

EQA round: HIL1/24 - Serum Indices

Deadline: 19.4.2024

Setup: all data

AV = assigned value

CVPG = consensus of the participants' groups

CVP = consensus of all participants

>>> ... expected result

> ... acceptable result

± ... result not assessed

N_{tot} = total number of the resultsN_{rel} = relative number of the resultsN_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{rel} = relative success

Test Sample Group	Frequency of the results			Success		
	AV	N _{tot}	N _{rel} Result [%]	N _{eva}	N _{suc}	S _{rel} [%]
(504) Hemolytic index (qualitative)		76		76	76	100
Sample A		76		76	76	100
(4) Ordinal scale: 0 - 4	>	1	1,3 Index 1			
	CVPG >>>	38	50 Index 2			
(5) Ordinal scale: 0 - 5	>	16	21 Index 1			
	CVPG >>>	3	3,9 Index 2			
(6) Ordinal scale: 0 - 6	>	16	21 Index 2			
	>	2	2,6 Index 3			
Sample B		76		76	76	100
(4) Ordinal scale: 0 - 4	>	2	2,6 Index 2			
	CVPG >>>	37	49 Index 3			
(5) Ordinal scale: 0 - 5	>	3	3,9 Index 2			
	CVPG >>>	15	20 Index 3			
	>	1	1,3 Index 4			
(6) Ordinal scale: 0 - 6	>	15	20 Index 2			
	CVPG >>>	3	3,9 Index 3			
(505) Icteric index (qualitative)		76		76	76	100
Sample A		76		76	76	100
(4) Ordinal scale: 0 - 4	CVPG >>>	38	50 Index 3			
	>	1	1,3 Index 4			
(5) Ordinal scale: 0 - 5	CVPG >>>	16	21 Index 2			
	>	3	3,9 Index 3			
(6) Ordinal scale: 0 - 6	>	3	3,9 Index 1			
	CVPG >>>	15	20 Index 2			
Sample B		76		76	76	100
(4) Ordinal scale: 0 - 4	CVPG >>>	38	50 Index 2			
	>	1	1,3 Index 3			
(5) Ordinal scale: 0 - 5	>	3	3,9 Index 1			
	CVPG >>>	14	18 Index 2			
	>	2	2,6 Index 3			
(6) Ordinal scale: 0 - 6	CVPG >>>	16	21 Index 1			
	>	2	2,6 Index 2			
(506) Lipemic index (qualitative)		79		79	78	99
Sample A		79		79	78	99
(4) Ordinal scale: 0 - 4	>	1	1,3 Index 3			
	CVPG >>>	41	52 Index 4			
(5) Ordinal scale: 0 - 5	CVPG >>>	17	22 Index 2			
	>	1	1,3 Index 3			
		1	1,3 Index 4			
(6) Ordinal scale: 0 - 6	>	1	1,3 Index 1			
	CVPG >>>	17	22 Index 2			
Sample B		79		79	79	100
(4) Ordinal scale: 0 - 4	>	1	1,3 Index 2			
	CVPG >>>	40	51 Index 3			
	>	1	1,3 Index 4			
(5) Ordinal scale: 0 - 5	>	3	3,8 Index 1			
	CVPG >>>	14	18 Index 2			
	>	2	2,5 Index 3			
(6) Ordinal scale: 0 - 6	CVPG >>>	15	19 Index 1			
	>	3	3,8 Index 2			
(510) Task 1: Determination of total magnesium is required. Will you release the result?		145		0		
Sample A		145		0		
All results	±	16	11 No (shall explain in a comment)			
	±	37	26 Yes, but with a comment			
	±	4	2,8 Yes, but after modifying the sample and/or correcting the result			
	±	5	3,4 Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	83	57 Yes			
Sample B		145		0		
All results	±	26	18 No (shall explain in 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} [%]
	±	28	19	Yes, but with a comment			
	±	2	1,4	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	89	61	Yes			
(511) Task 2: Alanine aminotransferase (ALT) determination is required. Will you release the result?							0
Sample A		146					0
All results	±	43	29	No (shall explain in a comment)			
	±	38	26	Yes, but with a comment			
	±	9	6,2	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	56	38	Yes			
Sample B		146					0
All results	±	52	36	No (shall explain in a comment)			
	±	33	23	Yes, but with a comment			
	±	5	3,4	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	56	38	Yes			
(512) Task 3: Determination of direct bilirubin is required. Can you give me the result?							0
Sample A		145					0
All results	±	85	59	No (shall explain in a comment)			
	±	37	26	Yes, but with a comment			
	±	4	2,8	Yes, but after modifying the sample and/or correcting the result and with a comment			
	±	19	13	Yes			
Sample B		145					0
All results	±	91	63	No (shall explain in a comment)			
	±	34	23	Yes, but with a comment			
	±	20	14	Yes			