

EQA round: HIL2/24 - Serum Indices

Deadline: 1.11.2024

Setup: groups - P (manufacturer of instrument); Slovakia; 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 results		N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
		S _{rel} = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL				
(507) Bilirubin total	[μmol/L]				13							13	13	100	
Sample A		148	14	9,2	13		CVP	158	2,2	20%	126	190	13	13	100
(60) Roche		150	6,7	4,5	6	0							6		
Other					7	0							7		
							3x 1, 3x 58, 1x 162								
Sample B		233	13	5,7	13		CVP	243	3,6	20%	194	292	13	13	100
(60) Roche		231	6,7	2,9	6	0							6		
Other					7	0							7		
							3x 1, 3x 58, 1x 162								
(501) Hemolytic index (quantitative)	[μmol/L]				10							10	10	100	
Sample A		130	6,3	4,9	10		CVP	131	1,6	20%	104	158	10	10	100
(60) Roche		131	9,5	7,2	7	0							7		
Other					3	0							3		
							3x 1								
Sample B		76,1	4,1	5,3	10		CVP	78,2	1,2	20%	62,5	93,9	10	10	100
(60) Roche		77,3	3,3	4,3	7	0							7		
Other					3	0							3		
							3x 1								
(502) Icteric index (quantitative)	[μmol/L]				10							10	10	100	
Sample A		167	19	11	10		CVP	161	4,7	20%	128	194	10	10	100
(60) Roche		180	13	7	7	0							7		
Other					3	0							3		
							3x 1								
Sample B		274	16	5,9	10		CVP	264	5,7	20%	211	317	10	10	100
(60) Roche		283	13	4,5	7	0							7		
Other					3	0							3		
							3x 1								
(503) Lipemic index (quantitative)	[g/L]				10							10	10	100	
Sample A		2,02	0,057	2,8	10		CVP	2,05	0,028	20%	1,64	2,46	10	10	100
(60) Roche		2,04	0,059	2,9	7	0							7		
Other					3	0							3		
							3x 1								
Sample B		3,77	0,3	7,9	10		CVP	3,76	0,079	20%	3	4,52	10	10	100
(60) Roche		3,91	0,13	3,4	7	0							7		
Other					3	0							3		
							3x 1								