

EQA round: DGP1/24 - Urine Strip Tests Analysis

Deadline: 16.2.2024

Setup: all data

AV = assigned value

N_{tot} = total number of the resultsN_{eva} = number of the results assessed

CVP = consensus of all participants

N_{rel} = relative number of the resultsN_{suc} = number of successful results

>>> ... expected result

S_{rel} = relative success

> ... acceptable result

± ... result not assessed

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(268) Bilirubin		291			291	289	99
Sample A		291			291	289	99
All results	CVP >>>	289	99	Negative			
		2	0,7	1+, 2+			
Sample B		291			291	290	100
All results	CVP >>>	290	100	Negative			
		1	0,3	1+, 2+			
(264) Total protein		291			291	284	98
Sample A		291			291	289	99
All results	CVP >>>	289	99	Negative, < 0,3 g/L			
		2	0,7	0,3 - 0,5 g/L			
Sample B		291			291	286	98
All results	CVP >>>	128	44	Negative, < 0,3 g/L			
	CVP >>>	158	54	0,3 - 0,5 g/L			
		5	1,7	0,51 - 2,5 g/L			
(261) Glucose		292			292	265	91
Sample A		292			292	265	91
All results		5	1,7	Negative, normal, <= 2,8 mmol/L			
	CVP >>>	118	40	2,81 - 11 mmol/L			
	CVP >>>	147	50	11,1 - 28 mmol/L			
		22	7,5	> 28 mmol/L			
Sample B		292			292	289	99
All results	CVP >>>	289	99	Negative, normal, <= 2,8 mmol/L			
		3	1	2,81 - 11 mmol/L			
(275) hCG		11			11	11	100
Sample A		11			11	11	100
All results	CVP >>>	11	100	Negative			
Sample B		11			11	11	100
All results	CVP >>>	11	100	Positive			
(263) Ketone bodies		291			291	290	100
Sample A		291			291	290	100
All results	CVP >>>	290	100	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
Sample B		291			291	290	100
All results	CVP >>>	290	100	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
(272) Blood		292			292	280	96
Sample A		292			292	285	98
All results		7	2,4	5 - 12 ery/ μ L			
	>	37	13	13 - 50 ery/ μ L			
	CVP >>>	248	85	> 50 ery/ μ L			
Sample B		292			292	286	98
All results	CVP >>>	198	68	Negative			
	>	88	30	5 - 12 ery/ μ L			
		4	1,4	13 - 50 ery/ μ L			
		2	0,7	> 50 ery/ μ L			
(270) WBC		262			262	260	99
Sample A		262			262	261	100
All results		1	0,4	Not specified			
	CVP >>>	261	100	Negative			
Sample B		262			262	261	100
All results	CVP >>>	261	100	Negative			
		1	0,4	10 - 50 leu/ μ L			
(274) Nitrite		263			263	262	100
Sample A		263			263	263	100
All results	CVP >>>	263	100	Negative			
Sample B		263			263	262	100
All results		1	0,4	Not specified			
	CVP >>>	262	100	Negative			
(273) pH		292			292	282	97
Sample A		292			292	291	100
All results	>	49	17	5,0			
	CVP >>>	185	63	5,5			
	>	57	20	6,0			

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			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
		1	0,3	8,5				
Sample B		292				292	282	97
All results		1	0,3	5,5				
		2	0,7	6,0				
		7	2,4	6,5				
	>	22	7,5	7,0				
	>	71	24	7,5				
CVP >>>	>	144	49	8,0				
	>	33	11	8,5				
	>	12	4,1	9,0				
(266) Urobilinogen		291				291	289	99
Sample A		291				291	289	99
All results	CVP >>>	289	99	Negative, < 17 µmol/L				
		2	0,7	1+, 2+				
Sample B		291				291	290	100
All results	CVP >>>	290	100	Negative, < 17 µmol/L				
		1	0,3	1+, 2+				