

EQA round: GLC1/19 - Glucose (including glucometers)

Dead line: 25.04.2019

RoM = robust average	AV = assigned value	Dmax = acceptable percent difference
SD = standard deviation	CRV = certified reference value	LL = lower limit
CV = coefficient of variation	RV = reference value	UL = upper limit
Ntot = total number of participants	CVE = consensus value from experts	Neva = number of evaluated participants
Nout = number of results excluded before calculation	CVP = consensus value from all participants	Nsuc = number of successful participants
	CVPG = consensus value from participants groups	Srel = success (relative)
	U _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability						Traceability															
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(140) Glucose (laboratory systems)					10																10	9	90%
Samples and groups	[mmol/L]																						
Sample A		13,0	0,54	4,1	10										CRV	13,51	0,14	15%	11,4	15,6	10	9	90%
All results		13,0	0,54	4,1	10	0															10		
Sample B		4,08	0,25	6,1	10										CRV	4,28	0,043	15%	3,63	4,93	10	10	100%
All results		4,08	0,25	6,1	10	0															10		
(144) Glucose (HemoCue POCT)					10								10	10	100%								0
Samples and groups	[mmol/L]																						
Sample A		16,3	0,17	1,1	10		CVP	16,3	0,13	15%	13,8	18,8	10	10	100%								0
All results		16,3	0,17	1,1	10	0							10										
Sample B		6,29	0,18	2,9	10		CVP	6,21	0,17	15%	5,27	7,15	10	10	100%								0
All results		6,29	0,18	2,9	10	0							10										
(146) Glucose (Roche POCT)					20								20	20	100%								0
Samples and groups	[mmol/L]																						
Sample A		13,5	0,97	7,2	20		CVPG	14,2	0,062	15%	12	16,4	20	20	100%								0
All results		13,5	0,97	7,2	20	0							20										
Sample B		4,25	0,08	2,0	20		CVPG	4,39	0,020	±0,83	3,56	5,22	20	20	100%								0
All results		4,25	0,08	2,0	20	0							20										
(147) Glucose (Nova POCT)					3								3	3	100%								0
Samples and groups	[mmol/L]																						
Sample A		12,4	0,31	2,5	3		CVP	12,2	0,081	15%	10,3	14,1	3	3	100%								0
All results		12,4	0,31	2,5	3	0							3										
Sample B		3,83	0,04	1,2	3		CVP	3,95	0,033	±0,83	3,12	4,78	3	3	100%								0
All results		3,83	0,04	1,2	3	0							3										