

## Summary statistics - qualitative results

(Groups: measurement principle)

## EQA round: DGP3/20 - Urine Strip Tests Analysis

Deadline: 04.12.2020

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>(261) Glucose</b>					
A	(1)	Visual	>>> 40	Negative, normal, <= 2,8 mmol/L	12 %
	(2)	Reflectance (reader)	>>> 284	Negative, normal, <= 2,8 mmol/L	87 %
			1	11,1 - 28 mmol/L	0,31 %
-----		Total per sample: n = 325	-----	Success: 100 %	-----
B	(1)	Visual	>>> 5	11,1 - 28 mmol/L	1,5 %
			>>> 35	> 28 mmol/L	11 %
	(2)	Reflectance (reader)	2	Negative, normal, <= 2,8 mmol/L	0,62 %
			> 12	2,81 - 11 mmol/L	3,7 %
			>>> 139	11,1 - 28 mmol/L	43 %
			>>> 132	> 28 mmol/L	41 %
-----		Total per sample: n = 325	-----	Success: 99 %	-----
Total success: 99 %					
<b>(263) Ketone bodies</b>					
A	(1)	Visual	>>> 40	Negative, <= 0,5 mmol/L	12 %
	(2)	Reflectance (reader)	>>> 284	Negative, <= 0,5 mmol/L	87 %
			1	3+, 4+	0,31 %
-----		Total per sample: n = 325	-----	Success: 100 %	-----
B	(1)	Visual	> 8	1+, 2+	2,5 %
			>>> 32	3+, 4+	9,8 %
	(2)	Reflectance (reader)	1	Negative, <= 0,5 mmol/L	0,31 %
			> 89	1+, 2+	27 %
			>>> 195	3+, 4+	60 %
-----		Total per sample: n = 325	-----	Success: 100 %	-----
Total success: 100 %					
<b>(264) Total protein</b>					
A	(1)	Visual	>>> 39	Negative, < 0,3 g/L	12 %
	(2)	Reflectance (reader)	>>> 284	Negative, < 0,3 g/L	88 %
			1	> 2,5 g/L	0,31 %
-----		Total per sample: n = 324	-----	Success: 100 %	-----
B	(1)	Visual	> 6	0,51 - 2,5 g/L	1,9 %
			>>> 33	> 2,5 g/L	10 %
	(2)	Reflectance (reader)	4	Negative, < 0,3 g/L	1,2 %
			8	0,3 - 0,5 g/L	2,5 %
			> 53	0,51 - 2,5 g/L	16 %
			>>> 220	> 2,5 g/L	68 %
-----		Total per sample: n = 324	-----	Success: 96 %	-----
Total success: 96 %					
<b>(266) Urobilinogen</b>					
A	(1)	Visual	>>> 39	Negative, < 17 µmol/L	12 %
	(2)	Reflectance (reader)	>>> 284	Negative, < 17 µmol/L	88 %
			1	1+, 2+	0,31 %
-----		Total per sample: n = 324	-----	Success: 100 %	-----
B	(1)	Visual	> 4	1+, 2+	1,2 %
			>>> 35	3+, 4+	11 %
	(2)	Reflectance (reader)	2	Negative, < 17 µmol/L	0,62 %
			> 63	1+, 2+	19 %
			>>> 220	3+, 4+	68 %
-----		Total per sample: n = 324	-----	Success: 99 %	-----
Total success: 99 %					
<b>(268) Bilirubin</b>					
A	(1)	Visual	>>> 34	Negative	11 %
	(2)	Reflectance (reader)	>>> 283	Negative	89 %
			1	3+, 4+	0,31 %
-----		Total per sample: n = 318	-----	Success: 100 %	-----
B	(1)	Visual	>>> 34	3+, 4+	11 %
	(2)	Reflectance (reader)	4	Negative	1,3 %
			> 29	1+, 2+	9,1 %
			>>> 251	3+, 4+	79 %
-----		Total per sample: n = 318	-----	Success: 99 %	-----
Total success: 99 %					
<b>(270) WBC</b>					
A	(1)	Visual	>>> 8	Negative	2,9 %
			1	10 - 50 leu/µL	0,36 %

Test			N	Result	N <sub>rel</sub>
Sample	Group				
A	(2) Reflectance (reader)	>>>	270	Negative	96 %
			1	51 - 250 leu/μL	0,36 %
Total per sample: n = 280		Success: 99 %			
B	(1) Visual	>>>	3	51 - 250 leu/μL	1,1 %
		>>>	6	> 250 leu/μL	2,1 %
	(2) Reflectance (reader)		2	Negative	0,71 %
		>	24	10 - 50 leu/μL	8,6 %
		>>>	108	51 - 250 leu/μL	39 %
		>>>	137	> 250 leu/μL	49 %
Total per sample: n = 280		Success: 99 %			
Total success: 99 %					
<b>(272) Blood</b>					
A	(1) Visual	>>>	40	Negative	12 %
	(2) Reflectance (reader)		1	Not specified	0,31 %
		>>>	278	Negative	86 %
			5	5 - 12 ery/μL	1,5 %
			1	> 50 ery/μL	0,31 %
Total per sample: n = 325		Success: 98 %			
B	(1) Visual	>	1	13 - 50 ery/μL	0,31 %
		>>>	39	> 50 ery/μL	12 %
	(2) Reflectance (reader)		1	Negative	0,31 %
			1	5 - 12 ery/μL	0,31 %
		>	24	13 - 50 ery/μL	7,4 %
		>>>	259	> 50 ery/μL	80 %
Total per sample: n = 325		Success: 99 %			
Total success: 98 %					
<b>(273) pH</b>					
A	(1) Visual	>>>	36	5,0	11 %
		>	3	6,0	0,93 %
			1	7,0	0,31 %
	(2) Reflectance (reader)	>>>	239	5,0	74 %
		>	28	5,5	8,7 %
		>	13	6,0	4,0 %
			1	6,5	0,31 %
			2	7,0	0,62 %
Total per sample: n = 323		Success: 99 %			
B	(1) Visual		1	5,0	0,31 %
		>	1	6,0	0,31 %
		>	2	6,5	0,62 %
		>>>	29	7,0	9,0 %
		>	7	7,5	2,2 %
	(2) Reflectance (reader)		1	5,0	0,31 %
		>	12	6,0	3,7 %
		>	49	6,5	15 %
		>>>	144	7,0	45 %
		>	75	7,5	23 %
		>	2	8,0	0,62 %
Total per sample: n = 323		Success: 99 %			
Total success: 99 %					
<b>(274) Nitrite</b>					
A	(1) Visual	>>>	10	Negative	3,5 %
	(2) Reflectance (reader)	>>>	274	Negative	96 %
			1	Positive	0,35 %
Total per sample: n = 285		Success: 100 %			
B	(1) Visual	>>>	10	Positive	3,5 %
	(2) Reflectance (reader)		2	Negative	0,70 %
		>>>	273	Positive	96 %
Total per sample: n = 285		Success: 99 %			
Total success: 99 %					
<b>(275) hCG</b>					
A	(1) Visual	>>>	13	Negative	76 %
	(2) Reflectance (reader)	>>>	4	Negative	24 %
Total per sample: n = 17		Success: 100 %			
B	(1) Visual		1	Negative	5,9 %
		>>>	12	Positive	71 %
	(2) Reflectance (reader)	>>>	4	Positive	24 %
Total per sample: n = 17		Success: 94 %			
Total success: 94 %					

