

Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of the groups n = 5

EQA round: HKG2/21 - Haemocoagulation Tests

Deadline: 18.06.2021

| | | |
|--|--|--|
| 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 _{AV} = expanded uncertainty of the assigned value (k = 2) | |

| Test | [unit] | Comparability | | | | | Comparability | | | | | | | | |
|---|--------|---------------|-------|--------|------------------|------------------|---------------|--|------------------|-----|-------|------------------|------------------|------------------|------|
| | | RoM | SD | CV [%] | N _{tot} | N _{out} | AV | U _{AV} | D _{max} | LL | UL | N _{eva} | N _{suc} | S _{rel} | |
| (170) APTT - ratio | | | | | 289 | | | | | | | 281 | 273 | 97% | |
| --- Samples and groups --- | [-] | | | | | | | | | | | | | | |
| Sample A | | 1,85 | 0,35 | 19 | 289 | | | | | | | 281 | 273 | 97% | |
| (0) Not specified; (240) Siemens (Dade) Actin FS | | 1,63 | 0,15 | 9,1 | 93 | 0 | CVPG | 1,63 | 0,038 | 20% | 1,3 | 1,96 | 93 | | |
| (0) Not specified; (241) Siemens (Dade) Actin FSL | | 2,00 | 0,16 | 8,2 | 25 | 0 | CVPG | 2,0 | 0,081 | 20% | 1,6 | 2,4 | 25 | | |
| (0) Not specified; (242) Siemens (Dade) Pathromtin SL | | 2,32 | 0,19 | 8,0 | 73 | 0 | CVPG | 2,32 | 0,053 | 20% | 1,85 | 2,79 | 73 | | |
| (0) Not specified; (253) IL APTT-SP | | 1,57 | 0,081 | 5,2 | 22 | 0 | CVPG | 1,57 | 0,042 | 20% | 1,25 | 1,89 | 22 | | |
| (0) Not specified; (256) IL SynthASil | | 1,51 | 0,059 | 3,9 | 9 | 0 | CVPG | 1,51 | 0,073 | 20% | 1,2 | 1,82 | 9 | | |
| (0) Not specified; (257) Diagon Dia-PTT-Liquid | | 1,86 | 0,18 | 9,6 | 13 | 0 | CVPG | 1,86 | 0,12 | 20% | 1,48 | 2,24 | 13 | | |
| (0) Not specified; (260) Stago PTT Automate | | 1,85 | 0,11 | 5,7 | 15 | 0 | CVPG | 1,85 | 0,067 | 20% | 1,48 | 2,22 | 15 | | |
| (0) Not specified; (265) Stago Cephascreen | | 1,75 | 0,094 | 5,4 | 16 | 0 | CVPG | 1,75 | 0,058 | 20% | 1,4 | 2,1 | 16 | | |
| (0) Not specified; (266) Hyphen BioMed CEPHEN | | 1,68 | 0,15 | 8,9 | 10 | 0 | CVPG | 1,68 | 0,12 | 20% | 1,34 | 2,02 | 10 | | |
| (0) Not specified; (269) Diagon DIA-PTT | | 1,50 | 0,30 | 20 | 5 | 1 | CVPG | 1,5 | 0,30 | 20% | 1,2 | 1,8 | 5 | | |
| Other | | | | | 8 | 0 | | | | | | | 0 | | |
| | | | | | | | | 3x 0/246, 1x 0/248, 1x 0/259, 1x 0/270, 2x 0/999 | | | | | | | |
| Sample B | | 1,04 | 0,085 | 8,1 | 289 | | | | | | | 281 | 280 | 100% | |
| (0) Not specified; (240) Siemens (Dade) Actin FS | | 0,998 | 0,039 | 3,9 | 93 | 0 | CVPG | 0,998 | 0,098 | 20% | 0,798 | 1,2 | 93 | | |
| (0) Not specified; (241) Siemens (Dade) Actin FSL | | 1,01 | 0,038 | 3,8 | 25 | 0 | CVPG | 1,01 | 0,019 | 20% | 0,808 | 1,22 | 25 | | |
| (0) Not specified; (242) Siemens (Dade) Pathromtin SL | | 1,13 | 0,056 | 5,0 | 73 | 0 | CVPG | 1,13 | 0,016 | 20% | 0,904 | 1,36 | 73 | | |
| (0) Not specified; (253) IL APTT-SP | | 0,940 | 0,043 | 4,5 | 22 | 0 | CVPG | 0,94 | 0,022 | 20% | 0,752 | 1,13 | 22 | | |
| (0) Not specified; (256) IL SynthASil | | 1,17 | 0,03 | 2,5 | 9 | 0 | CVPG | 1,17 | 0,037 | 20% | 0,936 | 1,41 | 9 | | |
| (0) Not specified; (257) Diagon Dia-PTT-Liquid | | 1,10 | 0,059 | 5,4 | 13 | 0 | CVPG | 1,1 | 0,040 | 20% | 0,88 | 1,32 | 13 | | |
| (0) Not specified; (260) Stago PTT Automate | | 1,04 | 0,052 | 5,0 | 15 | 0 | CVPG | 1,04 | 0,033 | 20% | 0,832 | 1,25 | 15 | | |
| (0) Not specified; (265) Stago Cephascreen | | 1,08 | 0,035 | 3,2 | 16 | 0 | CVPG | 1,08 | 0,021 | 20% | 0,864 | 1,3 | 16 | | |
| (0) Not specified; (266) Hyphen BioMed CEPHEN | | 1,02 | 0,043 | 4,2 | 10 | 0 | CVPG | 1,02 | 0,033 | 20% | 0,816 | 1,23 | 10 | | |
| (0) Not specified; (269) Diagon DIA-PTT | | 0,900 | 0,16 | 18 | 5 | 1 | CVPG | 0,9 | 0,16 | 20% | 0,72 | 1,08 | 5 | | |
| Other | | | | | 8 | 0 | | | | | | | 0 | | |
| | | | | | | | | 3x 0/246, 1x 0/248, 1x 0/259, 1x 0/270, 2x 0/999 | | | | | | | |
| (171) Fibrinogen | | | | | 228 | | | | | | | 228 | 221 | 97% | |
| --- Samples and groups --- | [g/L] | | | | | | | | | | | | | | |
| Sample A | | 1,12 | 0,09 | 8,1 | 228 | | CVP | 1,12 | 0,015 | 25% | 0,84 | 1,4 | 228 | 224 | 98% |
| (1) Coagulometer | | 1,12 | 0,09 | 8,1 | 228 | 0 | | | | | | | 228 | | |
| Sample B | | 2,66 | 0,19 | 7,0 | 228 | | CVP | 2,66 | 0,030 | 25% | 1,99 | 3,33 | 228 | 225 | 99% |
| (1) Coagulometer | | 2,66 | 0,19 | 7,0 | 228 | 0 | | | | | | | 228 | | |
| (177) Antithrombin | | | | | 161 | | | | | | | 161 | 155 | 96% | |
| --- Samples and groups --- | [%] | | | | | | | | | | | | | | |
| Sample A | | 37,2 | 3,8 | 10 | 161 | | CVP | 37,2 | 0,73 | 25% | 27,9 | 46,5 | 161 | 155 | 96% |
| (1) Coagulometer | | 36,9 | 3,6 | 9,6 | 9 | 0 | | | | | | | 9 | | |
| (4) Chromogenous substrat | | 37,3 | 3,8 | 10 | 152 | 0 | | | | | | | 152 | | |
| Sample B | | 86,3 | 4,8 | 5,6 | 161 | | CVP | 86,3 | 0,93 | 18% | 70,7 | 102 | 161 | 160 | 99% |
| (1) Coagulometer | | 83,6 | 3,1 | 3,7 | 9 | 0 | | | | | | | 9 | | |
| (4) Chromogenous substrat | | 86,5 | 4,9 | 5,7 | 152 | 0 | | | | | | | 152 | | |
| (172) Prothrombin test (INR) | | | | | 296 | | | | | | | 296 | 284 | 96% | |
| --- Samples and groups --- | [-] | | | | | | | | | | | | | | |
| Sample A | | 1,69 | 0,16 | 9,3 | 296 | | | | | | | 296 | 284 | 96% | |
| (1) Coagulometr (trom. human plac.) | | 1,63 | 0,097 | 6,0 | 185 | 0 | CVP | 1,65 | 0,019 | 20% | 1,32 | 1,98 | 185 | | |
| (2) Coagulometr (trom. human rec.) | | 1,76 | 0,18 | 10 | 51 | 0 | CVP | 1,65 | 0,019 | 20% | 1,32 | 1,98 | 51 | | |
| (3) Coagulometr (trom. rabbit br.) | | 1,87 | 0,20 | 10 | 60 | 0 | CVPG | 1,87 | 0,062 | 20% | 1,49 | 2,25 | 60 | | |
| Sample B | | 1,02 | 0,051 | 4,9 | 296 | | CVP | 1,02 | 0,072 | 20% | 0,816 | 1,23 | 296 | 296 | 100% |
| (1) Coagulometr (trom. human plac.) | | 1,01 | 0,048 | 4,8 | 185 | 0 | | | | | | | 185 | | |
| (2) Coagulometr (trom. human rec.) | | 1,03 | 0,056 | 5,4 | 51 | 0 | | | | | | | 51 | | |
| (3) Coagulometr (trom. rabbit br.) | | 1,04 | 0,046 | 4,4 | 60 | 0 | | | | | | | 60 | | |

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| Test | [unit] | RoM | SD | CV [%] | N _{tot} | N _{out} | Comparability | | | | | | N _{eva} | N _{suc} | S _{rel} |
|---|--------|-------|-------|--------|------------------|------------------|---------------|-----------------|------------------|-----|-------|------|------------------|------------------|------------------|
| | | | | | | | AV | U _{AV} | D _{max} | LL | UL | | | | |
| (179) Prothrombin test (ratio) | | | | | 295 | | | | | | | | 295 | 284 | 96% |
| Samples and groups | | | | | | | | | | | | | | | |
| Sample A | | 1,66 | 0,15 | 8,9 | 295 | | | | | | | | 295 | 285 | 97% |
| (1) Coagulometr (trom. human plac.) | | 1,61 | 0,095 | 5,9 | 184 | 0 | CVP | 1,63 | 0,019 | 20% | 1,3 | 1,96 | 184 | | |
| (2) Coagulometr (trom. human rec.) | | 1,74 | 0,18 | 10 | 56 | 0 | CVP | 1,63 | 0,019 | 20% | 1,3 | 1,96 | 56 | | |
| (3) Coagulometr (trom. rabbit br.) | | 1,81 | 0,18 | 9,9 | 55 | 0 | CVPG | 1,81 | 0,059 | 20% | 1,44 | 2,18 | 55 | | |
| Sample B | | 1,02 | 0,049 | 4,8 | 295 | | CVP | 1,02 | 0,070 | 20% | 0,816 | 1,23 | 295 | 294 | 100% |
| (1) Coagulometr (trom. human plac.) | | 1,01 | 0,048 | 4,7 | 184 | 0 | | | | | | | 184 | | |
| (2) Coagulometr (trom. human rec.) | | 1,02 | 0,056 | 5,5 | 56 | 0 | | | | | | | 56 | | |
| (3) Coagulometr (trom. rabbit br.) | | 1,04 | 0,038 | 3,6 | 55 | 0 | | | | | | | 55 | | |
| (173) Thrombin time (time) | | | | | 140 | | | | | | | | 121 | 119 | 98% |
| Samples and groups | | | | | | | | | | | | | | | |
| Sample A | | 16,6 | 3,4 | 20 | 140 | | | | | | | | 121 | 119 | 98% |
| (3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago | | 16,8 | 0,36 | 2,2 | 12 | 0 | CVPG | 16,8 | 0,26 | 20% | 13,4 | 20,2 | 12 | | |
| (3) Thrombin units: 1,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension) | | 19,8 | 0,89 | 4,5 | 6 | 0 | CVPG | 19,8 | 1,2 | 20% | 15,8 | 23,8 | 6 | | |
| (5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension) | | 14,7 | 0,99 | 6,7 | 73 | 0 | CVPG | 14,7 | 0,28 | 20% | 11,7 | 17,7 | 73 | | |
| (5) Thrombin units: 2,5 IU/mL (NIH); (179) Siemens | | 14,5 | 1,2 | 8,2 | 7 | 0 | CVPG | 14,5 | 1,2 | 20% | 11,6 | 17,4 | 7 | | |
| (6) Thrombin units: 3 IU/mL (NIH); (38) IL | | 24,3 | 1,7 | 7,1 | 17 | 0 | CVPG | 24,3 | 1,0 | 20% | 19,4 | 29,2 | 17 | | |
| (7) Thrombin units: 5 IU/mL (NIH); (175) DIAGON | | 21,2 | 2,1 | 9,8 | 6 | 0 | CVPG | 21,2 | 2,9 | 20% | 16,9 | 25,5 | 6 | | |
| Other | | | | | 19 | 0 | | | | | | | 0 | | |
| 1x 1/63, 1x 1/126, 2x 1/149, 1x 1/175, 3x 1/179, 1x 2/149, 1x 2/193, 1x 4/159, 1x 6/998, 2x 7/38, 2x 8/177, 1x 99/38, 1x 99/46, 1x 99/100 | | | | | | | | | | | | | | | |
| Sample B | | 15,3 | 1,4 | 9,5 | 140 | | | | | | | | 121 | 120 | 99% |
| (3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago | | 16,2 | 0,42 | 2,6 | 12 | 0 | CVPG | 16,2 | 0,30 | 20% | 12,9 | 19,5 | 12 | | |
| (3) Thrombin units: 1,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension) | | 19,1 | 0,37 | 1,9 | 6 | 0 | CVPG | 19,1 | 0,52 | 20% | 15,2 | 23 | 6 | | |
| (5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension) | | 14,6 | 0,71 | 4,9 | 73 | 0 | CVPG | 14,6 | 0,20 | 20% | 11,6 | 17,6 | 73 | | |
| (5) Thrombin units: 2,5 IU/mL (NIH); (179) Siemens | | 14,6 | 1,0 | 7,1 | 7 | 0 | CVPG | 14,6 | 1,0 | 20% | 11,6 | 17,6 | 7 | | |
| (6) Thrombin units: 3 IU/mL (NIH); (38) IL | | 16,1 | 1,1 | 6,5 | 17 | 0 | CVPG | 16,1 | 0,63 | 20% | 12,8 | 19,4 | 17 | | |
| (7) Thrombin units: 5 IU/mL (NIH); (175) DIAGON | | 19,8 | 2,4 | 12 | 6 | 0 | CVPG | 19,8 | 3,3 | 20% | 15,8 | 23,8 | 6 | | |
| Other | | | | | 19 | 0 | | | | | | | 0 | | |
| 1x 1/63, 1x 1/126, 2x 1/149, 1x 1/175, 3x 1/179, 1x 2/149, 1x 2/193, 1x 4/159, 1x 6/998, 2x 7/38, 2x 8/177, 1x 99/38, 1x 99/46, 1x 99/100 | | | | | | | | | | | | | | | |
| (174) Thrombin time (ratio) | | | | | 120 | | | | | | | | 101 | 98 | 97% |
| Samples and groups | | | | | | | | | | | | | | | |
| Sample A | | 1,03 | 0,16 | 16 | 120 | | | | | | | | 101 | 98 | 97% |
| (3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago | | 0,958 | 0,033 | 3,4 | 11 | 0 | CVPG | 0,958 | 0,024 | 20% | 0,766 | 1,15 | 11 | | |
| (3) Thrombin units: 1,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension) | | 1,15 | 0,045 | 3,9 | 5 | 0 | CVPG | 1,15 | 0,13 | 20% | 0,92 | 1,38 | 5 | | |
| (5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension) | | 0,939 | 0,061 | 6,5 | 64 | 0 | CVPG | 0,939 | 0,019 | 20% | 0,751 | 1,13 | 64 | | |
| (6) Thrombin units: 3 IU/mL (NIH); (38) IL | | 1,67 | 0,17 | 9,9 | 15 | 0 | CVPG | 1,67 | 0,10 | 20% | 1,33 | 2,01 | 15 | | |
| (7) Thrombin units: 5 IU/mL (NIH); (175) DIAGON | | 1,15 | 0,074 | 6,4 | 6 | 0 | CVPG | 1,15 | 0,10 | 20% | 0,92 | 1,38 | 6 | | |
| Other | | | | | 19 | 0 | | | | | | | 0 | | |
| 1x 1/126, 1x 1/149, 1x 1/175, 1x 2/94, 1x 2/149, 1x 2/193, 1x 4/159, 4x 5/179, 1x 6/51, 1x 6/998, 2x 7/38, 2x 8/177, 1x 99/38, 1x 99/46 | | | | | | | | | | | | | | | |
| Sample B | | 0,964 | 0,087 | 9,0 | 120 | | | | | | | | 101 | 101 | 100% |
| (3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago | | 0,926 | 0,034 | 3,7 | 11 | 0 | CVPG | 0,926 | 0,025 | 20% | 0,74 | 1,12 | 11 | | |
| (3) Thrombin units: 1,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension) | | 1,09 | 0,022 | 2,0 | 5 | 0 | CVPG | 1,09 | 0,063 | 20% | 0,872 | 1,31 | 5 | | |
| (5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension) | | 0,924 | 0,053 | 5,8 | 64 | 0 | CVPG | 0,924 | 0,016 | 20% | 0,739 | 1,11 | 64 | | |
| (6) Thrombin units: 3 IU/mL (NIH); (38) IL | | 1,11 | 0,096 | 8,6 | 15 | 0 | CVPG | 1,11 | 0,060 | 20% | 0,888 | 1,34 | 15 | | |
| (7) Thrombin units: 5 IU/mL (NIH); (175) DIAGON | | 1,03 | 0,096 | 9,4 | 6 | 0 | CVPG | 1,03 | 0,13 | 20% | 0,824 | 1,24 | 6 | | |
| Other | | | | | 19 | 0 | | | | | | | 0 | | |
| 1x 1/126, 1x 1/149, 1x 1/175, 1x 2/94, 1x 2/149, 1x 2/193, 1x 4/159, 4x 5/179, 1x 6/51, 1x 6/998, 2x 7/38, 2x 8/177, 1x 99/38, 1x 99/46 | | | | | | | | | | | | | | | |

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End of report

Printed: 29.06.2021