

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: DGP2/21 - Urine Strip Tests Analysis

Deadline: 21.05.2021

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 _{rel}
(261) Glucose				
A	(1) Visual	>	1 11,1 - 28 mmol/L	1,7 %
		>>>	4 > 28 mmol/L	6,8 %
	(2) Reflectance (reader)		1 Negative, normal, <= 2,8 mmol/L	1,7 %
			1 2,81 - 11 mmol/L	1,7 %
		>	20 11,1 - 28 mmol/L	34 %
		>>>	32 > 28 mmol/L	54 %
Total per sample: n = 59		Success: 97 %		
B	(1) Visual	>>>	3 Negative, normal, <= 2,8 mmol/L	5,1 %
			2 2,81 - 11 mmol/L	3,4 %
	(2) Reflectance (reader)	>>>	47 Negative, normal, <= 2,8 mmol/L	80 %
			6 2,81 - 11 mmol/L	10 %
			1 11,1 - 28 mmol/L	1,7 %
		Total per sample: n = 59		Success: 85 %
Total success: 83 %				
(263) Ketone bodies				
A	(1) Visual	>>>	2 1+, 2+	3,4 %
		>	3 3+, 4+	5,1 %
	(2) Reflectance (reader)		4 Negative, <= 0,5 mmol/L	6,8 %
		>>>	34 1+, 2+	58 %
		>	16 3+, 4+	27 %
		Total per sample: n = 59		Success: 93 %
B	(1) Visual	>>>	5 Negative, <= 0,5 mmol/L	8,5 %
	(2) Reflectance (reader)	>>>	53 Negative, <= 0,5 mmol/L	90 %
			1 1+, 2+	1,7 %
Total per sample: n = 59		Success: 98 %		
Total success: 93 %				
(264) Total protein				
A	(1) Visual	>>>	1 0,51 - 2,5 g/L	1,7 %
		>>>	4 > 2,5 g/L	6,8 %
	(2) Reflectance (reader)		2 Negative, < 0,3 g/L	3,4 %
		>	4 0,3 - 0,5 g/L	6,8 %
		>>>	28 0,51 - 2,5 g/L	47 %
		>>>	20 > 2,5 g/L	34 %
Total per sample: n = 59		Success: 97 %		
B	(1) Visual	>>>	5 Negative, < 0,3 g/L	8,5 %
	(2) Reflectance (reader)	>>>	53 Negative, < 0,3 g/L	90 %
			1 > 2,5 g/L	1,7 %
Total per sample: n = 59		Success: 98 %		
Total success: 97 %				
(266) Urobilinogen				
A	(1) Visual	>>>	5 3+, 4+	8,5 %
			2 Negative, < 17 µmol/L	3,4 %
	(2) Reflectance (reader)	>	23 1+, 2+	39 %
		>>>	29 3+, 4+	49 %
Total per sample: n = 59		Success: 97 %		
B	(1) Visual	>>>	5 Negative, < 17 µmol/L	8,5 %
	(2) Reflectance (reader)	>>>	53 Negative, < 17 µmol/L	90 %
			1 1+, 2+	1,7 %
Total per sample: n = 59		Success: 98 %		
Total success: 97 %				
(268) Bilirubin				
A	(1) Visual	>>>	4 3+, 4+	6,9 %
			1 Negative	1,7 %
	(2) Reflectance (reader)	>	5 1+, 2+	8,6 %
		>>>	48 3+, 4+	83 %
Total per sample: n = 58		Success: 98 %		
B	(1) Visual	>>>	4 Negative	6,9 %
	(2) Reflectance (reader)	>>>	53 Negative	91 %
			1 3+, 4+	1,7 %
Total per sample: n = 58		Success: 98 %		
Total success: 98 %				
(270) WBC				
A	(1) Visual	>>>	1 > 250 leu/µL	1,9 %

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Test		N	Result	N _{rel}
Sample	Group			
A	(2) Reflectance (reader)	8	Negative	15 %
		> 2	10 - 50 leu/μL	3,8 %
		>>> 18	51 - 250 leu/μL	34 %
		>>> 24	> 250 leu/μL	45 %
		Total per sample: n = 53		Success: 85 %
B	(1) Visual	>>> 1	Negative	1,9 %
	(2) Reflectance (reader)	>>> 51	Negative	96 %
		1	51 - 250 leu/μL	1,9 %
		Total per sample: n = 53		Success: 98 %
Total success: 85 %				

(272) Blood

A	(1) Visual	>>> 5	> 50 ery/μL	8,5 %	
		(2) Reflectance (reader)	1	Negative	1,7 %
			> 6	13 - 50 ery/μL	10 %
			>>> 47	> 50 ery/μL	80 %
Total per sample: n = 59		Success: 98 %			
B	(1) Visual	>>> 5	Negative	8,5 %	
		(2) Reflectance (reader)	>>> 52	Negative	88 %
			1	5 - 12 ery/μL	1,7 %
			1	> 50 ery/μL	1,7 %
			Total per sample: n = 59		Success: 97 %
Total success: 97 %					

(273) pH

A	(1) Visual	>>> 5	7,0	8,5 %	
		(2) Reflectance (reader)	1	5,0	1,7 %
			> 13	6,5	22 %
			>>> 29	7,0	49 %
			> 10	7,5	17 %
			> 1	8,0	1,7 %
Total per sample: n = 59		Success: 98 %			
B	(1) Visual	> 3	6,0	5,1 %	
		>>> 1	6,5	1,7 %	
		> 1	7,0	1,7 %	
		(2) Reflectance (reader)	2	5,0	3,4 %
			> 12	6,0	20 %
			>>> 36	6,5	61 %
			> 4	7,0	6,8 %
Total per sample: n = 59		Success: 97 %			
Total success: 95 %					

(274) Nitrite

A	(1) Visual	>>> 3	Positive	5,4 %	
		(2) Reflectance (reader)	1	Negative	1,8 %
			>>> 52	Positive	93 %
Total per sample: n = 56		Success: 98 %			
B	(1) Visual	>>> 3	Negative	5,4 %	
		(2) Reflectance (reader)	>>> 52	Negative	93 %
			1	Positive	1,8 %
			Total per sample: n = 56		Success: 98 %
Total success: 98 %					

(275) hCG

A	(1) Visual	1	Negative	17 %	
		>>> 2	Positive	33 %	
		(2) Reflectance (reader)	1	Negative	17 %
			>>> 2	Positive	33 %
Total per sample: n = 6		Success: 67 %			
B	(1) Visual	>>> 2	Negative	33 %	
		1	Positive	17 %	
		(2) Reflectance (reader)	>>> 2	Negative	33 %
			1	Positive	17 %
			Total per sample: n = 6		Success: 67 %
Total success: 67 %					