

EQA round: CRP2/24 - C-Reactive Protein

Deadline: 3.5.2024

Setup: groups - M (measurement principle); minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N_{tot} = total number of the resultsN_{out} = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

U_{AV} = expanded uncertainty of the assigned value (k = 2)D_{max} = acceptable difference

LL = lower limit

UL = upper limit

N_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{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 | | | | |
| (100) C-reactive protein | [mg/L] | | | | 183 | | | | | | | 183 | 182 | 99 | |
| Sample A | | 39 | 2 | 5,1 | 183 | | CVP | 39 | 0,36 | 24% | 29,6 | 48,4 | 183 | 183 | 100 |
| (2) Immunoturbidimetry | | 39 | 1,9 | 5 | 174 | 0 | | | | | | | 174 | | |
| Other | | | | | 9 | 0 | | | | | | | 9 | | |
| | | | | | | | 3x 0, 3x 3, 3x 99 | | | | | | | | |
| Sample B | | 45,2 | 2,4 | 5,3 | 183 | | CVP | 45,2 | 0,44 | 24% | 34,3 | 56,1 | 183 | 182 | 99 |
| (2) Immunoturbidimetry | | 45,2 | 2,4 | 5,3 | 174 | 0 | | | | | | | 174 | | |
| Other | | | | | 9 | 0 | | | | | | | 9 | | |
| | | | | | | | 3x 0, 3x 3, 3x 99 | | | | | | | | |