

EQA round: HIL1/23 - Serum Indices

Deadline: 21.4.2023

Setup: all data

AV = assigned value

N_{tot} = total number of the resultsN_{eva} = number of the results assessed

CVP = consensus of all participants

N_{rel} = relative number of the resultsN_{suc} = number of successful results

CVPG = consensus of the participants' groups

S_{rel} = relative success

>>> ... expected result

> ... acceptable result

± ... result not assessed

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(504) Hemolytic index (qualitative)		62			59	57	97
Sample A		62			59	57	97
All results (without individual groups)	±	1	1,6	Index 2			
	±	2	3,2	Index 4			
(4) Ordinal scale: 0 - 4	>	1	1,6	Index 2			
	CVPG >>>	32	52	Index 3			
(5) Ordinal scale: 0 - 5	>	1	1,6	Index 2			
	CVPG >>>	14	23	Index 3			
(6) Ordinal scale: 0 - 6	CVPG >>>	9	15	Index 2			
		2	3,2	Index 5			
Sample B		62			59	57	97
All results (without individual groups)	±	1	1,6	Index 2			
	±	2	3,2	Index 4			
(4) Ordinal scale: 0 - 4	CVPG >>>	33	53	Index 2			
(5) Ordinal scale: 0 - 5	CVPG >>>	12	19	Index 1			
	>	3	4,8	Index 2			
(6) Ordinal scale: 0 - 6	>	2	3,2	Index 1			
	CVPG >>>	7	11	Index 2			
		2	3,2	Index 4			
(505) Icteric index (qualitative)		62			58	58	100
Sample A		62			58	58	100
All results (without individual groups)	±	1	1,6	Index 2			
	±	3	4,8	Index 3			
(4) Ordinal scale: 0 - 4	CVPG >>>	31	50	Index 2			
	>	1	1,6	Index 3			
(5) Ordinal scale: 0 - 5	CVPG >>>	10	16	Index 2			
	>	5	8,1	Index 3			
(6) Ordinal scale: 0 - 6	CVPG >>>	11	18	Index 1			
Sample B		62			58	58	100
All results (without individual groups)	±	2	3,2	Index 3			
	±	2	3,2	Index 4			
(4) Ordinal scale: 0 - 4	>	1	1,6	Index 2			
	CVPG >>>	30	48	Index 3			
	>	1	1,6	Index 4			
(5) Ordinal scale: 0 - 5	CVPG >>>	9	15	Index 2			
	>	6	9,7	Index 3			
(6) Ordinal scale: 0 - 6	>	2	3,2	Index 1			
	CVPG >>>	9	15	Index 2			
(506) Lipemic index (qualitative)		65			61	59	97
Sample A		65			61	61	100
All results (without individual groups)	±	1	1,5	Index 2			
	±	3	4,6	Index 3			
(4) Ordinal scale: 0 - 4	>	1	1,5	Index 2			
	CVPG >>>	34	52	Index 3			
(5) Ordinal scale: 0 - 5	CVPG >>>	11	17	Index 2			
	>	4	6,2	Index 3			
(6) Ordinal scale: 0 - 6	CVPG >>>	10	15	Index 1			
	>	1	1,5	Index 2			
Sample B		65			61	59	97
All results (without individual groups)	±	2	3,1	Index 3			
	±	2	3,1	Index 4			
(4) Ordinal scale: 0 - 4	>	1	1,5	Index 3			
	CVPG >>>	34	52	Index 4			
(5) Ordinal scale: 0 - 5	CVPG >>>	9	14	Index 2			
	>	4	6,2	Index 3			
		2	3,1	Index 4			
(6) Ordinal scale: 0 - 6	CVPG >>>	11	17	Index 2			
(510) Task 1: Determination of total cholesterol is required. Will you release the result?		117			0		
Sample A		117			0		
All results	±	9	7,7	No (shall explain in a comment)			
	±	31	26	Yes, but with a comment			

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Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
	±	3	2,6	Yes, but after modifying the sample and/or correcting the result			
	±	2	1,7	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	72	62	Yes			
Sample B		117				0	
All results	±	35	30	No (shall explain in a comment)			
	±	45	38	Yes, but with a comment			
	±	3	2,6	Yes, but after modifying the sample and/or correcting the result			
	±	2	1,7	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	32	27	Yes			
(511) Task 2: Determination of potassium cation is required. Will you release the result?		119				0	
Sample A		119				0	
All results	±	107	90	No (shall explain in a comment)			
	±	9	7,6	Yes, but with a comment			
	±	3	2,5	Yes			
Sample B		119				0	
All results	±	87	73	No (shall explain in a comment)			
	±	26	22	Yes, but with a comment			
	±	3	2,5	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	3	2,5	Yes			
(512) Task 3: Alanine aminotransferase (ALT) determination is required. Will you release the result?		119				0	
Sample A		119				0	
All results	±	38	32	No (shall explain in a comment)			
	±	34	29	Yes, but with a comment			
	±	1	0,8	Yes, but after modifying the sample and/or correcting the result			
	±	6	5	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	40	34	Yes			
Sample B		119				0	
All results	±	31	26	No (shall explain in a comment)			
	±	33	28	Yes, but with a comment			
	±	1	0,8	Yes, but after modifying the sample and/or correcting the result			
	±	17	14	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	37	31	Yes			