

## EQA round: GLC1/24 - Glucose (including glucometers)

Deadline: 23.4.2024

Setup: Slovakia

RoM = robust average	AV = assigned value	D <sub>max</sub> = acceptable difference
SD = standard deviation	CRV = certified reference value	LL = lower limit
CV = coefficient of variation	CVP = consensus of all participants	UL = upper limit
N <sub>tot</sub> = total number of the results	CVPG = consensus of the participants' groups	N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	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					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	Traceability					
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>
<b>(140) Glucose (laboratory systems)</b>	[mmol/L]				14							0						14	14	100
<b>Sample A</b>												0						14	14	100
All results		6,75	0,26	3,9	14	0								CRV	7,006	0,07	15%	5,95	8,06	14
<b>Sample B</b>												0						14	14	100
All results		14,1	0,39	2,8	14	0								CRV	14,64	0,15	15%	12,4	16,9	14
<b>(780) Glucose (Nova POCT)</b>	[mmol/L]				19							19	19	100						0
<b>Sample A</b>												19	19	100						0
All results		6,32	0,41	6,5	19	0	CVP	6,47	0,036	15%	5,49	7,45	19							
<b>Sample B</b>												19	19	100						0
All results		12,7	0,87	6,8	19	0	CVP	12,9	0,077	15%	10,9	14,9	19							
<b>(781) Glucose (Roche POCT)</b>	[mmol/L]				69							69	69	100						0
<b>Sample A</b>												69	69	100						0
(318) Roche Accu-Chek Inform II		7,37	0,38	5,1	69	0	CVPG	7,33	0,02	15%	6,23	8,43	69							
<b>Sample B</b>												69	69	100						0
(318) Roche Accu-Chek Inform II		15,4	0,81	5,2	69	0	CVPG	15,4	0,048	15%	13	17,8	69							