

## EQA round: HIL1/25 - Serum Indices

Deadline: 18.4.2025

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

RoM = robust average

AV = assigned value

D<sub>max</sub> = acceptable difference

SD = standard deviation

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

LL = lower limit

CV = coefficient of variation

UL = upper limit

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessedN<sub>out</sub> = number of the results removed before calculationN<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				
<b>(507) Bilirubin total</b>	[μmol/L]				12							12	12	100	
<b>Sample A</b>		351	87	25	12		CVP	385	15	42%	223	547	12	12	100
Other					12	0		4x 1, 3x 58, 4x 60, 1x 162					12		
<b>Sample B</b>		234	13	5,6	12		CVP	241	3,3	20%	192	290	12	12	100
Other					12	0		4x 1, 3x 58, 4x 60, 1x 162					12		
<b>(501) Hemolytic index (quantitative)</b>	[μmol/L]				7								7	6	86
<b>Sample A</b>		23,9	6	25	7		CVP	25,9	1,1	40%	15,5	36,3	7	6	86
Other					7	0		3x 1, 4x 60					7		
<b>Sample B</b>		74,8	6,9	9,2	7		CVP	78,5	1,1	20%	62,8	94,2	7	7	100
Other					7	0		3x 1, 4x 60					7		
<b>(502) Icteric index (quantitative)</b>	[μmol/L]				7								7	6	86
<b>Sample A</b>		425	47	11	7		CVP	410	11	24%	311	509	7	6	86
Other					7	0		3x 1, 4x 60					7		
<b>Sample B</b>		274	26	9,3	7		CVP	264	5,5	20%	211	317	7	7	100
Other					7	0		3x 1, 4x 60					7		
<b>(503) Lipemic index (quantitative)</b>	[g/L]				7								7	7	100
<b>Sample A</b>		4,81	0,3	6,2	7		CVP	4,83	0,085	20%	3,86	5,8	7	7	100
Other					7	0		3x 1, 4x 60					7		
<b>Sample B</b>		3,72	0,42	11	7		CVP	3,78	0,079	20%	3,02	4,54	7	7	100
Other					7	0		3x 1, 4x 60					7		