

## Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of the groups n = 5

Deadline: 28.08.2020

## EQA round: KD3/20 - Glycated Haemoglobin

|  |  |  |
|--|--|--|
| RoM = robust average                                 | AV = assigned value  | Dmax = acceptable percent difference     |
| SD = standard deviation                              | CRV = certified reference value                                      | LL = lower limit                         |
| CV = coefficient of variation                        | RV = reference value   | UL = upper limit                         |
| Ntot = total number of the participants              | CVE = consensus value from experts                                   | Neva = number of evaluated participants  |
| Nout = number of results excluded before calculation | CVP = consensus value from all participants                          | Nsuc = number of successful participants |
|  | CVPG = consensus value from participants groups                      | Srel = success (relative)                |
|  | U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2) |  |

| Test                         | [unit]     | Comparability |     |        |                  |                  |    | Traceability    |                  |    |    |                  |                  |                  |     |                 |                  |      |    |                  |                  |                  |     |
|------------------------------|------------|---------------|-----|--------|------------------|------------------|----|-----------------|------------------|----|----|------------------|------------------|------------------|-----|-----------------|------------------|------|----|------------------|------------------|------------------|-----|
|                              |            | RoM           | SD  | CV [%] | N <sub>tot</sub> | N <sub>out</sub> | AV | U <sub>AV</sub> | D <sub>max</sub> | LL | UL | N <sub>eva</sub> | N <sub>suc</sub> | S <sub>rel</sub> | AV  | U <sub>AV</sub> | D <sub>max</sub> | LL   | UL | N <sub>eva</sub> | N <sub>suc</sub> | S <sub>rel</sub> |     |
| <b>(220) Haemoglobin A1c</b> | [mmol/mol] |               |     |        | 170              |                  |    |                 |                  |    |    | 0                |                  |                  |     |                 |                  |      |    |                  | 170              | 169              | 99% |
| Samples and groups           |            |               |     |        |                  |                  |    |                 |                  |    |    |                  |                  |                  |     |                 |                  |      |    |                  |                  |                  |     |
| <b>Sample A</b>              |            | 40,4          | 2,1 | 5,3    | 170              |                  |    |                 |                  |    |    | 0                | CRV              | 40,8             | 1,7 | 14%             | 35               | 46,6 |    | 170              | 169              | 99%              |     |
| (1) HPLC, LC                 |            | 40,3          | 2,1 | 5,2    | 152              | 0                |    |                 |                  |    |    |                  |                  |                  |     |                 |                  |      |    |                  | 152              |                  |     |
| (4) Immunochemical meth.     |            | 40,9          | 2,7 | 6,6    | 15               | 0                |    |                 |                  |    |    |                  |                  |                  |     |                 |                  |      |    |                  | 15               |                  |     |
| Other                        |            |               |     |        | 3                | 0                |    |                 |                  |    |    |                  |                  |                  |     |                 |                  |      |    |                  |                  | 3                |     |
|                              |            |               |     |        |                  |                  |    |                 |                  |    |    |                  | 3x 99            |                  |     |                 |                  |      |    |                  |                  |                  |     |
| <b>Sample B</b>              |            | 51,0          | 2,6 | 5,2    | 170              |                  |    |                 |                  |    |    | 0                | CRV              | 51,2             | 1,2 | 14%             | 44               | 58,4 |    | 170              | 169              | 99%              |     |
| (1) HPLC, LC                 |            | 50,8          | 2,6 | 5,1    | 152              | 0                |    |                 |                  |    |    |                  |                  |                  |     |                 |                  |      |    |                  | 152              |                  |     |
| (4) Immunochemical meth.     |            | 52,4          | 2,6 | 5,1    | 15               | 0                |    |                 |                  |    |    |                  |                  |                  |     |                 |                  |      |    |                  | 15               |                  |     |
| Other                        |            |               |     |        | 3                | 0                |    |                 |                  |    |    |                  |                  |                  |     |                 |                  |      |    |                  |                  | 3                |     |
|                              |            |               |     |        |                  |                  |    |                 |                  |    |    |                  |                  | 3x 99            |     |                 |                  |      |    |                  |                  |                  |     |

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End of report

Printed: 07.09.2020