

EQA round: K07/23 - Blood Count

Deadline: 6.10.2023

Setup: minimal size of the groups n = 5

| Test Sample Group | [unit] | RoM | SD | CV [%] | N _{tot} | N _{out} | Comparability | | | | | N _{eva} | N _{suc} | S _{rel} [%] |
|--------------------------|-----------------------|-------|-------|-----------|------------------|------------------|---------------|-----------------|------------------|-------|-------|------------------|------------------|-------------------------|
| | | | | | | | AV | U _{AV} | D _{max} | LL | UL | | | |
| (158) PDW [%] | [%] | | | | 18 | | | | | | | 14 | 14 | 100 |
| Sample A | | 29,1 | 15 | 52 | 18 | | | | | | | 14 | 14 | 100 |
| (157) Nihon Kohden | | 17,8 | 0,52 | 2,9 | 5 | 0 | CVPG | 17,8 | 1,5 | 15% | 15,1 | 20,5 | 5 | |
| (179) Siemens | | 41,9 | 3,1 | 7,4 | 9 | 0 | CVPG | 41,9 | 3,8 | 15% | 35,6 | 48,2 | 9 | |
| Other | | | | | 4 | 0 | | | | | | | 0 | |
| | | | | | | | 3x 46, 1x 176 | | | | | | | |
| Sample B | | 28,7 | 15 | 52 | 18 | | | | | | | 14 | 14 | 100 |
| (157) Nihon Kohden | | 17,7 | 0,44 | 2,5 | 5 | 0 | CVPG | 17,7 | 1,3 | 15% | 15 | 20,4 | 5 | |
| (179) Siemens | | 41,6 | 4 | 9,6 | 9 | 0 | CVPG | 41,6 | 4,9 | 15% | 35,3 | 47,9 | 9 | |
| Other | | | | | 4 | 0 | | | | | | | 0 | |
| | | | | | | | 3x 46, 1x 176 | | | | | | | |
| (165) PDW [fL] | [fL] | | | | 105 | | | | | | | 104 | 101 | 97 |
| Sample A | | 11,7 | 0,81 | 6,9 | 105 | | | | | | | 104 | 102 | 98 |
| (63) Sysmex | | 11,7 | 0,8 | 6,8 | 104 | 0 | CVPG | 11,7 | 0,19 | 15% | 9,94 | 13,5 | 104 | |
| Other | | | | | 1 | 0 | | | | | | | 0 | |
| | | | | | | | 1x 204 | | | | | | | |
| Sample B | | 11,5 | 0,78 | 6,8 | 105 | | | | | | | 104 | 102 | 98 |
| (63) Sysmex | | 11,5 | 0,77 | 6,7 | 104 | 0 | CVPG | 11,5 | 0,18 | 15% | 9,77 | 13,3 | 104 | |
| Other | | | | | 1 | 0 | | | | | | | 0 | |
| | | | | | | | 1x 204 | | | | | | | |
| (166) PDW [-] | [-] | | | | 39 | | | | | | | 39 | 38 | 97 |
| Sample A | | | | | | | | | | | | 39 | 38 | 97 |
| (177) Mindray | | 15,8 | 0,27 | 1,7 | 39 | 0 | CVPG | 15,8 | 0,1 | 15% | 13,4 | 18,2 | 39 | |
| Sample B | | | | | | | | | | | | 39 | 38 | 97 |
| (177) Mindray | | 15,7 | 0,26 | 1,7 | 39 | 0 | CVPG | 15,7 | 0,1 | 15% | 13,3 | 18,1 | 39 | |
| (160) Neutrophils | [·10 ⁹ /L] | | | | 166 | | | | | | | 166 | 165 | 99 |
| Sample A | | | | | | | | | | | | 166 | 166 | 100 |
| All results | | 2,45 | 0,1 | 4,1 | 166 | 0 | CVP | 2,45 | 0,019 | 25% | 1,83 | 3,07 | 166 | |
| Sample B | | | | | | | | | | | | 166 | 165 | 99 |
| All results | | 2,48 | 0,11 | 4,6 | 166 | 0 | CVP | 2,48 | 0,022 | 25% | 1,86 | 3,1 | 166 | |
| (161) Lymphocytes | [·10 ⁹ /L] | | | | 167 | | | | | | | 167 | 164 | 98 |
| Sample A | | | | | | | | | | | | 167 | 166 | 99 |
| All results | | 1,44 | 0,07 | 4,8 | 167 | 0 | CVP | 1,44 | 0,013 | 25% | 1,08 | 1,8 | 167 | |
| Sample B | | | | | | | | | | | | 167 | 165 | 99 |
| All results | | 1,39 | 0,068 | 4,9 | 167 | 0 | CVP | 1,39 | 0,013 | 25% | 1,04 | 1,74 | 167 | |
| (162) Monocytes | [·10 ⁹ /L] | | | | 164 | | | | | | | 164 | 162 | 99 |
| Sample A | | | | | | | | | | | | 164 | 163 | 99 |
| All results | | 0,347 | 0,051 | 15 | 164 | 0 | CVP | 0,347 | 0,01 | 50% | 0,173 | 0,521 | 164 | |
| Sample B | | | | | | | | | | | | 164 | 163 | 99 |
| All results | | 0,479 | 0,082 | 17 | 164 | 0 | CVP | 0,479 | 0,016 | 50% | 0,239 | 0,719 | 164 | |
| (163) Eosinophils | [·10 ⁹ /L] | | | | 164 | | | | | | | 164 | 162 | 99 |
| Sample A | | | | | | | | | | | | 164 | 164 | 100 |
| All results | | 0,053 | 0,011 | 21 | 164 | 0 | CVP | 0,053 | 0,002 | asym. | 0 | 0,13 | 164 | |
| Sample B | | | | | | | | | | | | 164 | 162 | 99 |
| All results | | 0,04 | 0,002 | 4,2 | 164 | 0 | CVP | 0,04 | 0 | asym. | 0 | 0,133 | 164 | |
| (164) Basophils | [·10 ⁹ /L] | | | | 164 | | | | | | | 164 | 164 | 100 |
| Sample A | | | | | | | | | | | | 164 | 164 | 100 |
| All results | | 0,05 | 0,017 | 34 | 164 | 0 | CVP | 0,05 | 0,003 | asym. | 0 | 0,13 | 164 | |
| Sample B | | | | | | | | | | | | 164 | 164 | 100 |
| All results | | 0,026 | 0,015 | 55 | 164 | 0 | CVP | 0,026 | 0,003 | asym. | 0 | 0,133 | 164 | |