

## Summary statistics - quantitative results

(Groups: manufacturer of kit)

Filter: minimal size of the groups n = 5

## EQA round: T13/21 - Specific IgE (study)

Deadline: 24.09.2021

|  |  |  |
|--|--|--|
| 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>(285) Amoxicillin</b>   |        |       |       |        | 24               |                  |                       |                 |                  |       |      | 24               | 24               | 100%             |
| Samples and groups         | [kU/L] |       |       |        |                  |                  |                       |                 |                  |       |      |                  |                  |                  |
| <b>Sample A</b>            |        | 0,077 | 0,066 | 86     | 24               | CVP              | 0,077                 | 0,033           | asym.            | 0     | 0,35 | 24               | 24               | 100%             |
| (29) Siemens (Immolute)    |        | 0,100 | 0,000 | 0,00   | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
| (166) Thermo Fisher        |        | 0,035 | 0,035 | 99     | 13               | 0                |                       |                 |                  |       |      | 13               |                  |                  |
| Other                      |        |       |       |        | 6                | 0                |                       |                 |                  |       |      | 6                |                  |                  |
|                            |        |       |       |        |                  |                  | 2x 52, 1x 101, 3x 999 |                 |                  |       |      |                  |                  |                  |
| <b>Sample B</b>            |        | 0,177 | 0,11  | 65     | 24               | CVP              | 0,177                 | 0,058           | asym.            | 0     | 0,35 | 24               | 24               | 100%             |
| (29) Siemens (Immolute)    |        | 0,100 | 0,000 | 0,00   | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
| (166) Thermo Fisher        |        | 0,203 | 0,068 | 33     | 13               | 0                |                       |                 |                  |       |      | 13               |                  |                  |
| Other                      |        |       |       |        | 6                | 0                |                       |                 |                  |       |      | 6                |                  |                  |
|                            |        |       |       |        |                  |                  | 2x 52, 1x 101, 3x 999 |                 |                  |       |      |                  |                  |                  |
| <b>(286) Ampicillin</b>    |        |       |       |        | 22               |                  |                       |                 |                  |       |      | 22               | 4                | 18%              |
| Samples and groups         | [kU/L] |       |       |        |                  |                  |                       |                 |                  |       |      |                  |                  |                  |
| <b>Sample A</b>            |        | 0,086 | 0,076 | 89     | 22               | CVP              | 0,086                 | 0,040           | asym.            | 0     | 0,35 | 22               | 21               | 95%              |
| (29) Siemens (Immolute)    |        | 0,100 | 0,000 | 0,00   | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
| (166) Thermo Fisher        |        | 0,041 | 0,047 | 120    | 11               | 0                |                       |                 |                  |       |      | 11               |                  |                  |
| Other                      |        |       |       |        | 6                | 0                |                       |                 |                  |       |      | 6                |                  |                  |
|                            |        |       |       |        |                  |                  | 2x 52, 1x 101, 3x 999 |                 |                  |       |      |                  |                  |                  |
| <b>Sample B</b>            |        | 7,30  | 10    | 140    | 22               | CVP              | 15,1                  | 5,4             | 25%              | 11,3  | 18,9 | 22               | 4                | 18%              |
| (29) Siemens (Immolute)    |        | 0,100 | 0,000 | 0,00   | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
| (166) Thermo Fisher        |        | 15,1  | 8,6   | 57     | 11               | 0                |                       |                 |                  |       |      | 11               |                  |                  |
| Other                      |        |       |       |        | 6                | 0                |                       |                 |                  |       |      | 6                |                  |                  |
|                            |        |       |       |        |                  |                  | 2x 52, 1x 101, 3x 999 |                 |                  |       |      |                  |                  |                  |
| <b>(283) Penicilloyl G</b> |        |       |       |        | 24               |                  |                       |                 |                  |       |      | 24               | 3                | 13%              |
| Samples and groups         | [kU/L] |       |       |        |                  |                  |                       |                 |                  |       |      |                  |                  |                  |
| <b>Sample A</b>            |        | 0,062 | 0,066 | 110    | 24               | CVP              | 0,062                 | 0,033           | asym.            | 0     | 0,35 | 24               | 23               | 96%              |
| (29) Siemens (Immolute)    |        | 0,100 | 0,000 | 0,00   | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
| (166) Thermo Fisher        |        | 0,034 | 0,051 | 150    | 14               | 0                |                       |                 |                  |       |      | 14               |                  |                  |
| Other                      |        |       |       |        | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
|                            |        |       |       |        |                  |                  | 1x 52, 1x 101, 3x 999 |                 |                  |       |      |                  |                  |                  |
| <b>Sample B</b>            |        | 8,89  | 10    | 120    | 24               | CVP              | 15,5                  | 5,2             | 25%              | 11,6  | 19,4 | 24               | 3                | 13%              |
| (29) Siemens (Immolute)    |        | 0,100 | 0,000 | 0,00   | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
| (166) Thermo Fisher        |        | 15,5  | 6,7   | 43     | 14               | 0                |                       |                 |                  |       |      | 14               |                  |                  |
| Other                      |        |       |       |        | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
|                            |        |       |       |        |                  |                  | 1x 52, 1x 101, 3x 999 |                 |                  |       |      |                  |                  |                  |
| <b>(284) Penicilloyl V</b> |        |       |       |        | 26               |                  |                       |                 |                  |       |      | 21               | 18               | 86%              |
| Samples and groups         | [kU/L] |       |       |        |                  |                  |                       |                 |                  |       |      |                  |                  |                  |
| <b>Sample A</b>            |        | 0,061 | 0,055 | 91     | 26               | CVP              | 0,061                 | 0,027           | asym.            | 0     | 0,35 | 26               | 25               | 96%              |
| (29) Siemens (Immolute)    |        | 0,100 | 0,000 | 0,00   | 6                | 0                |                       |                 |                  |       |      | 6                |                  |                  |
| (166) Thermo Fisher        |        | 0,023 | 0,02  | 86     | 15               | 1                |                       |                 |                  |       |      | 15               |                  |                  |
| Other                      |        |       |       |        | 5                | 0                |                       |                 |                  |       |      | 5                |                  |                  |
|                            |        |       |       |        |                  |                  | 1x 52, 1x 101, 3x 999 |                 |                  |       |      |                  |                  |                  |
| <b>Sample B</b>            |        | 52,2  | 58    | 110    | 26               | CVPG             | 0,857                 | 0,20            | 25%              | 0,642 | 1,08 | 21               | 18               | 86%              |
| (29) Siemens (Immolute)    |        | 0,857 | 0,14  | 17     | 6                | 0                | CVPG                  | 100             | 25%              | 75    | 125  | 6                |                  |                  |
| (166) Thermo Fisher        |        | 100   | 0,000 | 0,00   | 15               | 1                |                       |                 |                  |       |      | 15               |                  |                  |
| Other                      |        |       |       |        | 5                | 0                |                       |                 |                  |       |      | 0                |                  |                  |
|                            |        |       |       |        |                  |                  | 1x 52, 1x 101, 3x 999 |                 |                  |       |      |                  |                  |                  |

st\_kn\_p

End of report

Printed: 06.10.2021