

## Summary statistics - quantitative results

(Groups: measurement principle)

Filter: Slovakia, minimal size of the groups n = 5

## EQA round: HS1/22 - Haemocoagulation Special

Deadline: 17.06.2022

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|--|--|--|
| 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 |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
|---|--------|---------------|-------|--------|------------------|------------------|-------|-----------------|------------------|-------|-------|------------------|------------------|------------------|-----|----|------|
|   |        | 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> |     |    |      |
| <b>Set 1</b>                              |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>(479) Factor VIII</b>                  |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 29  | 24 | 83%  |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A1</b>                          |        | 1,40          | 0,71  | 51     | 29               | CVP              | 1,31  | 0,14            | ±1,25            | 0,06  | 2,56  | 29               | 24               | 83%              |     |    |      |
| (1) Coagulometer                          |        | 1,32          | 0,62  | 47     | 26               | 0                |       |                 |                  |       |       | 26               |                  |                  |     |    |      |
| Other                                     |        |               |       |        | 3                | 0                |       |                 |                  |       |       | 3                |                  |                  |     |    |      |
|   |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 3x4 |    |      |
| <b>(480) von Willebrand f. (activity)</b> |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 5   | 5  | 100% |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A1</b>                          |        | 55,1          | 0,67  | 1,2    | 5                | CVP              | 56,9  | 1,8             | 30%              | 39,8  | 74    | 5                | 5                | 100%             |     |    |      |
| (0) Not specified                         |        | 55,1          | 0,67  | 1,2    | 5                | 0                |       |                 |                  |       |       | 5                |                  |                  |     |    |      |
| <b>(481) von Willebrand f. (antigen)</b>  |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 8   | 6  | 75%  |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A1</b>                          |        | 59,1          | 14    | 24     | 8                | CVP              | 63    | 3,3             | 20%              | 50,4  | 75,6  | 8                | 6                | 75%              |     |    |      |
| (0) Not specified                         |        | 59,1          | 14    | 24     | 8                | 0                |       |                 |                  |       |       | 8                |                  |                  |     |    |      |
| <b>Set 2</b>                              |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>(482) Factor IX</b>                    |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 13  | 13 | 100% |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A2</b>                          |        | 117           | 9,7   | 8,3    | 13               | CVP              | 113   | 2,8             | 25%              | 84,7  | 142   | 13               | 13               | 100%             |     |    |      |
| (1) Coagulometer                          |        | 117           | 9,7   | 8,3    | 13               | 0                |       |                 |                  |       |       | 13               |                  |                  |     |    |      |
| <b>(483) Factor XI</b>                    |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 10  | 10 | 100% |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A2</b>                          |        | 110           | 6,9   | 6,3    | 10               | CVP              | 108   | 4,4             | 25%              | 81    | 135   | 10               | 10               | 100%             |     |    |      |
| (1) Coagulometer                          |        | 110           | 6,9   | 6,3    | 10               | 0                |       |                 |                  |       |       | 10               |                  |                  |     |    |      |
| <b>(484) Factor XII</b>                   |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 10  | 8  | 80%  |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A2</b>                          |        | 95,2          | 12    | 13     | 10               | CVP              | 93,4  | 4,4             | 25%              | 70    | 117   | 10               | 8                | 80%              |     |    |      |
| (1) Coagulometer                          |        | 95,2          | 12    | 13     | 10               | 0                |       |                 |                  |       |       | 10               |                  |                  |     |    |      |
| <b>Set 3</b>                              |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>(485) Protein C</b>                    |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 14  | 12 | 86%  |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A3</b>                          |        | 131           | 11    | 8,7    | 14               | CVP              | 134   | 1,7             | 20%              | 107   | 161   | 14               | 12               | 86%              |     |    |      |
| (2) Chromogenous substrat                 |        | 134           | 7,0   | 5,2    | 13               | 0                |       |                 |                  |       |       | 13               |                  |                  |     |    |      |
| Other                                     |        |               |       |        | 1                | 0                |       |                 |                  |       |       | 1                |                  |                  |     |    |      |
|   |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 1x1 |    |      |
| <b>(486) Protein S</b>                    |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 14  | 13 | 93%  |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A3</b>                          |        | 102           | 16    | 15     | 14               | CVP              | 99,2  | 4,6             | 30%              | 69,4  | 129   | 14               | 13               | 93%              |     |    |      |
| (1) Coagulometer                          |        | 92,8          | 16    | 17     | 8                | 0                |       |                 |                  |       |       | 8                |                  |                  |     |    |      |
| (3) ELISA, LIA, EID                       |        | 116           | 3,5   | 3,0    | 6                | 0                |       |                 |                  |       |       | 6                |                  |                  |     |    |      |
| <b>(487) ProC Global (norm. ratio)</b>    |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 9   | 9  | 100% |
| Samples and groups                        | [-]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A3</b>                          |        | 0,355         | 0,022 | 6,3    | 9                | CVP              | 0,371 | 0,017           | 25%              | 0,278 | 0,464 | 9                | 9                | 100%             |     |    |      |
| (1) Coagulometer                          |        | 0,355         | 0,022 | 6,3    | 9                | 0                |       |                 |                  |       |       | 9                |                  |                  |     |    |      |
| <b>Set 4</b>                              |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>(491) Factor II</b>                    |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 12  | 10 | 83%  |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A4</b>                          |        | 85,9          | 13    | 15     | 12               | CVP              | 80,5  | 2,9             | 25%              | 60,3  | 101   | 12               | 10               | 83%              |     |    |      |
| (1) Coagulometer                          |        | 85,9          | 13    | 15     | 12               | 0                |       |                 |                  |       |       | 12               |                  |                  |     |    |      |
| <b>(492) Factor V</b>                     |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 13  | 13 | 100% |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A4</b>                          |        | 95,8          | 5,4   | 5,6    | 13               | CVP              | 94,2  | 2,3             | 25%              | 70,6  | 118   | 13               | 13               | 100%             |     |    |      |
| (1) Coagulometer                          |        | 95,8          | 5,4   | 5,6    | 13               | 0                |       |                 |                  |       |       | 13               |                  |                  |     |    |      |
| <b>(493) Factor VII</b>                   |        |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  | 14  | 13 | 93%  |
| Samples and groups                        | [%]    |               |       |        |                  |                  |       |                 |                  |       |       |                  |                  |                  |     |    |      |
| <b>Sample A4</b>                          |        | 2,76          | 2,2   | 79     | 14               | CVP              | 2,24  | 0,72            | asym.            | 0     | 5,4   | 14               | 13               | 93%              |     |    |      |
| (1) Coagulometer                          |        | 2,76          | 2,2   | 79     | 14               | 0                |       |                 |                  |       |       | 14               |                  |                  |     |    |      |

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| Test                  | [unit] |      |     |        |                  |                  | Comparability |                 |                  |      |     |                  |                  |                     |
|-----------------------|--------|------|-----|--------|------------------|------------------|---------------|-----------------|------------------|------|-----|------------------|------------------|---------------------|
|                       |        | 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>    |
| <b>(494) Factor X</b> |        |      |     |        | 11               |                  |               |                 |                  |      |     | 11               | 11               | 100%                |
| Samples and groups    | [%]    |      |     |        |                  |                  |               |                 |                  |      |     |                  |                  |                     |
| <b>Sample A4</b>      |        | 95,2 | 5,6 | 5,9    | 11               | CVP              | 93,5          | 2,8             | 25%              | 70,1 | 117 | 11               | 11               | 100%                |
| (1) Coagulometer      |        | 95,2 | 5,6 | 5,9    | 11               | 0                |               |                 |                  |      |     | 11               |                  |                     |
| st_kn_p               |        |      |     |        |                  | End of report    |               |                 |                  |      |     |                  |                  | Printed: 29.06.2022 |