDC Pro Advantage	5				
PSS Consult	46				
PSS Select	5				
Roche Chemstrip 10 MD	30				
Roche Chemstrip 10 SG	26				
Roche Chemstrip 10 UA	18				
Roche Chemstrip 9	5				
Roche Chemstrip, Cobas	8				
Roche Cobas U 411	6				
Roche Criterion II	5				
Roche Urisys 1100	25				
Roche Urisys 1800, 2400	8				
Siemens Clinitek 10	34			1	
Siemens Clinitek 100	13				
Siemens Clinitek 50	36				
Siemens Clinitek 500	25				
Siemens Clinitek Advantus	50				
Siemens Clinitek Atlas	7				
Siemens Clinitek Status, Plus	358				
Siemens Reagent Strips	135	1		1	
Total Population	916	1	0	2	1
Flagging		***	***	***	***

Creatinine

Name	10 mg/dL	50 mg/dL	100 mg/dL	200 mg/dL	300 mg/dL
Siemens Clinitek Status		3	3	2	1
Total Population	7	7	4	2	2
Flagging				***	***

Leukocyte Esterase

Name	Negative	Positive	Trace	Small (1+)	Moderate (2+)	Large (3+)
Diag Test Group Clarity				3	1	
Iris iChem						7
Mckesson MediLab 10SG	2		1	4	10	
NDC Pro Advantage				1	3	1
PSS Consult	1		2	9	16	17
PSS Select					1	4
Roche Chemstrip 10 MD				1	19	8
Roche Chemstrip 10 SG					22	4
Roche Chemstrip 10 UA					12	6
Roche Chemstrip 9				1	4	
Roche Chemstrip, Cobas				1	4	2
Roche Cobas U 411	1				1	5
Roche Criterion II					2	3
Roche Urisys 1100					12	13
Roche Urisys 1800, 2400					1	11
Siemens Clinitek 10	2		1	16	16	
Siemens Clinitek 100				11	1	
Siemens Clinitek 50			4	29	2	1
Siemens Clinitek 500			2	21	3	
Siemens Clinitek Advantus			2	49		1
Siemens Clinitek Atlas				2	5	
Siemens Clinitek Status, Plus		1	12	312	34	2
Siemens Reagent Strips	1	2	6	60	68	3
Total Population	7	3	32	535	254	99
Flagging	***					

Nitrite - Urinalysis

Name	Negative	Positive
Diag Test Group Clarity		4
Iris iChem		6
Mckesson MediLab 10SG	2	15
NDC Pro Advantage		5
PSS Consult		45
PSS Select		5
Roche Chemstrip 10 MD	1	28
Roche Chemstrip 10 SG		26
Roche Chemstrip 10 UA		18
Roche Chemstrip 9		5
Roche Chemstrip, Cobas		8
Roche Cobas U 411		8
Roche Criterion II		4
Roche Urisys 1100	1	25
Roche Urisys 1800, 2400		8
Schein Urispec strips	1	3
Siemens Clinitek 10	2	32
Siemens Clinitek 100		12
Siemens Clinitek 50	1	33
Siemens Clinitek 500	1	25
Siemens Clinitek Advantus		50
Siemens Clinitek Atlas		7
Siemens Clinitek Status, Plus	1	354
Siemens Reagent Strips	2	140
Total Population	13	904
Flagging	***	

Urobilinogen

Name	Negative	Norm <0.2 mg/dL	0.2 mg/dL	1.0 mg/dL	2.0 mg/dL	4.0 mg/dL	>8.0 mg/dL
Iris iChem	2	2	1				
Mckesson MediLab 10SG	9	3	4				
NDC Pro Advantage	2	1	2				
PSS Consult	7	37		1			
PSS Select	2	3					
Roche Chemstrip 10 MD	16	13					
Roche Chemstrip 10 SG	12	11	2				
Roche Chemstrip 10 UA	10	6	1				
Roche Chemstrip 9	5						
Roche Chemstrip, Cobas	4	3					
Roche Cobas U 411	2	4					
Roche Criterion II	1	3					
Roche Urisys 1100	4	20					
Roche Urisys 1800, 2400	1	6	2				
Siemens Clinitek 10	8	7	18				
Siemens Clinitek 100		1	8				
Siemens Clinitek 50	2	2	30		1		
Siemens Clinitek 500		1	24		1		
Siemens Clinitek Advantus	2	3	43				
Siemens Clinitek Atlas		1	6				
Siemens Clinitek Status, Plus	1	23	309		5		
Siemens Reagent Strips	34	37	56		1		2
Total Population	142	196	531	2	9	0	2
Flagging				***	***	***	***

pH - Urinalysis

Name	6.0	6.5	7.0	7.5	8.0	>8.0
All automated chem analyzer				2	2	1
Diag Test Group Clarity				3	2	
Iris iChem			1	5		
Mckesson MediLab 10SG		1	7	7	2	
NDC Pro Advantage			4	1		
PSS Consult		4	18	17	6	
PSS Select			2	3		
Roche Chemstrip 10 MD			1	18	11	
Roche Chemstrip 10 SG				24	2	
Roche Chemstrip 10 UA				15	3	
Roche Chemstrip 9			1	4		
Roche Chemstrip, Cobas				6	2	
Roche Cobas U 411			1	6		
Roche Criterion II				2	3	
Roche Urisys 1100				20	5	
Roche Urisys 1800, 2400				8		
Siemens Clinitek 10			4	9	15	5
Siemens Clinitek 100				2	9	1
Siemens Clinitek 50			2	24	8	2
Siemens Clinitek 500				4	14	8
Siemens Clinitek Advantus	1			2	26	21
Siemens Clinitek Atlas				3	4	
Siemens Clinitek Status, Plus			9	221	14	112
Siemens Reagent Strips		1	1	25	96	19
Total Population	1	6	42	343	331	198
Flagging	***	***				

Urine Microscopics

Name	Absent	Flag	Present	Flag	Would Refer	Flag
Crystals	212		14	***	0	
Red Blood Cells	9	***	217		0	
White Blood Cells	3	***	223			

Protein

Name	Negative	15 (Trace)	30 (1+)	100 (2+)	>100 (2+)
Diag Test Group Clarity				1	3
Iris iChem				2	4
Mckesson MediLab 10SG				5	13
NDC Pro Advantage				2	3
PSS Consult			1	10	34
PSS Select				2	3
Roche Chemstrip 10 MD				9	21
Roche Chemstrip 10 SG				5	21
Roche Chemstrip 10 UA				7	11
Roche Chemstrip 2 GP					4
Roche Chemstrip 9			1	1	3
Roche Chemstrip, Cobas				3	9
Roche Cobas U 411				3	4
Roche Criterion II				3	2
Roche Urisys 1100				7	18
Roche Urisys 1800, 2400				3	5
Schein Urispec strips			1	1	4
Siemens Clinitek 10	1		1	1	31
Siemens Clinitek 100					12
Siemens Clinitek 50					2
Siemens Clinitek 500				13	13
Siemens Clinitek Advantus	1			26	22
Siemens Clinitek Atlas				1	6
Siemens Clinitek Status, Plus			1	2	354
Siemens Reagent Strips	2		1	10	137
Total Population	5	0	6	130	795
Flagging	***	***			