

## Summary statistics - qualitative results

(Groups: measurement principle)

## EQA round: DGP3/22 - Urine Strip Tests Analysis

Deadline: 02.12.2022

Key:	>>> ... marks correct (expected) result	N ... number of the results
	> ... marks conditionally correct (acceptable) result	Nrel ... relative number of the results
	± ... marks the result not evaluated	

Test	Sample	Group	N	Result	N <sub>rel</sub>
<b>(268) Bilirubin</b>					
A	(1)	Visual	>>> 29	3+, 4+	9,4 %
	(2)	Reflectance (reader)	1	Negative	0,32 %
			> 6	1+, 2+	1,9 %
			>>> 249	3+, 4+	80 %
	(2)	Reflectance (reader); (223) Iris iChem Velocity	± 9	Negative	2,9 %
			± 14	1+, 2+	4,5 %
			± 2	3+, 4+	0,65 %
----- Total per sample: n = 310 ----- Success (only evaluated results): 100 % -----					
B	(1)	Visual	>>> 29	Negative	9,4 %
	(2)	Reflectance (reader)	>>> 279	Negative	90 %
			1	1+, 2+	0,32 %
			1	3+, 4+	0,32 %
----- Total per sample: n = 310 ----- Success: 99 % -----					
Total success (only evaluated tests): 99 %					

<b>(264) Total protein</b>					
A	(1)	Visual	1	0,3 - 0,5 g/L	0,32 %
			> 10	0,51 - 2,5 g/L	3,2 %
			>>> 21	> 2,5 g/L	6,7 %
	(2)	Reflectance (reader)	15	0,3 - 0,5 g/L	4,8 %
			> 64	0,51 - 2,5 g/L	20 %
			>>> 203	> 2,5 g/L	65 %
----- Total per sample: n = 314 ----- Success: 95 % -----					
B	(1)	Visual	4	Negative, < 0,3 g/L	1,3 %
			>>> 19	0,3 - 0,5 g/L	6,1 %
			>>> 8	0,51 - 2,5 g/L	2,5 %
			> 1	> 2,5 g/L	0,32 %
	(2)	Reflectance (reader)	11	Negative, < 0,3 g/L	3,5 %
			>>> 136	0,3 - 0,5 g/L	43 %
			>>> 127	0,51 - 2,5 g/L	40 %
			> 8	> 2,5 g/L	2,5 %
----- Total per sample: n = 314 ----- Success: 95 % -----					
Total success: 92 %					

<b>(261) Glucose</b>					
A	(1)	Visual	> 4	11,1 - 28 mmol/L	1,3 %
			>>> 28	> 28 mmol/L	8,9 %
	(2)	Reflectance (reader)	3	2,81 - 11 mmol/L	0,96 %
			> 81	11,1 - 28 mmol/L	26 %
			>>> 198	> 28 mmol/L	63 %
----- Total per sample: n = 314 ----- Success: 99 % -----					
B	(1)	Visual	> 2	2,81 - 11 mmol/L	0,64 %
			>>> 22	11,1 - 28 mmol/L	7,0 %
			> 8	> 28 mmol/L	2,5 %
	(2)	Reflectance (reader)	1	Negative, normal, <= 2,8 mmol/L	0,32 %
			> 36	2,81 - 11 mmol/L	11 %
			>>> 218	11,1 - 28 mmol/L	69 %
			> 27	> 28 mmol/L	8,6 %
----- Total per sample: n = 314 ----- Success: 100 % -----					
Total success: 99 %					

<b>(275) hCG</b>					
A	(1)	Visual	>>> 9	Positive	75 %
	(2)	Reflectance (reader)	>>> 3	Positive	25 %
----- Total per sample: n = 12 ----- Success: 100 % -----					
B	(1)	Visual	>>> 9	Negative	75 %
	(2)	Reflectance (reader)	>>> 3	Negative	25 %
----- Total per sample: n = 12 ----- Success: 100 % -----					
Total success: 100 %					

<b>(263) Ketone bodies</b>					
A	(1)	Visual	> 22	1+, 2+	7,0 %
			>>> 10	3+, 4+	3,2 %
	(2)	Reflectance (reader)	4	Negative, <= 0,5 mmol/L	1,3 %
			> 138	1+, 2+	44 %

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A	(2) Reflectance (reader)	>>>	139	3+, 4+	44 %
----- Total per sample: n = 313 ----- Success: 99 % -----					
B	(1) Visual	>>>	32	Negative, <= 0,5 mmol/L	10 %
	(2) Reflectance (reader)	>>>	279	Negative, <= 0,5 mmol/L	89 %
			2	3+, 4+	0,64 %
----- Total per sample: n = 313 ----- Success: 99 % -----					
Total success: 98 %					

**(272) Blood**

A	(1) Visual	>	11	13 - 50 ery/ $\mu$ L	3,5 %
		>>>	21	> 50 ery/ $\mu$ L	6,7 %
	(2) Reflectance (reader)		1	Negative	0,32 %
			9	5 - 12 ery/ $\mu$ L	2,9 %
		>	66	13 - 50 ery/ $\mu$ L	21 %
		>>>	206	> 50 ery/ $\mu$ L	66 %
----- Total per sample: n = 314 ----- Success: 97 % -----					
B	(1) Visual	>	4	13 - 50 ery/ $\mu$ L	1,3 %
		>>>	28	> 50 ery/ $\mu$ L	8,9 %
	(2) Reflectance (reader)		2	Negative	0,64 %
			1	5 - 12 ery/ $\mu$ L	0,32 %
		>	24	13 - 50 ery/ $\mu$ L	7,6 %
		>>>	255	> 50 ery/ $\mu$ L	81 %
----- Total per sample: n = 314 ----- Success: 99 % -----					
Total success: 96 %					

**(270) WBC**

A	(1) Visual	>	3	51 - 250 leu/ $\mu$ L	1,1 %
		>>>	3	> 250 leu/ $\mu$ L	1,1 %
	(2) Reflectance (reader)		1	Negative	0,36 %
			6	10 - 50 leu/ $\mu$ L	2,2 %
		>	85	51 - 250 leu/ $\mu$ L	31 %
		>>>	180	> 250 leu/ $\mu$ L	65 %
----- Total per sample: n = 278 ----- Success: 97 % -----					
B	(1) Visual	>>>	6	Negative	2,2 %
	(2) Reflectance (reader)	>>>	268	Negative	96 %
			3	51 - 250 leu/ $\mu$ L	1,1 %
			1	> 250 leu/ $\mu$ L	0,36 %
----- Total per sample: n = 278 ----- Success: 99 % -----					
Total success: 96 %					

**(274) Nitrite**

A	(1) Visual	>>>	9	Positive	3,2 %
	(2) Reflectance (reader)		3	Negative	1,1 %
		>>>	271	Positive	96 %
----- Total per sample: n = 283 ----- Success: 99 % -----					
B	(1) Visual	>>>	9	Negative	3,2 %
	(2) Reflectance (reader)	>>>	273	Negative	96 %
			1	Positive	0,35 %
----- Total per sample: n = 283 ----- Success: 100 % -----					
Total success: 99 %					

**(273) pH**

A	(1) Visual	>	3	6,5	0,96 %
		>>>	27	7,0	8,6 %
		>	2	7,5	0,64 %
	(2) Reflectance (reader)		1	5,5	0,32 %
		>	4	6,0	1,3 %
		>	49	6,5	16 %
		>>>	164	7,0	52 %
		>	57	7,5	18 %
		>	6	8,0	1,9 %
			1	9,0	0,32 %
----- Total per sample: n = 314 ----- Success: 99 % -----					
B	(1) Visual	>	1	5,5	0,32 %
		>	22	6,0	7,0 %
		>>>	6	6,5	1,9 %
		>	3	7,0	0,96 %
	(2) Reflectance (reader)		3	5,0	0,96 %
		>	1	5,5	0,32 %
		>	41	6,0	13 %
		>>>	201	6,5	64 %
		>	35	7,0	11 %

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Test		N	Result	N <sub>rel</sub>
Sample	Group			
B	(2) Reflectance (reader)	> 1	7,5	0,32 %
Total per sample: n = 314		Success: 99 %		
Total success: 98 %				

**(266) Urobilinogen**

A	(1) Visual	> 7	1+, 2+	2,2 %
		>>> 25	3+, 4+	8,0 %
	(2) Reflectance (reader)	2	Negative, < 17 µmol/L	0,64 %
	> 97	1+, 2+	31 %	
	>>> 183	3+, 4+	58 %	
Total per sample: n = 314		Success: 99 %		
B	(1) Visual	>>> 32	Negative, < 17 µmol/L	10 %
	(2) Reflectance (reader)	>>> 281	Negative, < 17 µmol/L	89 %
		1	1+, 2+	0,32 %
	Total per sample: n = 314		Success: 100 %	
Total success: 99 %				

st\_kl End of report

Printed: 08.12.2022