

## EQA round: KD4/24 - Glycated Haemoglobin

Deadline: 1.11.2024

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 results		N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation		N <sub>suc</sub> = number of successful results
		S <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]				184							184	179	97	
<b>Sample A</b>		61,4	2,1	3,5	184		CVP	61,4	0,38	asym.	55	68	184	180	98
(1) HPLC, LC		61,7	2	3,2	148	0							148		
(2) Capillary electrophoresis		59	0	0	7	0							7		
(4) Immunochemical meth.		60,4	2,7	4,4	24	0							24		
(99) Another measurement principle		59,5	0,74	1,2	5	0							5		
<b>Sample B</b>		45,5	1,9	4,1	184		CVP	45,5	0,33	asym.	40	51	184	180	98
(1) HPLC, LC		45,8	1,7	3,8	148	0							148		
(2) Capillary electrophoresis		43,5	0,74	1,7	7	0							7		
(4) Immunochemical meth.		44,5	2,2	5	24	0							24		
(99) Another measurement principle		44	1,5	3,4	5	0							5		