

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: DGP1/18 - Urine Strip Tests Analysis

Dead line: 16.02.2018

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	>>> 44	Negative, normal, <= 2,8 mmol/L	14 %
	(2) Reflectance (reader)	>>> 270	Negative, normal, <= 2,8 mmol/L	86 %
Total per sample: n = 314		Success: 100 %		
B	(1) Visual	> 4	11,1 - 28 mmol/L	1,3 %
		>>> 40	> 28 mmol/L	13 %
	(2) Reflectance (reader)	6	2,81 - 11 mmol/L	1,9 %
		> 131	11,1 - 28 mmol/L	42 %
		>>> 133	> 28 mmol/L	42 %
Total per sample: n = 314		Success: 98 %		
Total success: 98 %				

(263) Ketone bodies

A	(1) Visual	>>> 44	Negative, <= 0,5 mmol/L	14 %
	(2) Reflectance (reader)	>>> 270	Negative, <= 0,5 mmol/L	86 %
Total per sample: n = 314		Success: 100 %		
B	(1) Visual	> 24	1+, 2+	7,6 %
		>>> 20	3+, 4+	6,4 %
	(2) Reflectance (reader)	> 80	1+, 2+	25 %
		>>> 190	3+, 4+	61 %
Total per sample: n = 314		Success: 100 %		
Total success: 100 %				

(264) Total protein

A	(1) Visual	>>> 43	Negative, < 0,3 g/L	14 %
	(2) Reflectance (reader)	>>> 270	Negative, < 0,3 g/L	86 %
Total per sample: n = 313		Success: 100 %		
B	(1) Visual	> 8	0,51 - 2,5 g/L	2,6 %
		>>> 35	> 2,5 g/L	11 %
	(2) Reflectance (reader)	1	Not specified	0,32 %
		3	0,3 - 0,5 g/L	0,96 %
		> 33	0,51 - 2,5 g/L	11 %
		>>> 233	> 2,5 g/L	74 %
Total per sample: n = 313		Success: 99 %		
Total success: 99 %				

(266) Urobilinogen

A	(1) Visual	>>> 44	Negative, < 17 µmol/L	14 %
	(2) Reflectance (reader)	>>> 270	Negative, < 17 µmol/L	86 %
Total per sample: n = 314		Success: 100 %		
B	(1) Visual	> 8	1+, 2+	2,5 %
		>>> 36	3+, 4+	11 %
	(2) Reflectance (reader)	> 45	1+, 2+	14 %
		>>> 225	3+, 4+	72 %
Total per sample: n = 314		Success: 100 %		
Total success: 100 %				

(268) Bilirubin

A	(1) Visual	>>> 38	Negative	12 %
	(2) Reflectance (reader)	>>> 270	Negative	88 %
Total per sample: n = 308		Success: 100 %		
B	(1) Visual	> 1	1+, 2+	0,32 %
		>>> 37	3+, 4+	12 %
	(2) Reflectance (reader)	1	Not specified	0,32 %
		> 9	1+, 2+	2,9 %
		>>> 247	3+, 4+	80 %
	(2) Reflectance (reader); (223) Iris iChem Velocity	± 10	Negative	3,2 %
		± 3	1+, 2+	0,97 %
Total per sample: n = 308		Success (only evaluated results): 100 %		
Total success (only evaluated tests): 100 %				

(270) WBC

A	(1) Visual	>>> 10	Negative	3,8 %
	(2) Reflectance (reader)	>>> 255	Negative	96 %
Total per sample: n = 265		Success: 100 %		
B	(1) Visual	1	10 - 50 leu/µL	0,38 %
		> 1	51 - 250 leu/µL	0,38 %

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Test

Sample	Group	N	Result	N _{rel}
B	(1) Visual	>>> 8	> 250 leu/ μ L	3,0 %
	(2) Reflectance (reader)	3	Negative	1,1 %
		8	10 - 50 leu/ μ L	3,0 %
		> 73	51 - 250 leu/ μ L	28 %
		>>> 171	> 250 leu/ μ L	65 %
Total per sample: n = 265		Success: 95 %		
Total success: 95 %				

(272) Blood

A	(1) Visual	>>> 43	Negative	14 %
	(2) Reflectance (reader)	1	5 - 12 ery/ μ L	0,32 %
		1	Not specified	0,32 %
		>>> 268	Negative	85 %
		1	5 - 12 ery/ μ L	0,32 %
Total per sample: n = 314		Success: 99 %		
B	(1) Visual	> 5	13 - 50 ery/ μ L	1,6 %
	(2) Reflectance (reader)	>>> 39	> 50 ery/ μ L	12 %
		2	5 - 12 ery/ μ L	0,64 %
		> 36	13 - 50 ery/ μ L	11 %
		>>> 232	> 50 ery/ μ L	74 %
Total per sample: n = 314		Success: 99 %		
Total success: 98 %				

(273) pH

A	(1) Visual	>>> 40	5,0	13 %
	(2) Reflectance (reader)	> 4	5,5	1,3 %
		>>> 229	5,0	73 %
		> 32	5,5	10 %
		> 8	6,0	2,5 %
		1	6,5	0,32 %
Total per sample: n = 314		Success: 100 %		
B	(1) Visual	>>> 37	7,0	12 %
	(2) Reflectance (reader)	> 7	7,5	2,2 %
		> 1	6,0	0,32 %
		> 41	6,5	13 %
		>>> 104	7,0	33 %
		> 102	7,5	32 %
> 22	8,0	7,0 %		
Total per sample: n = 314		Success: 100 %		
Total success: 100 %				

(274) Nitrite

A	(1) Visual	>>> 11	Negative	4,1 %
	(2) Reflectance (reader)	>>> 257	Negative	96 %
Total per sample: n = 268		Success: 100 %		
B	(1) Visual	>>> 11	Positive	4,1 %
	(2) Reflectance (reader)	>>> 257	Positive	96 %
Total per sample: n = 268		Success: 100 %		
Total success: 100 %				

(275) hCG

A	(1) Visual	>>> 16	Negative	89 %
	(2) Reflectance (reader)	>>> 2	Negative	11 %
Total per sample: n = 18		Success: 100 %		
B	(1) Visual	>>> 16	Positive	89 %
	(2) Reflectance (reader)	1	Not specified	5,6 %
		>>> 1	Positive	5,6 %
Total per sample: n = 18		Success: 94 %		
Total success: 94 %				