

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: DGP3/18 - Urine Strip Tests Analysis

Dead line: 30.11.2018

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	> 3	11,1 - 28 mmol/L	0,96 %
		>>> 37	> 28 mmol/L	12 %
	(2) Reflectance (reader)	1	Negative, normal, <= 2,8 mmol/L	0,32 %
		4	2,81 - 11 mmol/L	1,3 %
		> 109	11,1 - 28 mmol/L	35 %
		>>> 160	> 28 mmol/L	51 %
----- Total per sample: n = 314		----- Success: 98 %	-----	
B	(1) Visual	>>> 40	Negative, normal, <= 2,8 mmol/L	13 %
	(2) Reflectance (reader)	>>> 273	Negative, normal, <= 2,8 mmol/L	87 %
		1	> 28 mmol/L	0,32 %
----- Total per sample: n = 314		----- Success: 100 %	-----	
Total success: 98 %				

(263) Ketone bodies

A	(1) Visual	> 22	1+, 2+	7,0 %
		>>> 18	3+, 4+	5,7 %
	(2) Reflectance (reader)	1	Negative, <= 0,5 mmol/L	0,32 %
		> 107	1+, 2+	34 %
		>>> 167	3+, 4+	53 %
----- Total per sample: n = 315		----- Success: 100 %	-----	
B	(1) Visual	>>> 40	Negative, <= 0,5 mmol/L	13 %
	(2) Reflectance (reader)	>>> 272	Negative, <= 0,5 mmol/L	86 %
		1	1+, 2+	0,32 %
		2	3+, 4+	0,63 %
----- Total per sample: n = 315		----- Success: 99 %	-----	
Total success: 99 %				

(264) Total protein

A	(1) Visual	> 8	0,51 - 2,5 g/L	2,5 %
		>>> 32	> 2,5 g/L	10 %
	(2) Reflectance (reader)	1	Negative, < 0,3 g/L	0,32 %
		2	0,3 - 0,5 g/L	0,63 %
		> 22	0,51 - 2,5 g/L	7,0 %
		>>> 250	> 2,5 g/L	79 %
----- Total per sample: n = 315		----- Success: 99 %	-----	
B	(1) Visual	>>> 40	Negative, < 0,3 g/L	13 %
	(2) Reflectance (reader)	>>> 274	Negative, < 0,3 g/L	87 %
		1	> 2,5 g/L	0,32 %
----- Total per sample: n = 315		----- Success: 100 %	-----	
Total success: 99 %				

(266) Urobilinogen

A	(1) Visual	> 11	1+, 2+	3,5 %
		>>> 29	3+, 4+	9,2 %
	(2) Reflectance (reader)	4	Negative, < 17 µmol/L	1,3 %
		> 50	1+, 2+	16 %
		>>> 221	3+, 4+	70 %
----- Total per sample: n = 315		----- Success: 99 %	-----	
B	(1) Visual	>>> 40	Negative, < 17 µmol/L	13 %
	(2) Reflectance (reader)	>>> 273	Negative, < 17 µmol/L	87 %
		2	3+, 4+	0,63 %
----- Total per sample: n = 315		----- Success: 99 %	-----	
Total success: 99 %				

(268) Bilirubin

A	(1) Visual	>>> 34	3+, 4+	11 %
	(2) Reflectance (reader)	1	Not specified	0,32 %
		3	Negative	0,97 %
		> 18	1+, 2+	5,8 %
		>>> 236	3+, 4+	76 %
	(2) Reflectance (reader); (223) Iris iChem Velocity	± 9	Negative	2,9 %
		± 7	1+, 2+	2,3 %
		± 1	3+, 4+	0,32 %
----- Total per sample: n = 309		----- Success (only evaluated results): 99 %	-----	
B	(1) Visual	>>> 34	Negative	11 %

Test			N	Result	N _{rel}
Sample	Group				
B	(2) Reflectance (reader)	>>>	273	Negative	88 %
			1	1+, 2+	0,32 %
			1	3+, 4+	0,32 %
Total per sample: n = 309		Success: 99 %			
Total success (only evaluated tests): 98 %					
(270) WBC					
A	(1) Visual	>	4	51 - 250 leu/ μ L	1,5 %
		>>>	4	> 250 leu/ μ L	1,5 %
	(2) Reflectance (reader)		3	Negative	1,1 %
			15	10 - 50 leu/ μ L	5,6 %
		>	68	51 - 250 leu/ μ L	25 %
		>>>	176	> 250 leu/ μ L	65 %
Total per sample: n = 270		Success: 93 %			
B	(1) Visual	>>>	8	Negative	3,0 %
	(2) Reflectance (reader)	>>>	260	Negative	96 %
			1	10 - 50 leu/ μ L	0,37 %
			1	> 250 leu/ μ L	0,37 %
Total per sample: n = 270		Success: 99 %			
Total success: 93 %					
(272) Blood					
A	(1) Visual	>	2	13 - 50 ery/ μ L	0,63 %
		>>>	38	> 50 ery/ μ L	12 %
	(2) Reflectance (reader)		1	Negative	0,32 %
			4	5 - 12 ery/ μ L	1,3 %
		>	22	13 - 50 ery/ μ L	7,0 %
		>>>	248	> 50 ery/ μ L	79 %
Total per sample: n = 315		Success: 98 %			
B	(1) Visual	>>>	39	Negative	12 %
			1	5 - 12 ery/ μ L	0,32 %
	(2) Reflectance (reader)	>>>	270	Negative	86 %
			2	5 - 12 ery/ μ L	0,63 %
			2	13 - 50 ery/ μ L	0,63 %
			1	> 50 ery/ μ L	0,32 %
Total per sample: n = 315		Success: 98 %			
Total success: 97 %					
(273) pH					
A	(1) Visual	>	1	6,0	0,32 %
		>>>	24	7,0	7,6 %
		>>>	9	7,5	2,9 %
		>>>	6	8,0	1,9 %
	(2) Reflectance (reader)		1	5,0	0,32 %
		>	1	6,0	0,32 %
		>	19	6,5	6,0 %
		>>>	40	7,0	13 %
		>>>	68	7,5	22 %
		>>>	140	8,0	44 %
		>	6	8,5	1,9 %
Total per sample: n = 315		Success: 100 %			
B	(1) Visual	>>>	38	5,0	12 %
		>	1	5,5	0,32 %
		>	1	6,0	0,32 %
	(2) Reflectance (reader)	>>>	231	5,0	73 %
		>	26	5,5	8,3 %
		>	16	6,0	5,1 %
			1	6,5	0,32 %
			1	8,0	0,32 %
Total per sample: n = 315		Success: 99 %			
Total success: 99 %					
(274) Nitrite					
A	(1) Visual	>>>	10	Positive	3,7 %
	(2) Reflectance (reader)		1	Negative	0,37 %
		>>>	261	Positive	96 %
Total per sample: n = 272		Success: 100 %			
B	(1) Visual	>>>	10	Negative	3,7 %
	(2) Reflectance (reader)		1	Not specified	0,37 %
		>>>	260	Negative	96 %
			1	Positive	0,37 %
Total per sample: n = 272		Success: 99 %			

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(Groups: measurement principle)

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Dead line: 30.11.2018

Test

Sample	Group		N	Result	N _{rel}
Total success: 99 %					
(275) hCG					
A	(1) Visual	>>>	14	Positive	82 %
	(2) Reflectance (reader)		1	Negative	5,9 %
		>>>	2	Positive	12 %
Total per sample: n = 17		Success: 94 %			
B	(1) Visual	>>>	14	Negative	82 %
	(2) Reflectance (reader)	>>>	3	Negative	18 %
	Total per sample: n = 17		Success: 100 %		
Total success: 94 %					

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End of report

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