

## EQA round: KD3/23 - Glycated Haemoglobin

Deadline: 28.7.2023

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

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N<sub>tot</sub> = total number of the resultsN<sub>out</sub> = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

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

LL = lower limit

UL = upper limit

N<sub>eva</sub> = number of the results assessedN<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						N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
(220) Haemoglobin A <sub>1c</sub>	[mmol/mol]				141								137	134	98
<b>Sample A</b>		32,8	1,6	4,8	141								137	135	99
(1) HPLC, LC		32,9	1,5	4,5	121	0	CVP	32,8	0,32	12%	28,8	36,8	121		
(4) Immunochemical meth.		32,7	2	6,2	13	0	CVP	32,8	0,32	12%	28,8	36,8	13		
Other					7	0							3		
							1x 4/162, 3x 99, 3x 99/1								
<b>Sample B</b>		74,5	2,9	3,9	141								137	136	99
(1) HPLC, LC		74,4	2,7	3,6	121	0	CVP	74,6	0,58	12%	65,6	83,6	121		
(4) Immunochemical meth.		77,1	2,4	3,1	13	0	CVP	74,6	0,58	12%	65,6	83,6	13		
Other					7	0							3		
							1x 4/162, 3x 99, 3x 99/1								