

EQA round: KD4/24 - Glycated Haemoglobin

Deadline: 1.11.2024

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]				184							184	179	97		
Sample A		61,4	2,1	3,5	184		CVP	61,4	0,38	asym.	55	68	184	180	98	
(14) Bio-Rad		61,5	2	3,3	46	0							46			
(25) TOSOH		62,7	1,3	2,1	48	0							48			
(34) Sebia		59	0	0	9	0							9			
(60) Roche		61,5	1,5	2,4	15	0							15			
(150) Arkray		61	2,1	3,5	54	0							54			
Other					12	0							12			
								3x 1, 2x 46, 3x 58, 1x 162, 2x 177, 1x 999								
Sample B		45,5	1,9	4,1	184		CVP	45,5	0,33	asym.	40	51	184	180	98	
(14) Bio-Rad		45	1,5	3,3	46	0							46			
(25) TOSOH		47,1	1	2,2	48	0							48			
(34) Sebia		43,5	0,74	1,7	9	0							9			
(60) Roche		45	1,6	3,5	15	0							15			
(150) Arkray		45,3	1,6	3,6	54	0							54			
Other					12	0							12			
								3x 1, 2x 46, 3x 58, 1x 162, 2x 177, 1x 999								