

## EQA round: DGP3/24 - Urine Strip Tests Analysis

Deadline: 29.11.2024

Setup: all data

AV = assigned value

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessed

CVP = consensus of all participants

N<sub>rel</sub> = relative number of the resultsN<sub>suc</sub> = number of successful results

CVPG = consensus of the participants' groups

S<sub>rel</sub> = relative success

&gt;&gt;&gt; ... expected result

&gt; ... acceptable result

± ... result not assessed

Test Sample Group	AV	N <sub>tot</sub>	Frequency of the results			Success		
			N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
<b>(268) Bilirubin</b>		312				286	275	96
<b>Sample A</b>		312				286	277	97
All results (without individual groups)		9	2,9	Negative				
	>	19	6,1	1+, 2+				
CVP >>>	258	83		3+, 4+				
(223) Beckman Coulter iChem Velocity / DxU 810c Iris	±	23	7,4	Negative				
	±	3	1	1+, 2+				
<b>Sample B</b>		312				312	309	99
All results	CVP >>>	309	99	Negative				
		2	0,6	1+, 2+				
		1	0,3	3+, 4+				
<b>(264) Total protein</b>		316				316	305	97
<b>Sample A</b>		316				316	306	97
All results		2	0,6	Negative, < 0,3 g/L				
		8	2,5	0,3 - 0,5 g/L				
	>	49	16	0,51 - 2,5 g/L				
CVP >>>	257	81		> 2,5 g/L				
<b>Sample B</b>		316				316	314	99
All results	CVP >>>	314	99	Negative, < 0,3 g/L				
		1	0,3	0,51 - 2,5 g/L				
		1	0,3	> 2,5 g/L				
<b>(261) Glucose</b>		316				316	310	98
<b>Sample A</b>		316				316	311	98
All results		5	1,6	Negative, normal, <= 2,8 mmol/L				
	>	19	6	2,81 - 11 mmol/L				
CVP >>>	135	43		11,1 - 28 mmol/L				
CVP >>>	157	50		> 28 mmol/L				
<b>Sample B</b>		316				316	314	99
All results	CVP >>>	314	99	Negative, normal, <= 2,8 mmol/L				
		1	0,3	2,81 - 11 mmol/L				
		1	0,3	11,1 - 28 mmol/L				
<b>(275) hCG</b>		13				13	12	92
<b>Sample A</b>		13				13	12	92
All results		1	7,7	Not specified				
CVP >>>	12	92		Positive				
<b>Sample B</b>		13				13	13	100
All results	CVP >>>	13	100	Negative				
<b>(263) Ketone bodies</b>		315				315	299	95
<b>Sample A</b>		315				315	302	96
All results		13	4,1	Negative, <= 0,5 mmol/L				
	CVP >>>	209	66	1+, 2+				
	CVP >>>	93	30	3+, 4+				
<b>Sample B</b>		315				315	311	99
All results	CVP >>>	311	99	Negative, <= 0,5 mmol/L				
		4	1,3	1+, 2+				
<b>(272) Blood</b>		316				316	305	97
<b>Sample A</b>		316				316	307	97
All results		4	1,3	Negative				
		5	1,6	5 - 12 ery/ $\mu$ L				
	>	52	16	13 - 50 ery/ $\mu$ L				
CVP >>>	255	81		> 50 ery/ $\mu$ L				
<b>Sample B</b>		316				316	313	99
All results	CVP >>>	313	99	Negative				
		1	0,3	5 - 12 ery/ $\mu$ L				
		2	0,6	> 50 ery/ $\mu$ L				
<b>(270) WBC</b>		287				261	248	95
<b>Sample A</b>		287				261	249	95
All results (without individual groups)		12	4,2	Negative				
	>	36	13	10 - 50 leu/ $\mu$ L				
CVP >>>	157	55		51 - 250 leu/ $\mu$ L				
	>	56	20	> 250 leu/ $\mu$ L				

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Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
(223) Beckman Coulter iChem Velocity / DxU 810c Iris	±	22	7,7	Negative			
	±	1	0,3	10 - 50 leu/μL			
	±	3	1	51 - 250 leu/μL			
<b>Sample B</b>		287			287	285	99
All results	CVP >>>	285	99	Negative			
		1	0,3	51 - 250 leu/μL			
		1	0,3	> 250 leu/μL			
(274) Nitrite		289			289	281	97
<b>Sample A</b>		289			289	285	99
All results		4	1,4	Negative			
	CVP >>>	285	99	Positive			
<b>Sample B</b>		289			289	284	98
All results		1	0,3	Not specified			
	CVP >>>	284	98	Negative			
		4	1,4	Positive			
(273) pH		316			316	312	99
<b>Sample A</b>		316			316	314	99
All results		2	0,6	5,0			
	>	1	0,3	6,0			
	>	22	7	6,5			
	CVP >>>	88	28	7,0			
	CVP >>>	91	29	7,5			
	CVP >>>	109	34	8,0			
	>	1	0,3	8,5			
	>	2	0,6	9,0			
<b>Sample B</b>		316			316	312	99
All results	CVP >>>	226	72	5,0			
	>	62	20	5,5			
	>	24	7,6	6,0			
		2	0,6	6,5			
		2	0,6	8,0			
(266) Urobilinogen		316			316	292	92
<b>Sample A</b>		316			316	295	93
All results		21	6,6	Negative, < 17 μmol/L			
	CVP >>>	91	29	1+, 2+			
	CVP >>>	204	65	3+, 4+			
<b>Sample B</b>		316			316	312	99
All results	CVP >>>	312	99	Negative, < 17 μmol/L			
		4	1,3	1+, 2+			