

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: DGP3/21 - Urine Strip Tests Analysis

Deadline: 03.12.2021

| | | |
|------|---|---|
| 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 | >>> 32 | Negative, normal, <= 2,8 mmol/L | 10 % |
| | (2) Reflectance (reader) | >>> 283 | Negative, normal, <= 2,8 mmol/L | 90 % |
| Total per sample: n = 315 | | Success: 100 % | - | |
| B | (1) Visual | >>> 1 | 2,81 - 11 mmol/L | 0,32 % |
| | | >>> 4 | 11,1 - 28 mmol/L | 1,3 % |
| | | >>> 27 | > 28 mmol/L | 8,6 % |
| | (2) Reflectance (reader) | >>> 52 | 2,81 - 11 mmol/L | 17 % |
| | | >>> 103 | 11,1 - 28 mmol/L | 33 % |
| | | >>> 128 | > 28 mmol/L | 41 % |
| Total per sample: n = 315 | | Success: 100 % | - | |
| Total success: 100 % | | | | |
| (263) Ketone bodies | | | | |
| A | (1) Visual | >>> 32 | Negative, <= 0,5 mmol/L | 10 % |
| | (2) Reflectance (reader) | >>> 282 | Negative, <= 0,5 mmol/L | 90 % |
| | | 1 | 1+, 2+ | 0,32 % |
| Total per sample: n = 315 | | Success: 100 % | - | |
| B | (1) Visual | > 6 | 1+, 2+ | 1,9 % |
| | | >>> 26 | 3+, 4+ | 8,3 % |
| | (2) Reflectance (reader) | > 50 | 1+, 2+ | 16 % |
| | | >>> 233 | 3+, 4+ | 74 % |
| Total per sample: n = 315 | | Success: 100 % | - | |
| Total success: 100 % | | | | |
| (264) Total protein | | | | |
| A | (1) Visual | >>> 32 | Negative, < 0,3 g/L | 10 % |
| | (2) Reflectance (reader) | >>> 282 | Negative, < 0,3 g/L | 90 % |
| Total per sample: n = 314 | | Success: 100 % | - | |
| B | (1) Visual | > 7 | 0,51 - 2,5 g/L | 2,2 % |
| | | >>> 25 | > 2,5 g/L | 8,0 % |
| | (2) Reflectance (reader) | 2 | 0,3 - 0,5 g/L | 0,64 % |
| | | > 44 | 0,51 - 2,5 g/L | 14 % |
| | | >>> 236 | > 2,5 g/L | 75 % |
| Total per sample: n = 314 | | Success: 99 % | - | |
| Total success: 99 % | | | | |
| (266) Urobilinogen | | | | |
| A | (1) Visual | >>> 32 | Negative, < 17 µmol/L | 10 % |
| | (2) Reflectance (reader) | >>> 282 | Negative, < 17 µmol/L | 90 % |
| | | 1 | 3+, 4+ | 0,32 % |
| Total per sample: n = 315 | | Success: 100 % | - | |
| B | (1) Visual | > 3 | 1+, 2+ | 0,95 % |
| | | >>> 29 | 3+, 4+ | 9,2 % |
| | (2) Reflectance (reader) | 1 | Negative, < 17 µmol/L | 0,32 % |
| | | > 71 | 1+, 2+ | 23 % |
| | | >>> 211 | 3+, 4+ | 67 % |
| Total per sample: n = 315 | | Success: 100 % | - | |
| Total success: 99 % | | | | |
| (268) Bilirubin | | | | |
| A | (1) Visual | >>> 30 | Negative | 9,6 % |
| | (2) Reflectance (reader) | >>> 281 | Negative | 90 % |
| Total per sample: n = 311 | | Success: 100 % | - | |
| B | (1) Visual | > 1 | 1+, 2+ | 0,32 % |
| | | >>> 29 | 3+, 4+ | 9,3 % |
| | (2) Reflectance (reader) | 1 | Not specified | 0,32 % |
| | | 1 | Negative | 0,32 % |
| | | > 3 | 1+, 2+ | 0,96 % |
| | | >>> 254 | 3+, 4+ | 82 % |
| | (2) Reflectance (reader); (223) Iris iChem Velocity | ± 8 | Negative | 2,6 % |
| | | ± 12 | 1+, 2+ | 3,9 % |
| | | ± 2 | 3+, 4+ | 0,64 % |
| Total per sample: n = 311 | | Success (only evaluated results): 99 % | - | |
| Total success (only evaluated tests): 99 % | | | | |

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| Test | | | N | Result | N _{rel} |
|---------------------------|--------------------------|----------------|-----|-----------------------|------------------|
| Sample | Group | | | | |
| (270) WBC | | | | | |
| A | (1) Visual | >>> | 6 | Negative | 2,2 % |
| | (2) Reflectance (reader) | | 1 | Not specified | 0,36 % |
| | | >>> | 270 | Negative | 97 % |
| | | | 1 | 10 - 50 leu/ μ L | 0,36 % |
| Total per sample: n = 278 | | Success: 99 % | | | |
| B | (1) Visual | >>> | 2 | 51 - 250 leu/ μ L | 0,72 % |
| | | >>> | 4 | > 250 leu/ μ L | 1,4 % |
| | (2) Reflectance (reader) | | 1 | Negative | 0,36 % |
| | | > | 19 | 10 - 50 leu/ μ L | 6,8 % |
| | | >>> | 105 | 51 - 250 leu/ μ L | 38 % |
| | | >>> | 147 | > 250 leu/ μ L | 53 % |
| Total per sample: n = 278 | | Success: 100 % | | | |
| Total success: 99 % | | | | | |
| (272) Blood | | | | | |
| A | (1) Visual | >>> | 32 | Negative | 10 % |
| | (2) Reflectance (reader) | >>> | 283 | Negative | 90 % |
| Total per sample: n = 315 | | Success: 100 % | | | |
| B | (1) Visual | > | 2 | 13 - 50 ery/ μ L | 0,63 % |
| | | >>> | 30 | > 50 ery/ μ L | 9,5 % |
| | (2) Reflectance (reader) | | 1 | Negative | 0,32 % |
| | | | 1 | 5 - 12 ery/ μ L | 0,32 % |
| | | > | 16 | 13 - 50 ery/ μ L | 5,1 % |
| | | >>> | 265 | > 50 ery/ μ L | 84 % |
| Total per sample: n = 315 | | Success: 99 % | | | |
| Total success: 99 % | | | | | |
| (273) pH | | | | | |
| A | (1) Visual | >>> | 28 | 5,0 | 8,9 % |
| | | > | 2 | 5,5 | 0,63 % |
| | | > | 2 | 6,0 | 0,63 % |
| | (2) Reflectance (reader) | >>> | 205 | 5,0 | 65 % |
| | | > | 66 | 5,5 | 21 % |
| | | > | 8 | 6,0 | 2,5 % |
| | | | 4 | 6,5 | 1,3 % |
| Total per sample: n = 315 | | Success: 99 % | | | |
| B | (1) Visual | > | 1 | 6,0 | 0,32 % |
| | | > | 2 | 6,5 | 0,63 % |
| | | >>> | 27 | 7,0 | 8,6 % |
| | | > | 2 | 7,5 | 0,63 % |
| | (2) Reflectance (reader) | > | 15 | 6,0 | 4,8 % |
| | | > | 53 | 6,5 | 17 % |
| | | >>> | 172 | 7,0 | 55 % |
| | | > | 42 | 7,5 | 13 % |
| | | > | 1 | 8,0 | 0,32 % |
| Total per sample: n = 315 | | Success: 100 % | | | |
| Total success: 99 % | | | | | |
| (274) Nitrite | | | | | |
| A | (1) Visual | >>> | 7 | Negative | 2,5 % |
| | (2) Reflectance (reader) | >>> | 272 | Negative | 97 % |
| | | | 1 | Positive | 0,36 % |
| Total per sample: n = 280 | | Success: 100 % | | | |
| B | (1) Visual | >>> | 7 | Positive | 2,5 % |
| | (2) Reflectance (reader) | >>> | 273 | Positive | 98 % |
| Total per sample: n = 280 | | Success: 100 % | | | |
| Total success: 100 % | | | | | |
| (275) hCG | | | | | |
| A | (1) Visual | >>> | 9 | Negative | 69 % |
| | (2) Reflectance (reader) | >>> | 4 | Negative | 31 % |
| Total per sample: n = 13 | | Success: 100 % | | | |
| B | (1) Visual | >>> | 9 | Positive | 69 % |
| | (2) Reflectance (reader) | | 1 | Negative | 7,7 % |
| | | >>> | 3 | Positive | 23 % |
| Total per sample: n = 13 | | Success: 92 % | | | |
| Total success: 92 % | | | | | |