

EQA round: DGP1/23 - Urine Strip Tests Analysis

Deadline: 17.2.2023

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

CVPG = consensus of the participants' groups

S_{rel} = relative success

>>> ... expected result

> ... 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		298			276	273	99
Sample A		298			298	296	99
All results		1	0,3	Not specified			
CVP >>>		296	99	Negative			
		1	0,3	3+, 4+			
Sample B		298			276	274	99
All results (without individual groups)		1	0,3	Not specified			
		1	0,3	Negative			
		> 9	3	1+, 2+			
CVP >>>		265	89	3+, 4+			
(223) Iris iChem Velocity		± 10	3,4	Negative			
		± 8	2,7	1+, 2+			
		± 4	1,3	3+, 4+			
(264) Total protein		300			300	289	96
Sample A		300			300	299	100
All results	CVP >>>	299	100	Negative, < 0,3 g/L			
		1	0,3	> 2,5 g/L			
Sample B		300			300	289	96
All results		2	0,7	Negative, < 0,3 g/L			
		9	3	0,3 - 0,5 g/L			
		> 106	35	0,51 - 2,5 g/L			
CVP >>>		183	61	> 2,5 g/L			
(261) Glucose		300			300	293	98
Sample A		300			300	299	100
All results	CVP >>>	299	100	Negative, normal, <= 2,8 mmol/L			
		1	0,3	11,1 - 28 mmol/L			
Sample B		300			300	293	98
All results		1	0,3	Negative, normal, <= 2,8 mmol/L			
		6	2	2,81 - 11 mmol/L			
		> 82	27	11,1 - 28 mmol/L			
CVP >>>		211	70	> 28 mmol/L			
(275) hCG		13			13	13	100
Sample A		13			13	13	100
All results	CVP >>>	13	100	Negative			
Sample B		13			13	13	100
All results	CVP >>>	13	100	Positive			
(263) Ketone bodies		299			299	295	99
Sample A		299			299	298	100
All results	CVP >>>	298	100	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
Sample B		299			299	295	99
All results		1	0,3	Not specified			
		3	1	Negative, <= 0,5 mmol/L			
		> 142	47	1+, 2+			
CVP >>>		153	51	3+, 4+			
(272) Blood		300			300	294	98
Sample A		300			300	297	99
All results	CVP >>>	297	99	Negative			
		1	0,3	5 - 12 ery/ μ L			
		1	0,3	13 - 50 ery/ μ L			
		1	0,3	> 50 ery/ μ L			
Sample B		300			300	296	99
All results		1	0,3	Negative			
		3	1	5 - 12 ery/ μ L			
		> 56	19	13 - 50 ery/ μ L			
CVP >>>		240	80	> 50 ery/ μ L			
(270) WBC		265			265	253	95
Sample A		265			265	263	99
All results	CVP >>>	263	99	Negative			
		1	0,4	10 - 50 leu/ μ L			
		1	0,4	> 250 leu/ μ L			
Sample B		265			265	254	96
All results		1	0,4	Negative			

EQA round: DGP1/23 - Urine Strip Tests Analysis

Deadline: 17.2.2023

Setup: all data

Test Sample Group	AV	N _{tot}	N _{rel} [%]	Frequency of the results Result	Success		
					N _{eva}	N _{suc}	S _{rel} [%]
		10	3,8	10 - 50 leu/μL			
	>	73	28	51 - 250 leu/μL			
	CVP >>>	181	68	> 250 leu/μL			
(274) Nitrite		270			270	266	99
Sample A		270			270	269	100
All results	CVP >>>	269	100	Negative			
		1	0,4	Positive			
Sample B		270			270	266	99
All results		4	1,5	Negative			
	CVP >>>	266	99	Positive			
(273) pH		300			300	296	99
Sample A		300			300	297	99
All results	CVP >>>	171	57	5,0			
	>	90	30	5,5			
	>	36	12	6,0			
		2	0,7	6,5			
		1	0,3	7,0			
Sample B		300			300	298	99
All results		1	0,3	5,0			
		1	0,3	5,5			
	>	4	1,3	6,0			
	>	59	20	6,5			
	CVP >>>	160	53	7,0			
	>	68	23	7,5			
	>	7	2,3	8,0			
(266) Urobilinogen		300			300	298	99
Sample A		300			300	299	100
All results	CVP >>>	299	100	Negative, < 17 μmol/L			
		1	0,3	1+, 2+			
Sample B		300			300	298	99
All results		2	0,7	Negative, < 17 μmol/L			
	>	89	30	1+, 2+			
	CVP >>>	209	70	3+, 4+			