

Summary statistics - qualitative results

(Groups: manufacturer of kit)

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 _{rel} |
|---------------------------------------|----------------------------|----------------|---------------------------------|------------------|
| (261) Glucose | | | | |
| A | (5) Dialab | >>> 1 | Negative, normal, <= 2,8 mmol/L | 0,31 % |
| | (9) Bayer | >>> 1 | Negative, normal, <= 2,8 mmol/L | 0,31 % |
| | (12) Beckman Coulter | >>> 9 | Negative, normal, <= 2,8 mmol/L | 2,8 % |
| | (18) Cormay | >>> 1 | Negative, normal, <= 2,8 mmol/L | 0,31 % |
| | (46) Erba Lachema | >>> 49 | Negative, normal, <= 2,8 mmol/L | 15 % |
| | (49) BioVendor | >>> 4 | Negative, normal, <= 2,8 mmol/L | 1,2 % |
| | (60) Roche | >>> 35 | Negative, normal, <= 2,8 mmol/L | 11 % |
| | (63) Sysmex | >>> 8 | Negative, normal, <= 2,8 mmol/L | 2,5 % |
| | (109) Alere / Axis-Shield | >>> 2 | Negative, normal, <= 2,8 mmol/L | 0,62 % |
| | (125) DOT Diagnostics | >>> 1 | Negative, normal, <= 2,8 mmol/L | 0,31 % |
| | (150) Arkray | >>> 51 | Negative, normal, <= 2,8 mmol/L | 16 % |
| | (161) YD Diagnostics | >>> 4 | Negative, normal, <= 2,8 mmol/L | 1,2 % |
| | (179) Siemens | >>> 53 | Negative, normal, <= 2,8 mmol/L | 16 % |
| | (197) Analyticon | >>> 2 | Negative, normal, <= 2,8 mmol/L | 0,62 % |
| | (199) Eurolab Lambda | >>> 1 | Negative, normal, <= 2,8 mmol/L | 0,31 % |
| | (201) Iris Diagnostics | >>> 17 | Negative, normal, <= 2,8 mmol/L | 5,2 % |
| | (202) Dirui | >>> 58 | Negative, normal, <= 2,8 mmol/L | 18 % |
| | | 1 | 11,1 - 28 mmol/L | 0,31 % |
| | (207) 77 Elektronika Kft. | >>> 22 | Negative, normal, <= 2,8 mmol/L | 6,8 % |
| | (999) another manufacturer | >>> 5 | Negative, normal, <= 2,8 mmol/L | 1,5 % |
| ----- Total per sample: n = 325 ----- | | Success: 100 % | ----- | |
| B | (5) Dialab | >>> 1 | 11,1 - 28 mmol/L | 0,31 % |
| | (9) Bayer | >>> 1 | 11,1 - 28 mmol/L | 0,31 % |
| | (12) Beckman Coulter | > 2 | 2,81 - 11 mmol/L | 0,62 % |
| | | >>> 1 | 11,1 - 28 mmol/L | 0,31 % |
| | | >>> 6 | > 28 mmol/L | 1,8 % |
| | (18) Cormay | >>> 1 | 11,1 - 28 mmol/L | 0,31 % |
| | (46) Erba Lachema | >>> 16 | 11,1 - 28 mmol/L | 4,9 % |
| | | >>> 33 | > 28 mmol/L | 10 % |
| | (49) BioVendor | > 1 | 2,81 - 11 mmol/L | 0,31 % |
| | | >>> 3 | > 28 mmol/L | 0,92 % |
| | (60) Roche | >>> 35 | > 28 mmol/L | 11 % |
| | (63) Sysmex | >>> 5 | 11,1 - 28 mmol/L | 1,5 % |
| | | >>> 3 | > 28 mmol/L | 0,92 % |
| | (109) Alere / Axis-Shield | >>> 2 | 11,1 - 28 mmol/L | 0,62 % |
| | (125) DOT Diagnostics | >>> 1 | > 28 mmol/L | 0,31 % |
| | (150) Arkray | >>> 22 | 11,1 - 28 mmol/L | 6,8 % |
| | | >>> 29 | > 28 mmol/L | 8,9 % |
| | (161) YD Diagnostics | > 1 | 2,81 - 11 mmol/L | 0,31 % |
| | | >>> 1 | 11,1 - 28 mmol/L | 0,31 % |
| | | >>> 2 | > 28 mmol/L | 0,62 % |
| | (179) Siemens | > 4 | 2,81 - 11 mmol/L | 1,2 % |
| | | >>> 34 | 11,1 - 28 mmol/L | 10 % |
| | | >>> 15 | > 28 mmol/L | 4,6 % |
| | (197) Analyticon | >>> 2 | > 28 mmol/L | 0,62 % |
| | (199) Eurolab Lambda | >>> 1 | 11,1 - 28 mmol/L | 0,31 % |
| | (201) Iris Diagnostics | >>> 13 | 11,1 - 28 mmol/L | 4,0 % |
| | | >>> 4 | > 28 mmol/L | 1,2 % |
| | (202) Dirui | 2 | Negative, normal, <= 2,8 mmol/L | 0,62 % |
| | | > 4 | 2,81 - 11 mmol/L | 1,2 % |
| | | >>> 44 | 11,1 - 28 mmol/L | 14 % |
| | | >>> 9 | > 28 mmol/L | 2,8 % |
| | (207) 77 Elektronika Kft. | >>> 22 | > 28 mmol/L | 6,8 % |
| | (999) another manufacturer | >>> 2 | 11,1 - 28 mmol/L | 0,62 % |
| | | >>> 3 | > 28 mmol/L | 0,92 % |
| ----- Total per sample: n = 325 ----- | | Success: 99 % | ----- | |
| Total success: 99 % | | | | |

(263) Ketone bodies

| | | | | |
|---|----------------------|--------|-------------------------|--------|
| A | (5) Dialab | >>> 1 | Negative, <= 0,5 mmol/L | 0,31 % |
| | (9) Bayer | >>> 1 | Negative, <= 0,5 mmol/L | 0,31 % |
| | (12) Beckman Coulter | >>> 9 | Negative, <= 0,5 mmol/L | 2,8 % |
| | (18) Cormay | >>> 1 | Negative, <= 0,5 mmol/L | 0,31 % |
| | (46) Erba Lachema | >>> 50 | Negative, <= 0,5 mmol/L | 15 % |
| | (49) BioVendor | >>> 4 | Negative, <= 0,5 mmol/L | 1,2 % |
| | (60) Roche | >>> 34 | Negative, <= 0,5 mmol/L | 10 % |

| Test | Sample | Group | N | Result | N _{rel} | |
|---------------------------|---------------------------|----------------------|----------------|---------------------------|------------------|--------|
| A | (63) | Sysmex | >>> 8 | Negative, <= 0,5 mmol/L | 2,5 % | |
| | (109) | Alere / Axis-Shield | >>> 2 | Negative, <= 0,5 mmol/L | 0,62 % | |
| | (125) | DOT Diagnostics | >>> 1 | Negative, <= 0,5 mmol/L | 0,31 % | |
| | (150) | Arkray | >>> 51 | Negative, <= 0,5 mmol/L | 16 % | |
| | (161) | YD Diagnostics | >>> 4 | Negative, <= 0,5 mmol/L | 1,2 % | |
| | (179) | Siemens | >>> 52 | Negative, <= 0,5 mmol/L | 16 % | |
| | (197) | Analyticon | >>> 2 | Negative, <= 0,5 mmol/L | 0,62 % | |
| | (199) | Eurolab Lambda | >>> 1 | Negative, <= 0,5 mmol/L | 0,31 % | |
| | (201) | Iris Diagnostics | >>> 17 | Negative, <= 0,5 mmol/L | 5,2 % | |
| | (202) | Dirui | >>> 58 | Negative, <= 0,5 mmol/L | 18 % | |
| | | | | 1 | 3+, 4+ | 0,31 % |
| | (207) | 77 Elektronika Kft. | >>> 23 | Negative, <= 0,5 mmol/L | 7,1 % | |
| | (999) | another manufacturer | >>> 5 | Negative, <= 0,5 mmol/L | 1,5 % | |
| | Total per sample: n = 325 | | Success: 100 % | | | |
| | B | (5) | Dialab | >>> 1 | 3+, 4+ | 0,31 % |
| (9) | | Bayer | >>> 1 | 3+, 4+ | 0,31 % | |
| (12) | | Beckman Coulter | >>> 9 | 3+, 4+ | 2,8 % | |
| (18) | | Cormay | >>> 1 | 3+, 4+ | 0,31 % | |
| (46) | | Erba Lachema | > 21 | 1+, 2+ | 6,5 % | |
| | | | >>> 29 | 3+, 4+ | 8,9 % | |
| (49) | | BioVendor | > 4 | 1+, 2+ | 1,2 % | |
| (60) | | Roche | >>> 34 | 3+, 4+ | 10 % | |
| (63) | | Sysmex | > 8 | 1+, 2+ | 2,5 % | |
| (109) | | Alere / Axis-Shield | > 1 | 1+, 2+ | 0,31 % | |
| | | | >>> 1 | 3+, 4+ | 0,31 % | |
| (125) | | DOT Diagnostics | >>> 1 | 3+, 4+ | 0,31 % | |
| (150) | | Arkray | >>> 51 | 3+, 4+ | 16 % | |
| (161) | | YD Diagnostics | > 2 | 1+, 2+ | 0,62 % | |
| | | | >>> 2 | 3+, 4+ | 0,62 % | |
| (179) | | Siemens | > 27 | 1+, 2+ | 8,3 % | |
| | | | >>> 25 | 3+, 4+ | 7,7 % | |
| (197) | | Analyticon | > 2 | 1+, 2+ | 0,62 % | |
| (199) | | Eurolab Lambda | >>> 1 | 3+, 4+ | 0,31 % | |
| (201) | | Iris Diagnostics | > 2 | 1+, 2+ | 0,62 % | |
| | | | >>> 15 | 3+, 4+ | 4,6 % | |
| (202) | | Dirui | | 1 Negative, <= 0,5 mmol/L | 0,31 % | |
| | | | > 16 | 1+, 2+ | 4,9 % | |
| | | | >>> 42 | 3+, 4+ | 13 % | |
| (207) | | 77 Elektronika Kft. | > 12 | 1+, 2+ | 3,7 % | |
| | | | >>> 11 | 3+, 4+ | 3,4 % | |
| (999) | | another manufacturer | > 2 | 1+, 2+ | 0,62 % | |
| | | >>> 3 | 3+, 4+ | 0,92 % | | |
| Total per sample: n = 325 | | Success: 100 % | | | | |
| Total success: 100 % | | | | | | |

(264) Total protein

| | | | | | | |
|---|---------------------------|----------------------|----------------|---------------------|-----------|--------|
| A | (5) | Dialab | >>> 1 | Negative, < 0,3 g/L | 0,31 % | |
| | (9) | Bayer | >>> 1 | Negative, < 0,3 g/L | 0,31 % | |
| | (12) | Beckman Coulter | >>> 9 | Negative, < 0,3 g/L | 2,8 % | |
| | (18) | Cormay | >>> 1 | Negative, < 0,3 g/L | 0,31 % | |
| | (46) | Erba Lachema | >>> 49 | Negative, < 0,3 g/L | 15 % | |
| | (49) | BioVendor | >>> 4 | Negative, < 0,3 g/L | 1,2 % | |
| | (60) | Roche | >>> 34 | Negative, < 0,3 g/L | 10 % | |
| | (63) | Sysmex | >>> 8 | Negative, < 0,3 g/L | 2,5 % | |
| | (109) | Alere / Axis-Shield | >>> 2 | Negative, < 0,3 g/L | 0,62 % | |
| | (125) | DOT Diagnostics | >>> 1 | Negative, < 0,3 g/L | 0,31 % | |
| | (150) | Arkray | >>> 51 | Negative, < 0,3 g/L | 16 % | |
| | (161) | YD Diagnostics | >>> 4 | Negative, < 0,3 g/L | 1,2 % | |
| | (179) | Siemens | >>> 52 | Negative, < 0,3 g/L | 16 % | |
| | (197) | Analyticon | >>> 2 | Negative, < 0,3 g/L | 0,62 % | |
| | (199) | Eurolab Lambda | >>> 1 | Negative, < 0,3 g/L | 0,31 % | |
| | (201) | Iris Diagnostics | >>> 17 | Negative, < 0,3 g/L | 5,2 % | |
| | (202) | Dirui | >>> 58 | Negative, < 0,3 g/L | 18 % | |
| | | | | 1 | > 2,5 g/L | 0,31 % |
| | (207) | 77 Elektronika Kft. | >>> 23 | Negative, < 0,3 g/L | 7,1 % | |
| | (999) | another manufacturer | >>> 5 | Negative, < 0,3 g/L | 1,5 % | |
| | Total per sample: n = 324 | | Success: 100 % | | | |
| B | (5) | Dialab | >>> 1 | > 2,5 g/L | 0,31 % | |
| | (9) | Bayer | >>> 1 | > 2,5 g/L | 0,31 % | |
| | (12) | Beckman Coulter | > 5 | 0,51 - 2,5 g/L | 1,5 % | |

EQA round: DGP3/20 - Urine Strip Tests Analysis

Deadline: 04.12.2020

| Test | | | N | Result | N _{rel} |
|---------------------------|----------------------------|---------------|----|---------------------|------------------|
| Sample | Group | | | | |
| B | (12) Beckman Coulter | >>> | 4 | > 2,5 g/L | 1,2 % |
| | (18) Cormay | >>> | 1 | > 2,5 g/L | 0,31 % |
| | (46) Erba Lachema | > | 12 | 0,51 - 2,5 g/L | 3,7 % |
| | | >>> | 37 | > 2,5 g/L | 11 % |
| | (49) BioVendor | | 1 | 0,3 - 0,5 g/L | 0,31 % |
| | | > | 3 | 0,51 - 2,5 g/L | 0,93 % |
| | (60) Roche | >>> | 34 | > 2,5 g/L | 10 % |
| | (63) Sysmex | > | 1 | 0,51 - 2,5 g/L | 0,31 % |
| | | >>> | 7 | > 2,5 g/L | 2,2 % |
| | (109) Alere / Axis-Shield | >>> | 2 | > 2,5 g/L | 0,62 % |
| | (125) DOT Diagnostics | > | 1 | 0,51 - 2,5 g/L | 0,31 % |
| | (150) Arkray | > | 3 | 0,51 - 2,5 g/L | 0,93 % |
| | | >>> | 48 | > 2,5 g/L | 15 % |
| | (161) YD Diagnostics | >>> | 4 | > 2,5 g/L | 1,2 % |
| | (179) Siemens | > | 7 | 0,51 - 2,5 g/L | 2,2 % |
| | | >>> | 45 | > 2,5 g/L | 14 % |
| | (197) Analyticon | >>> | 2 | > 2,5 g/L | 0,62 % |
| | (199) Eurolab Lambda | > | 1 | 0,51 - 2,5 g/L | 0,31 % |
| | (201) Iris Diagnostics | > | 9 | 0,51 - 2,5 g/L | 2,8 % |
| | | >>> | 8 | > 2,5 g/L | 2,5 % |
| | (202) Dirui | | 1 | Negative, < 0,3 g/L | 0,31 % |
| | | > | 7 | 0,51 - 2,5 g/L | 2,2 % |
| | | >>> | 51 | > 2,5 g/L | 16 % |
| | (207) 77 Elektronika Kft. | | 3 | Negative, < 0,3 g/L | 0,93 % |
| | | | 7 | 0,3 - 0,5 g/L | 2,2 % |
| | | > | 9 | 0,51 - 2,5 g/L | 2,8 % |
| | | >>> | 4 | > 2,5 g/L | 1,2 % |
| | (999) another manufacturer | > | 1 | 0,51 - 2,5 g/L | 0,31 % |
| | | >>> | 4 | > 2,5 g/L | 1,2 % |
| Total per sample: n = 324 | | Success: 96 % | | | |
| Total success: 96 % | | | | | |

(266) Urobilinogen

| | | | | | |
|---------------------------|----------------------------|----------------|----|-----------------------|--------|
| A | (5) Dialab | >>> | 1 | Negative, < 17 µmol/L | 0,31 % |
| | (9) Bayer | >>> | 1 | Negative, < 17 µmol/L | 0,31 % |
| | (12) Beckman Coulter | >>> | 9 | Negative, < 17 µmol/L | 2,8 % |
| | (18) Cormay | >>> | 1 | Negative, < 17 µmol/L | 0,31 % |
| | (46) Erba Lachema | >>> | 49 | Negative, < 17 µmol/L | 15 % |
| | (49) BioVendor | >>> | 4 | Negative, < 17 µmol/L | 1,2 % |
| | (60) Roche | >>> | 34 | Negative, < 17 µmol/L | 10 % |
| | (63) Sysmex | >>> | 8 | Negative, < 17 µmol/L | 2,5 % |
| | (109) Alere / Axis-Shield | >>> | 2 | Negative, < 17 µmol/L | 0,62 % |
| | (125) DOT Diagnostics | >>> | 1 | Negative, < 17 µmol/L | 0,31 % |
| | (150) Arkray | >>> | 51 | Negative, < 17 µmol/L | 16 % |
| | (161) YD Diagnostics | >>> | 4 | Negative, < 17 µmol/L | 1,2 % |
| | (179) Siemens | >>> | 52 | Negative, < 17 µmol/L | 16 % |
| | (197) Analyticon | >>> | 2 | Negative, < 17 µmol/L | 0,62 % |
| | (199) Eurolab Lambda | >>> | 1 | Negative, < 17 µmol/L | 0,31 % |
| | (201) Iris Diagnostics | >>> | 17 | Negative, < 17 µmol/L | 5,2 % |
| | (202) Dirui | >>> | 58 | Negative, < 17 µmol/L | 18 % |
| | | | 1 | 1+, 2+ | 0,31 % |
| | (207) 77 Elektronika Kft. | >>> | 23 | Negative, < 17 µmol/L | 7,1 % |
| | (999) another manufacturer | >>> | 5 | Negative, < 17 µmol/L | 1,5 % |
| Total per sample: n = 324 | | Success: 100 % | | | |
| B | (5) Dialab | >>> | 1 | 3+, 4+ | 0,31 % |
| | (9) Bayer | >>> | 1 | 3+, 4+ | 0,31 % |
| | (12) Beckman Coulter | > | 6 | 1+, 2+ | 1,9 % |
| | | >>> | 3 | 3+, 4+ | 0,93 % |
| | (18) Cormay | >>> | 1 | 3+, 4+ | 0,31 % |
| | (46) Erba Lachema | > | 12 | 1+, 2+ | 3,7 % |
| | | >>> | 37 | 3+, 4+ | 11 % |
| | (49) BioVendor | >>> | 4 | 3+, 4+ | 1,2 % |
| | (60) Roche | >>> | 34 | 3+, 4+ | 10 % |
| | (63) Sysmex | > | 6 | 1+, 2+ | 1,9 % |
| | | >>> | 2 | 3+, 4+ | 0,62 % |
| | (109) Alere / Axis-Shield | >>> | 2 | 3+, 4+ | 0,62 % |
| | (125) DOT Diagnostics | >>> | 1 | 3+, 4+ | 0,31 % |
| | (150) Arkray | >>> | 51 | 3+, 4+ | 16 % |
| | (161) YD Diagnostics | >>> | 4 | 3+, 4+ | 1,2 % |
| | (179) Siemens | | 1 | Negative, < 17 µmol/L | 0,31 % |

EQA round: DGP3/20 - Urine Strip Tests Analysis

Deadline: 04.12.2020

| Test | Sample | Group | N | Result | N _{rel} | | |
|------|--------|----------------------------|-----|---------------|-----------------------|--------|--|
| B | | (179) Siemens | > | 16 | 1+, 2+ | 4,9 % | |
| | | >>> | 35 | 3+, 4+ | 11 % | | |
| | | (197) Analyticon | >>> | 2 | 3+, 4+ | 0,62 % | |
| | | (199) Eurolab Lambda | >>> | 1 | 3+, 4+ | 0,31 % | |
| | | (201) Iris Diagnostics | > | 13 | 1+, 2+ | 4,0 % | |
| | | >>> | 4 | 3+, 4+ | 1,2 % | | |
| | | (202) Dirui | | 1 | Negative, < 17 µmol/L | 0,31 % | |
| | | > | 13 | 1+, 2+ | 4,0 % | | |
| | | >>> | 45 | 3+, 4+ | 14 % | | |
| | | (207) 77 Elektronika Kft. | > | 1 | 1+, 2+ | 0,31 % | |
| | | >>> | 22 | 3+, 4+ | 6,8 % | | |
| | | (999) another manufacturer | >>> | 5 | 3+, 4+ | 1,5 % | |
| | | Total per sample: n = 324 | | Success: 99 % | | | |
| | | Total success: 99 % | | | | | |

(268) Bilirubin

| | | | | | | |
|---------------------------|----------------------------|----------------|---------------|----------|--------|--------|
| A | (5) Dialab | >>> | 1 | Negative | 0,31 % | |
| | (9) Bayer | >>> | 1 | Negative | 0,31 % | |
| | (12) Beckman Coulter | >>> | 9 | Negative | 2,8 % | |
| | (18) Cormay | >>> | 1 | Negative | 0,31 % | |
| | (46) Erba Lachema | >>> | 43 | Negative | 14 % | |
| | (49) BioVendor | >>> | 4 | Negative | 1,3 % | |
| | (60) Roche | >>> | 35 | Negative | 11 % | |
| | (63) Sysmex | >>> | 7 | Negative | 2,2 % | |
| | (109) Alere / Axis-Shield | >>> | 2 | Negative | 0,63 % | |
| | (125) DOT Diagnostics | >>> | 1 | Negative | 0,31 % | |
| | (150) Arkray | >>> | 51 | Negative | 16 % | |
| | (161) YD Diagnostics | >>> | 4 | Negative | 1,3 % | |
| | (179) Siemens | >>> | 52 | Negative | 16 % | |
| | (197) Analyticon | >>> | 2 | Negative | 0,63 % | |
| | (199) Eurolab Lambda | >>> | 1 | Negative | 0,31 % | |
| | (201) Iris Diagnostics | >>> | 17 | Negative | 5,3 % | |
| | (202) Dirui | >>> | 58 | Negative | 18 % | |
| | | | | 1 | 3+, 4+ | 0,31 % |
| | (207) 77 Elektronika Kft. | >>> | 23 | Negative | 7,2 % | |
| | (999) another manufacturer | >>> | 5 | Negative | 1,6 % | |
| Total per sample: n = 318 | | Success: 100 % | | | | |
| B | (5) Dialab | >>> | 1 | 3+, 4+ | 0,31 % | |
| | (9) Bayer | >>> | 1 | 3+, 4+ | 0,31 % | |
| | (12) Beckman Coulter | > | 8 | 1+, 2+ | 2,5 % | |
| | >>> | 1 | 3+, 4+ | 0,31 % | | |
| | (18) Cormay | >>> | 1 | 3+, 4+ | 0,31 % | |
| | (46) Erba Lachema | >>> | 43 | 3+, 4+ | 14 % | |
| | (49) BioVendor | >>> | 4 | 3+, 4+ | 1,3 % | |
| | (60) Roche | >>> | 35 | 3+, 4+ | 11 % | |
| | (63) Sysmex | >>> | 7 | 3+, 4+ | 2,2 % | |
| | (109) Alere / Axis-Shield | >>> | 2 | 3+, 4+ | 0,63 % | |
| | (125) DOT Diagnostics | >>> | 1 | 3+, 4+ | 0,31 % | |
| | (150) Arkray | >>> | 51 | 3+, 4+ | 16 % | |
| | (161) YD Diagnostics | > | 1 | 1+, 2+ | 0,31 % | |
| | >>> | 3 | 3+, 4+ | 0,94 % | | |
| | (179) Siemens | >>> | 52 | 3+, 4+ | 16 % | |
| | (197) Analyticon | >>> | 2 | 3+, 4+ | 0,63 % | |
| | (199) Eurolab Lambda | >>> | 1 | 3+, 4+ | 0,31 % | |
| | (201) Iris Diagnostics | | 2 | Negative | 0,63 % | |
| | > | 15 | 1+, 2+ | 4,7 % | | |
| | (202) Dirui | | 1 | Negative | 0,31 % | |
| | > | 2 | 1+, 2+ | 0,63 % | | |
| | >>> | 56 | 3+, 4+ | 18 % | | |
| | (207) 77 Elektronika Kft. | | 1 | Negative | 0,31 % | |
| | > | 3 | 1+, 2+ | 0,94 % | | |
| | >>> | 19 | 3+, 4+ | 6,0 % | | |
| | (999) another manufacturer | >>> | 5 | 3+, 4+ | 1,6 % | |
| | Total per sample: n = 318 | | Success: 99 % | | | |
| Total success: 99 % | | | | | | |

(270) WBC

| | | | | | |
|---|----------------------|-----|---|----------|--------|
| A | (5) Dialab | >>> | 1 | Negative | 0,36 % |
| | (9) Bayer | >>> | 1 | Negative | 0,36 % |
| | (12) Beckman Coulter | >>> | 8 | Negative | 2,9 % |
| | (18) Cormay | >>> | 1 | Negative | 0,36 % |

Summary statistics - qualitative results

(Groups: manufacturer of kit)

EQA round: DGP3/20 - Urine Strip Tests Analysis

Deadline: 04.12.2020

| Test | | | N | Result | N _{rel} | |
|----------------------------|---------------------------|---------------|----------------|-----------------|------------------|--------|
| Sample | Group | | | | | |
| A | (46) Erba Lachema | >>> | 13 | Negative | 4,6 % | |
| | (49) BioVendor | >>> | 4 | Negative | 1,4 % | |
| | (60) Roche | >>> | 35 | Negative | 13 % | |
| | (63) Sysmex | >>> | 8 | Negative | 2,9 % | |
| | (109) Alere / Axis-Shield | >>> | 2 | Negative | 0,71 % | |
| | (125) DOT Diagnostics | >>> | 1 | Negative | 0,36 % | |
| | (150) Arkray | >>> | 51 | Negative | 18 % | |
| | (161) YD Diagnostics | >>> | 2 | Negative | 0,71 % | |
| | (179) Siemens | >>> | 51 | Negative | 18 % | |
| | (197) Analyticon | >>> | 2 | Negative | 0,71 % | |
| | (199) Eurolab Lambda | >>> | 1 | Negative | 0,36 % | |
| | (201) Iris Diagnostics | >>> | 15 | Negative | 5,4 % | |
| | (202) Dirui | >>> | 55 | Negative | 20 % | |
| | | | | 1 | 51 - 250 leu/μL | 0,36 % |
| | (207) 77 Elektronika Kft. | >>> | 23 | Negative | 8,2 % | |
| (999) another manufacturer | >>> | 4 | Negative | 1,4 % | | |
| | | | 1 | 10 - 50 leu/μL | 0,36 % | |
| Total per sample: n = 280 | | Success: 99 % | | | | |
| B | (5) Dialab | >>> | 1 | > 250 leu/μL | 0,36 % | |
| | (9) Bayer | >>> | 1 | 51 - 250 leu/μL | 0,36 % | |
| | (12) Beckman Coulter | >>> | 8 | 51 - 250 leu/μL | 2,9 % | |
| | (18) Cormay | >>> | 1 | 51 - 250 leu/μL | 0,36 % | |
| | (46) Erba Lachema | >>> | 2 | 51 - 250 leu/μL | 0,71 % | |
| | | | >>> | 11 | > 250 leu/μL | 3,9 % |
| | (49) BioVendor | > | 1 | 10 - 50 leu/μL | 0,36 % | |
| | | | >>> | 1 | 51 - 250 leu/μL | 0,36 % |
| | | | >>> | 2 | > 250 leu/μL | 0,71 % |
| | (60) Roche | > | 2 | 10 - 50 leu/μL | 0,71 % | |
| | | | >>> | 10 | 51 - 250 leu/μL | 3,6 % |
| | | | >>> | 23 | > 250 leu/μL | 8,2 % |
| | (63) Sysmex | > | 5 | 10 - 50 leu/μL | 1,8 % | |
| | | | >>> | 3 | 51 - 250 leu/μL | 1,1 % |
| | (109) Alere / Axis-Shield | >>> | 2 | > 250 leu/μL | 0,71 % | |
| | (125) DOT Diagnostics | >>> | 1 | 51 - 250 leu/μL | 0,36 % | |
| | (150) Arkray | >>> | 7 | 51 - 250 leu/μL | 2,5 % | |
| | | | >>> | 44 | > 250 leu/μL | 16 % |
| | (161) YD Diagnostics | > | 1 | 10 - 50 leu/μL | 0,36 % | |
| | | | >>> | 1 | 51 - 250 leu/μL | 0,36 % |
| | (179) Siemens | > | 1 | 10 - 50 leu/μL | 0,36 % | |
| | | | >>> | 25 | 51 - 250 leu/μL | 8,9 % |
| | | | >>> | 25 | > 250 leu/μL | 8,9 % |
| | (197) Analyticon | > | 1 | 10 - 50 leu/μL | 0,36 % | |
| | | | >>> | 1 | 51 - 250 leu/μL | 0,36 % |
| | (199) Eurolab Lambda | >>> | 1 | > 250 leu/μL | 0,36 % | |
| | (201) Iris Diagnostics | > | 6 | 10 - 50 leu/μL | 2,1 % | |
| | | | >>> | 9 | 51 - 250 leu/μL | 3,2 % |
| | (202) Dirui | | | 1 | Negative | 0,36 % |
| | | | > | 4 | 10 - 50 leu/μL | 1,4 % |
| | | | >>> | 26 | 51 - 250 leu/μL | 9,3 % |
| | | | >>> | 25 | > 250 leu/μL | 8,9 % |
| | (207) 77 Elektronika Kft. | | | 1 | Negative | 0,36 % |
| | | > | 2 | 10 - 50 leu/μL | 0,71 % | |
| | | >>> | 12 | 51 - 250 leu/μL | 4,3 % | |
| | | >>> | 8 | > 250 leu/μL | 2,9 % | |
| (999) another manufacturer | > | 1 | 10 - 50 leu/μL | 0,36 % | | |
| | | >>> | 3 | 51 - 250 leu/μL | 1,1 % | |
| | | >>> | 1 | > 250 leu/μL | 0,36 % | |
| Total per sample: n = 280 | | Success: 99 % | | | | |
| Total success: 99 % | | | | | | |

(272) Blood

| | | | | | | |
|---|---------------------------|-----|----|----------|---------------|--------|
| A | (5) Dialab | >>> | 1 | Negative | 0,31 % | |
| | (9) Bayer | >>> | 1 | Negative | 0,31 % | |
| | (12) Beckman Coulter | >>> | 8 | Negative | 2,5 % | |
| | | | | 1 | 5 - 12 ery/μL | 0,31 % |
| | (18) Cormay | >>> | 1 | Negative | 0,31 % | |
| | (46) Erba Lachema | >>> | 50 | Negative | 15 % | |
| | (49) BioVendor | >>> | 4 | Negative | 1,2 % | |
| | (60) Roche | >>> | 34 | Negative | 10 % | |
| | (63) Sysmex | >>> | 8 | Negative | 2,5 % | |
| | (109) Alere / Axis-Shield | >>> | 1 | Negative | 0,31 % | |

Summary statistics - qualitative results

(Groups: manufacturer of kit)

EQA round: DGP3/20 - Urine Strip Tests Analysis

Deadline: 04.12.2020

Test

| Sample | Group | N | Result | N _{rel} |
|---------------------------------------|----------------------------|---------------|------------------------|------------------|
| A | (109) Alere / Axis-Shield | 1 | 5 - 12 ery/ μ L | 0,31 % |
| | (125) DOT Diagnostics | >>> | 1 Negative | 0,31 % |
| | (150) Arkray | >>> | 50 Negative | 15 % |
| | | | 1 5 - 12 ery/ μ L | 0,31 % |
| | (161) YD Diagnostics | | 1 Not specified | 0,31 % |
| | | >>> | 3 Negative | 0,92 % |
| | (179) Siemens | >>> | 52 Negative | 16 % |
| | (197) Analyticon | >>> | 2 Negative | 0,62 % |
| | (199) Eurolab Lambda | >>> | 1 Negative | 0,31 % |
| | (201) Iris Diagnostics | >>> | 15 Negative | 4,6 % |
| | | | 2 5 - 12 ery/ μ L | 0,62 % |
| | (202) Dirui | >>> | 58 Negative | 18 % |
| | | | 1 > 50 ery/ μ L | 0,31 % |
| | (207) 77 Elektronika Kft. | >>> | 23 Negative | 7,1 % |
| | (999) another manufacturer | >>> | 5 Negative | 1,5 % |
| ----- Total per sample: n = 325 ----- | | Success: 98 % | ----- | |
| B | (5) Dialab | >>> | 1 > 50 ery/ μ L | 0,31 % |
| | (9) Bayer | >>> | 1 > 50 ery/ μ L | 0,31 % |
| | (12) Beckman Coulter | >>> | 9 > 50 ery/ μ L | 2,8 % |
| | (18) Cormay | >>> | 1 > 50 ery/ μ L | 0,31 % |
| | (46) Erba Lachema | > | 1 13 - 50 ery/ μ L | 0,31 % |
| | | >>> | 49 > 50 ery/ μ L | 15 % |
| | (49) BioVendor | >>> | 4 > 50 ery/ μ L | 1,2 % |
| | (60) Roche | >>> | 34 > 50 ery/ μ L | 10 % |
| | (63) Sysmex | >>> | 8 > 50 ery/ μ L | 2,5 % |
| | (109) Alere / Axis-Shield | >>> | 2 > 50 ery/ μ L | 0,62 % |
| | (125) DOT Diagnostics | >>> | 1 > 50 ery/ μ L | 0,31 % |
| | (150) Arkray | > | 7 13 - 50 ery/ μ L | 2,2 % |
| | | >>> | 44 > 50 ery/ μ L | 14 % |
| | (161) YD Diagnostics | >>> | 4 > 50 ery/ μ L | 1,2 % |
| | (179) Siemens | | 1 5 - 12 ery/ μ L | 0,31 % |
| | | > | 7 13 - 50 ery/ μ L | 2,2 % |
| | | >>> | 44 > 50 ery/ μ L | 14 % |
| | (197) Analyticon | >>> | 2 > 50 ery/ μ L | 0,62 % |
| | (199) Eurolab Lambda | > | 1 13 - 50 ery/ μ L | 0,31 % |
| | (201) Iris Diagnostics | > | 1 13 - 50 ery/ μ L | 0,31 % |
| | | >>> | 16 > 50 ery/ μ L | 4,9 % |
| | (202) Dirui | | 1 Negative | 0,31 % |
| | | > | 7 13 - 50 ery/ μ L | 2,2 % |
| | | >>> | 51 > 50 ery/ μ L | 16 % |
| | (207) 77 Elektronika Kft. | > | 1 13 - 50 ery/ μ L | 0,31 % |
| | | >>> | 22 > 50 ery/ μ L | 6,8 % |
| | (999) another manufacturer | >>> | 5 > 50 ery/ μ L | 1,5 % |
| ----- Total per sample: n = 325 ----- | | Success: 99 % | ----- | |
| Total success: 98 % | | | | |

(273) pH

| | | | | |
|---|---------------------------|-----|--------|--------|
| A | (5) Dialab | > | 1 6,0 | 0,31 % |
| | (9) Bayer | >>> | 1 5,0 | 0,31 % |
| | (12) Beckman Coulter | >>> | 9 5,0 | 2,8 % |
| | (18) Cormay | >>> | 1 5,0 | 0,31 % |
| | (46) Erba Lachema | >>> | 45 5,0 | 14 % |
| | | > | 3 6,0 | 0,93 % |
| | | | 1 6,5 | 0,31 % |
| | | | 1 7,0 | 0,31 % |
| | (49) BioVendor | >>> | 3 5,0 | 0,93 % |
| | | > | 1 5,5 | 0,31 % |
| | (60) Roche | >>> | 33 5,0 | 10 % |
| | | | 1 7,0 | 0,31 % |
| | (63) Sysmex | >>> | 8 5,0 | 2,5 % |
| | (109) Alere / Axis-Shield | > | 2 6,0 | 0,62 % |
| | (125) DOT Diagnostics | >>> | 1 5,0 | 0,31 % |
| | (150) Arkray | >>> | 47 5,0 | 15 % |
| | | > | 3 5,5 | 0,93 % |
| | (161) YD Diagnostics | >>> | 4 5,0 | 1,2 % |
| | (179) Siemens | >>> | 29 5,0 | 9,0 % |
| | | > | 19 5,5 | 5,9 % |
| | | > | 3 6,0 | 0,93 % |
| | (197) Analyticon | >>> | 2 5,0 | 0,62 % |
| | (199) Eurolab Lambda | >>> | 1 5,0 | 0,31 % |
| | (201) Iris Diagnostics | >>> | 16 5,0 | 5,0 % |

EQA round: DGP3/20 - Urine Strip Tests Analysis

Deadline: 04.12.2020

| Test | | | N | Result | N _{rel} | |
|----------------------------|----------------------------|---------------|---------------|--------|------------------|--------|
| Sample | Group | | | | | |
| A | (201) Iris Diagnostics | > | 1 | 6,0 | 0,31 % | |
| | (202) Dirui | >>> | 51 | 5,0 | 16 % | |
| | | > | 5 | 5,5 | 1,5 % | |
| | | > | 2 | 6,0 | 0,62 % | |
| | | > | 1 | 7,0 | 0,31 % | |
| | (207) 77 Elektronika Kft. | >>> | 23 | 5,0 | 7,1 % | |
| | (999) another manufacturer | >>> | 1 | 5,0 | 0,31 % | |
| | | > | 4 | 6,0 | 1,2 % | |
| | Total per sample: n = 323 | | Success: 99 % | | | |
| | B | (5) Dialab | >>> | 1 | 7,0 | 0,31 % |
| (9) Bayer | | >>> | 1 | 7,0 | 0,31 % | |
| (12) Beckman Coulter | | > | 9 | 6,5 | 2,8 % | |
| (18) Cormay | | >>> | 1 | 7,0 | 0,31 % | |
| (46) Erba Lachema | | | 1 | 5,0 | 0,31 % | |
| | | > | 2 | 6,5 | 0,62 % | |
| | | >>> | 43 | 7,0 | 13 % | |
| | | > | 2 | 7,5 | 0,62 % | |
| | | > | 2 | 8,0 | 0,62 % | |
| (49) BioVendor | | > | 4 | 6,5 | 1,2 % | |
| (60) Roche | | >>> | 30 | 7,0 | 9,3 % | |
| | | > | 4 | 7,5 | 1,2 % | |
| (63) Sysmex | | >>> | 1 | 7,0 | 0,31 % | |
| | | > | 7 | 7,5 | 2,2 % | |
| (109) Alere / Axis-Shield | | >>> | 2 | 7,0 | 0,62 % | |
| (125) DOT Diagnostics | | > | 1 | 6,5 | 0,31 % | |
| (150) Arkray | | >>> | 3 | 7,0 | 0,93 % | |
| | | > | 47 | 7,5 | 15 % | |
| (161) YD Diagnostics | | > | 4 | 6,5 | 1,2 % | |
| (179) Siemens | | > | 1 | 6,5 | 0,31 % | |
| | | >>> | 34 | 7,0 | 11 % | |
| | | > | 16 | 7,5 | 5,0 % | |
| (197) Analyticon | | > | 1 | 6,0 | 0,31 % | |
| | | > | 1 | 6,5 | 0,31 % | |
| (199) Eurolab Lambda | | > | 1 | 7,5 | 0,31 % | |
| (201) Iris Diagnostics | | > | 10 | 6,5 | 3,1 % | |
| | | >>> | 7 | 7,0 | 2,2 % | |
| (202) Dirui | | | 1 | 5,0 | 0,31 % | |
| | | > | 7 | 6,0 | 2,2 % | |
| | | > | 2 | 6,5 | 0,62 % | |
| | | >>> | 46 | 7,0 | 14 % | |
| | | > | 3 | 7,5 | 0,93 % | |
| (207) 77 Elektronika Kft. | | > | 4 | 6,0 | 1,2 % | |
| | > | 17 | 6,5 | 5,3 % | | |
| | >>> | 1 | 7,0 | 0,31 % | | |
| | > | 1 | 7,5 | 0,31 % | | |
| (999) another manufacturer | > | 1 | 6,0 | 0,31 % | | |
| | >>> | 3 | 7,0 | 0,93 % | | |
| | > | 1 | 7,5 | 0,31 % | | |
| Total per sample: n = 323 | | Success: 99 % | | | | |
| Total success: 99 % | | | | | | |

(274) Nitrite

| | | | | | | |
|---|---------------------------|-----|----|----------|----------|--------|
| A | (5) Dialab | >>> | 1 | Negative | 0,35 % | |
| | (9) Bayer | >>> | 2 | Negative | 0,70 % | |
| | (12) Beckman Coulter | >>> | 9 | Negative | 3,2 % | |
| | (18) Cormay | >>> | 1 | Negative | 0,35 % | |
| | (46) Erba Lachema | >>> | 14 | Negative | 4,9 % | |
| | (49) BioVendor | >>> | 3 | Negative | 1,1 % | |
| | (60) Roche | >>> | 33 | Negative | 12 % | |
| | (63) Sysmex | >>> | 8 | Negative | 2,8 % | |
| | (109) Alere / Axis-Shield | >>> | 2 | Negative | 0,70 % | |
| | (125) DOT Diagnostics | >>> | 1 | Negative | 0,35 % | |
| | (150) Arkray | >>> | 51 | Negative | 18 % | |
| | (161) YD Diagnostics | >>> | 3 | Negative | 1,1 % | |
| | (179) Siemens | >>> | 51 | Negative | 18 % | |
| | (197) Analyticon | >>> | 2 | Negative | 0,70 % | |
| | (199) Eurolab Lambda | >>> | 1 | Negative | 0,35 % | |
| | (201) Iris Diagnostics | >>> | 17 | Negative | 6,0 % | |
| | (202) Dirui | >>> | 57 | Negative | 20 % | |
| | | | | 1 | Positive | 0,35 % |
| | (207) 77 Elektronika Kft. | >>> | 23 | Negative | 8,1 % | |

Test

| Sample | Group | N | Result | N _{rel} |
|------------------------------------------------------------|----------------------------|--------|----------|------------------|
| A | (999) another manufacturer | >>> 5 | Negative | 1,8 % |
| ----- Total per sample: n = 285 ----- Success: 100 % ----- | | | | |
| B | (5) Dialab | >>> 1 | Positive | 0,35 % |
| | (9) Bayer | >>> 2 | Positive | 0,70 % |
| | (12) Beckman Coulter | >>> 9 | Positive | 3,2 % |
| | (18) Cormay | >>> 1 | Positive | 0,35 % |
| | (46) Erba Lachema | >>> 14 | Positive | 4,9 % |
| | (49) BioVendor | >>> 3 | Positive | 1,1 % |
| | (60) Roche | >>> 33 | Positive | 12 % |
| | (63) Sysmex | >>> 8 | Positive | 2,8 % |
| | (109) Alere / Axis-Shield | >>> 2 | Positive | 0,70 % |
| | (125) DOT Diagnostics | >>> 1 | Positive | 0,35 % |
| | (150) Arkray | >>> 51 | Positive | 18 % |
| | (161) YD Diagnostics | >>> 3 | Positive | 1,1 % |
| | (179) Siemens | >>> 51 | Positive | 18 % |
| | (197) Analyticon | >>> 2 | Positive | 0,70 % |
| | (199) Eurolab Lambda | >>> 1 | Positive | 0,35 % |
| | (201) Iris Diagnostics | >>> 17 | Positive | 6,0 % |
| | (202) Dirui | >>> 2 | Negative | 0,70 % |
| | | >>> 56 | Positive | 20 % |
| | (207) 77 Elektronika Kft. | >>> 23 | Positive | 8,1 % |
| | (999) another manufacturer | >>> 5 | Positive | 1,8 % |
| ----- Total per sample: n = 285 ----- Success: 99 % ----- | | | | |

Total success: 99 %

(275) hCG

| | | | | |
|-----------------------------------------------------------|----------------------------|-------|----------|-------|
| A | (1) Abbott | >>> 1 | Negative | 5,9 % |
| | (5) Dialab | >>> 4 | Negative | 24 % |
| | (17) Biogema | >>> 3 | Negative | 18 % |
| | (32) Human | >>> 1 | Negative | 5,9 % |
| | (115) BioSystems | >>> 1 | Negative | 5,9 % |
| | (179) Siemens | >>> 2 | Negative | 12 % |
| | (999) another manufacturer | >>> 5 | Negative | 29 % |
| ----- Total per sample: n = 17 ----- Success: 100 % ----- | | | | |
| B | (1) Abbott | >>> 1 | Positive | 5,9 % |
| | (5) Dialab | >>> 4 | Positive | 24 % |
| | (17) Biogema | >>> 3 | Positive | 18 % |
| | (32) Human | >>> 1 | Positive | 5,9 % |
| | (115) BioSystems | >>> 1 | Positive | 5,9 % |
| | (179) Siemens | >>> 2 | Positive | 12 % |
| | (999) another manufacturer | >>> 1 | Negative | 5,9 % |
| | | >>> 4 | Positive | 24 % |
| ----- Total per sample: n = 17 ----- Success: 94 % ----- | | | | |

Total success: 94 %