

## EQA round: HIL1/26 - Serum Indices

Deadline: 17.4.2026

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

RoM = robust average	AV = assigned value	D <sub>max</sub> = acceptable difference
SD = standard deviation	CVP = consensus of all participants	LL = lower limit
CV = coefficient of variation	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N <sub>tot</sub> = total number of the results		N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation		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> [%]	
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
<b>(507) Bilirubin total</b>	[μmol/L]				187							187	185	99	
<b>Sample A</b>		157	14	9	187		CVP	157	2,5	20%	125	189	187	186	99
(1) Abbott		170	4,8	2,8	61	0							61		
(58) Beckman Coulter (AU)		144	9,9	6,9	15	0							15		
(60) Roche		145	4,1	2,8	75	0							75		
(162) Siemens (Atellica)		164	4	2,4	32	0							32		
Other					4	0							4		
								1x 12, 1x 149, 1x 177, 1x 179							
<b>Sample B</b>		449	33	7,3	187		CVP	449	5,8	20%	359	539	187	185	99
(1) Abbott		467	23	4,8	61	0							61		
(58) Beckman Coulter (AU)		463	23	5	15	0							15		
(60) Roche		420	13	3,1	75	0							75		
(162) Siemens (Atellica)		474	12	2,5	32	0							32		
Other					4	0							4		
								1x 12, 1x 149, 1x 177, 1x 179							
<b>(501) Hemolytic index (quantitative)</b>	[μmol/L]				143							143	132	92	
<b>Sample A</b>		141	7	5	143		CVP	141	1,4	20%	112	170	143	141	99
(1) Abbott		144	3,9	2,7	45	1							45		
(60) Roche		140	7,9	5,6	79	0							79		
(162) Siemens (Atellica)		137	7,2	5,2	19	0							19		
<b>Sample B</b>		32,6	4,5	14	143		CVP	32,6	0,92	28%	23,4	41,8	143	132	92
(1) Abbott		29,7	1,4	4,7	45	1							45		
(60) Roche		33,2	4,4	13	79	0							79		
(162) Siemens (Atellica)		38,7	5,5	14	19	0							19		
<b>(502) Icteric index (quantitative)</b>	[μmol/L]				143							143	139	97	
<b>Sample A</b>		156	23	15	143		CVP	156	4,8	30%	109	203	143	140	98
(1) Abbott		127	11	8,6	45	0							45		
(60) Roche		171	0,003	0	79	0							79		
(162) Siemens (Atellica)		153	6,5	4,2	19	0							19		
<b>Sample B</b>		493	33	6,8	143		CVP	493	6,8	20%	394	592	143	141	99
(1) Abbott		476	22	4,6	45	0							45		
(60) Roche		513	20	3,8	79	0							79		
(162) Siemens (Atellica)		453	22	4,8	19	0							19		
<b>(503) Lipemic index (quantitative)</b>	[g/L]				143							143	135	94	
<b>Sample A</b>		1,47	0,073	4,9	143		CVP	1,47	0,015	20%	1,17	1,77	143	138	97
(1) Abbott		1,4	0,095	6,7	45	0							45		
(60) Roche		1,48	0,06	4	79	0							79		
(162) Siemens (Atellica)		1,53	0,074	4,9	19	0							19		
<b>Sample B</b>		4,47	0,43	9,7	143		CVP	4,47	0,089	20%	3,57	5,37	143	139	97
(1) Abbott		4,06	0,35	8,6	45	0							45		
(60) Roche		4,6	0,34	7,5	79	0							79		
(162) Siemens (Atellica)		4,82	0,29	6,1	19	0							19		