

## EQA round: DGP1/25 - Urine Strip Tests Analysis

Deadline: 14.2.2025

Setup: all data

AV = assigned value	N <sub>tot</sub> = total number of the results	N <sub>eva</sub> = number of the results assessed
CVP = consensus of all participants	N <sub>rel</sub> = relative number of the results	N <sub>suc</sub> = number of successful results
CVPG = consensus of the participants' groups		S <sub>rel</sub> = relative success
>>> ... expected result		
> ... acceptable result		
± ... result not assessed		

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> [%]
<b>(268) Bilirubin</b>		294			270	266	99
<b>Sample A</b>		294			294	292	99
All results	CVP >>>	292	99	Negative			
		1	0,3	1+, 2+			
		1	0,3	3+, 4+			
<b>Sample B</b>		294			270	267	99
All results (without individual groups)		1	0,3	Not specified			
		2	0,7	Negative			
	>	9	3,1	1+, 2+			
	CVP >>>	258	88	3+, 4+			
(223) Beckman Coulter iChem Velocity / DxU 810c Iris	±	19	6,5	Negative			
	±	4	1,4	1+, 2+			
	±	1	0,3	3+, 4+			
<b>(264) Total protein</b>		296			296	292	99
<b>Sample A</b>		296			296	295	100
All results	CVP >>>	295	100	Negative, < 0,3 g/L			
		1	0,3	> 2,5 g/L			
<b>Sample B</b>		296			296	292	99
All results		4	1,4	Negative, < 0,3 g/L			
	>	35	12	0,3 - 0,5 g/L			
	CVP >>>	168	57	0,51 - 2,5 g/L			
	CVP >>>	89	30	> 2,5 g/L			
<b>(261) Glucose</b>		297			297	295	99
<b>Sample A</b>		297			297	296	100
All results	CVP >>>	296	100	Negative, normal, <= 2,8 mmol/L			
		1	0,3	11,1 - 28 mmol/L			
<b>Sample B</b>		297			297	295	99
All results		2	0,7	Negative, normal, <= 2,8 mmol/L			
	>	11	3,7	2,81 - 11 mmol/L			
	CVP >>>	115	39	11,1 - 28 mmol/L			
	CVP >>>	169	57	> 28 mmol/L			
<b>(275) hCG</b>		10			10	10	100
<b>Sample A</b>		10			10	10	100
All results	CVP >>>	10	100	Negative			
<b>Sample B</b>		10			10	10	100
All results	CVP >>>	10	100	Positive			
<b>(263) Ketone bodies</b>		296			296	288	97
<b>Sample A</b>		296			296	293	99
All results		1	0,3	Not specified			
	CVP >>>	293	99	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
		1	0,3	3+, 4+			
<b>Sample B</b>		296			296	290	98
All results		6	2	Negative, <= 0,5 mmol/L			
	CVP >>>	171	58	1+, 2+			
	CVP >>>	119	40	3+, 4+			
<b>(272) Blood</b>		297			297	292	98
<b>Sample A</b>		297			297	293	99
All results	CVP >>>	293	99	Negative			
		3	1	5 - 12 ery/ $\mu$ L			
		1	0,3	> 50 ery/ $\mu$ L			
<b>Sample B</b>		297			297	295	99
All results		1	0,3	Negative			
		1	0,3	5 - 12 ery/ $\mu$ L			
	>	29	9,8	13 - 50 ery/ $\mu$ L			
	CVP >>>	266	90	> 50 ery/ $\mu$ L			
<b>(270) WBC</b>		269			269	260	97
<b>Sample A</b>		269			269	268	100
All results	CVP >>>	268	100	Negative			
		1	0,4	51 - 250 leu/ $\mu$ L			
<b>Sample B</b>		269			269	260	97
All results		9	3,3	Negative			

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			N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
	>	31	12	10 - 50 leu/μL			
	CVP >>>	116	43	51 - 250 leu/μL			
	CVP >>>	113	42	> 250 leu/μL			
<b>(274) Nitrite</b>		270			270	268	99
<b>Sample A</b>		270			270	269	100
All results	CVP >>>	269	100	Negative			
		1	0,4	Positive			
<b>Sample B</b>		270			270	268	99
All results		2	0,7	Negative			
	CVP >>>	268	99	Positive			
<b>(273) pH</b>		297			297	294	99
<b>Sample A</b>		297			297	295	99
All results	CVP >>>	223	75	5,0			
	>	56	19	5,5			
	>	16	5,4	6,0			
		1	0,3	6,5			
		1	0,3	7,5			
<b>Sample B</b>		297			297	295	99
All results		1	0,3	5,5			
		1	0,3	6,0			
	>	30	10	6,5			
	>	57	19	7,0			
	CVP >>>	100	34	7,5			
	CVP >>>	100	34	8,0			
	>	2	0,7	8,5			
	>	6	2	9,0			
<b>(266) Urobilinogen</b>		297			263	261	99
<b>Sample A</b>		297			297	296	100
All results	CVP >>>	296	100	Negative, < 17 μmol/L			
		1	0,3	3+, 4+			
<b>Sample B</b>		297			263	261	99
All results (without individual groups)		2	0,7	Negative, < 17 μmol/L			
	>	33	11	1+, 2+			
	CVP >>>	228	77	3+, 4+			
<b>(204) Siemens Clinitek Novus</b>	±	13	4,4	Negative, < 17 μmol/L			
	±	18	6,1	1+, 2+			
	±	3	1	3+, 4+			