

EQA round: DD1/26 - D Dimers

Deadline: 27.3.2026

Setup: groups - R (manufacturer of kit); Czech Republic; minimal size of the groups n = 5

| | | |
|---|--|---|
| RoM = robust average | AV = assigned value | D _{max} = acceptable difference |
| SD = standard deviation | CVPG = consensus of the participants' groups | LL = lower limit |
| CV = coefficient of variation | U _{AV} = expanded uncertainty of the assigned value (k = 2) | UL = upper limit |
| N _{tot} = total number of the results | | N _{eva} = number of the results assessed |
| N _{out} = number of the results removed before calculation | | N _{suc} = number of successful results |
| | | S _{rel} = relative success |

| 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 | | | |
| (476) D Dimers (FEU) | [mg/L FEU] | | | | 235 | | | | | | | 224 | 219 | 98 |
| Sample A 26.33 | | 2,68 | 0,97 | 36 | 235 | | | | | | | 224 | 219 | 98 |
| (917) Siemens Innovance D-Dimer | | 3,26 | 0,29 | 8,9 | 120 | 0 | CVPG | 3,22 | 0,034 | 27% | 2,35 | 4,09 | 120 | |
| (929) Mitsubishi Pathfast D-Dimer | | 5 | 0 | 0 | 8 | 0 | CVPG | 5 | | 27% | 3,65 | 6,35 | 8 | |
| (947) Roche Cardiac D-Dimer | | 1,49 | 0,23 | 15 | 16 | 0 | CVPG | 1,46 | 0,12 | 27% | 1,06 | 1,86 | 16 | |
| (958) Stago Liatest D-Dimer Plus | | 1,5 | 0,067 | 4,5 | 36 | 0 | CVPG | 1,49 | 0,014 | 27% | 1,08 | 1,9 | 36 | |
| (976) IL HemosIL D-Dimer HS 500 | | 2,63 | 0,12 | 4,5 | 36 | 0 | CVPG | 2,81 | 0,047 | 27% | 2,05 | 3,57 | 36 | |
| (980) Roche Tinaquant 2nd generation (calibration: citrate plasma) | | 0,826 | 0,097 | 12 | 5 | 0 | CVPG | 0,772 | 0,056 | 27% | 0,563 | 0,981 | 5 | |
| Other | | | | | 14 | 0 | | | | | | | 3 | |
| | | | | | | | | | | | | | | 3x 900, 2x 901, 1x 902, 1x 904, 1x 928, 2x 962, 1x 984, 3x 985 |
| Sample B 26.34 | | 0,846 | 0,27 | 32 | 235 | | | | | | | 224 | 223 | 100 |
| (917) Siemens Innovance D-Dimer | | 0,963 | 0,055 | 5,7 | 120 | 0 | CVPG | 0,947 | 0,008 | 27% | 0,691 | 1,21 | 120 | |
| (929) Mitsubishi Pathfast D-Dimer | | 2,9 | 0,3 | 10 | 8 | 0 | CVPG | 2,86 | 0,13 | 27% | 2,08 | 3,64 | 8 | |
| (947) Roche Cardiac D-Dimer | | 0,4 | 0,048 | 12 | 16 | 0 | CVPG | 0,394 | 0,026 ± 0,189 | | 0,205 | 0,583 | 16 | |
| (958) Stago Liatest D-Dimer Plus | | 0,508 | 0,056 | 11 | 36 | 0 | CVPG | 0,503 | 0,011 ± 0,189 | | 0,314 | 0,692 | 36 | |
| (976) IL HemosIL D-Dimer HS 500 | | 1 | 0,051 | 5 | 36 | 0 | CVPG | 1,02 | 0,011 | 27% | 0,744 | 1,3 | 36 | |
| (980) Roche Tinaquant 2nd generation (calibration: citrate plasma) | | 0,323 | 0,025 | 7,8 | 5 | 0 | CVPG | 0,295 | 0,022 ± 0,189 | | 0,106 | 0,484 | 5 | |
| Other | | | | | 14 | 0 | | | | | | | 3 | |
| | | | | | | | | | | | | | | 3x 900, 2x 901, 1x 902, 1x 904, 1x 928, 2x 962, 1x 984, 3x 985 |
| (477) D Dimers (DDim) | [mg/L D Dimer] | | | | 32 | | | | | | | 23 | 23 | 100 |
| Sample A 26.33 | | 1,04 | 0,21 | 20 | 32 | | | | | | | 23 | 23 | 100 |
| (921) IL HemosIL D-Dimer HS | | 0,92 | 0,032 | 3,4 | 12 | 0 | CVPG | 0,963 | 0,035 | 27% | 0,702 | 1,23 | 12 | |
| (986) Radiometer AQT90 FLEX D-Dimer | | 1,16 | 0,12 | 11 | 11 | 0 | CVPG | 1,19 | 0,067 | 27% | 0,868 | 1,52 | 11 | |
| Other | | | | | 9 | 0 | | | | | | | 0 | |
| | | | | | | | | | | | | | | 1x 904, 1x 905, 1x 920, 3x 947, 1x 985, 2x 999 |
| Sample B 26.34 | | 0,362 | 0,084 | 23 | 32 | | | | | | | 23 | 23 | 100 |
| (921) IL HemosIL D-Dimer HS | | 0,315 | 0,018 | 5,8 | 12 | 0 | CVPG | 0,326 | 0,011 | 27% | 0,237 | 0,415 | 12 | |
| (986) Radiometer AQT90 FLEX D-Dimer | | 0,436 | 0,041 | 9,5 | 11 | 0 | CVPG | 0,445 | 0,025 | 27% | 0,324 | 0,566 | 11 | |
| Other | | | | | 9 | 0 | | | | | | | 0 | |
| | | | | | | | | | | | | | | 1x 904, 1x 905, 1x 920, 3x 947, 1x 985, 2x 999 |