

EQA round: HIL1/24 - Serum Indices

Deadline: 19.4.2024

Setup: groups - P (manufacturer of instrument); Slovakia; minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N_{tot} = total number of the resultsN_{out} = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

U_{AV} = expanded uncertainty of the assigned value (k = 2)D_{max} = acceptable difference

LL = lower limit

UL = upper limit

N_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{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]				11								11	10	91
Sample A		235	8,9	3,8	11		CVP	246	3,9	20%	196	296	11	11	100
(60) Roche		232	8,2	3,5	6	0							6		
Other					5	0							5		
								1x 1, 3x 58, 1x 162							
Sample B		149	19	13	11		CVP	159	2,3	20%	127	191	11	10	91
(60) Roche		159	8,2	5,1	6	0							6		
Other					5	0							5		
								1x 1, 3x 58, 1x 162							
(501) Hemolytic index (quantitative)	[μmol/L]				9								9	8	89
Sample A		77,9	7,6	9,8	9		CVP	79,2	1,1	20%	63,3	95,1	9	8	89
(60) Roche		80,9	3,2	3,9	7	0							7		
Other					2	1							2		
								2x 1							
Sample B		132	10	7,9	9		CVP	132	1,5	20%	105	159	9	8	89
(60) Roche		136	5,2	3,8	7	0							7		
Other					2	1							2		
								2x 1							
(502) Icteric index (quantitative)	[μmol/L]				9								9	9	100
Sample A		291	0	0	9		CVP	268	6,5	20%	214	322	9	9	100
(60) Roche		291	0	0	7	0							7		
Other					2	0							2		
								2x 1							
Sample B		180	13	7	9		CVP	164	5	20%	131	197	9	9	100
(60) Roche		188	0	0	7	0							7		
Other					2	0							2		
								2x 1							
(503) Lipemic index (quantitative)	[g/L]				9								9	8	89
Sample A		3,77	0,35	9,3	9		CVP	3,76	0,075	20%	3	4,52	9	8	89
(60) Roche		3,77	0,35	9,3	7	0							7		
Other					2	1							2		
								2x 1							
Sample B		2,06	0,089	4,3	9		CVP	2,07	0,03	20%	1,65	2,49	9	8	89
(60) Roche		2,06	0,089	4,3	7	0							7		
Other					2	1							2		
								2x 1							