

EQA round: KD1/25 - Glycated Haemoglobin

Deadline: 24.1.2025

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

RoM = robust average

AV = assigned value

D_{max} = acceptable difference

SD = standard deviation

CVP = consensus of all participants

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 resultsN_{eva} = number of the results assessedN_{out} = number of the results removed before calculationN_{suc} = number of successful resultsS_{rel} = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability								
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel} [%]	
(220) Haemoglobin A_{1c}	[mmol/mol]				164							164	162	99	
Sample A		60,5	2,3	3,8	164		CVP	60,5	0,44	asym.	54	67	164	162	99
(14) Bio-Rad		61,2	1,8	2,9	41	0							41		
(25) TOSOH		61,1	1,4	2,3	48	0							48		
(60) Roche		63,1	2,1	3,4	12	0							12		
(150) Arkray		58,6	2	3,4	50	0							50		
Other					13	0							13		
								4x 1, 1x 12, 2x 34, 1x 46, 2x 58, 1x 162, 2x 999							
Sample B		44,4	1,8	4,1	164		CVP	44,4	0,35	asym.	39	49	164	162	99
(14) Bio-Rad		45,1	1,4	3,1	41	0							41		
(25) TOSOH		45,2	1,3	2,8	48	0							48		
(60) Roche		45,1	1,8	4	12	0							12		
(150) Arkray		43,1	1,5	3,5	50	0							50		
Other					13	0							13		
								4x 1, 1x 12, 2x 34, 1x 46, 2x 58, 1x 162, 2x 999							