

## EQA round: KD1/25 - Glycated Haemoglobin

Deadline: 24.1.2025

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

RoM = robust average

AV = assigned value

D<sub>max</sub> = acceptable difference

SD = standard deviation

CVP = consensus of all participants

LL = lower limit

CV = coefficient of variation

U<sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)

UL = upper limit

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessedN<sub>out</sub> = number of the results removed before calculationN<sub>suc</sub> = number of successful resultsS<sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability								
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
(220) Haemoglobin A <sub>1c</sub>	[mmol/mol]				164							164	162	99	
<b>Sample A</b>		60,5	2,3	3,8	164		CVP	60,5	0,44	asym.	54	67	164	162	99
(1) HPLC, LC		60,3	2	3,3	140	0							140		
(4) Immunochemical meth.		62,8	2,7	4,3	18	0							18		
(99) Another measurement principle		59	1,5	2,5	5	0							5		
Other					1	0							1		
							1x 2								
<b>Sample B</b>		44,4	1,8	4,1	164		CVP	44,4	0,35	asym.	39	49	164	162	99
(1) HPLC, LC		44,4	1,7	3,9	140	0							140		
(4) Immunochemical meth.		45,2	2	4,5	18	0							18		
(99) Another measurement principle		43	1,5	3,4	5	0							5		
Other					1	0							1		
							1x 2								