

EQA round: APLA1/23 - Antiphospholipid Antibodies

Deadline: 17.3.2023

Setup: groups - manufacturer of kit

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

>>> ... expected result

S_{rel} = relative success

> ... 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} [%]	
(465) anti-β2-glycoprotein 1 screening		13			13	13	100	
Sample A		13			13	13	100	
(5) Dialab	CVP >>>	1	7,7	Positive				
(38) IL	CVP >>>	1	7,7	Positive				
(49) BioVendor	CVP >>>	1	7,7	Positive				
(135) OrgenTec	CVP >>>	8	62	Positive				
(148) Aesku.lab Diagnostika	CVP >>>	2	15	Positive				
Sample B		13			13	13	100	
(5) Dialab	CVP >>>	1	7,7	Positive				
(38) IL	CVP >>>	1	7,7	Positive				
(49) BioVendor	CVP >>>	1	7,7	Positive				
(135) OrgenTec	CVP >>>	8	62	Positive				
(148) Aesku.lab Diagnostika	CVP >>>	2	15	Positive				
(467) anti-β2-glycoprotein 1 IgG		61			61	61	100	
Sample A		61			61	61	100	
(14) Bio-Rad	CVP >>>	1	1,6	Positive				
(32) Human	CVP >>>	1	1,6	Positive				
(38) IL	CVP >>>	4	6,6	Positive				
(49) BioVendor	CVP >>>	1	1,6	Positive				
(87) Euroimmun	CVP >>>	7	11	Positive				
(135) OrgenTec	CVP >>>	21	34	Positive				
(139) BL Diagnostics	CVP >>>	1	1,6	Positive				
(148) Aesku.lab Diagnostika	CVP >>>	3	4,9	Positive				
(166) Thermo Fisher	CVP >>>	5	8,2	Positive				
(183) Immunodiagnostic Systems	CVP >>>	1	1,6	Positive				
(211) INOVA Diagnostics	CVP >>>	13	21	Positive				
(999) another manufacturer	CVP >>>	3	4,9	Positive				
Sample B		61			61	61	100	
(14) Bio-Rad	CVP >>>	1	1,6	Positive				
(32) Human	CVP >>>	1	1,6	Positive				
(38) IL	CVP >>>	4	6,6	Positive				
(49) BioVendor	CVP >>>	1	1,6	Positive				
(87) Euroimmun	CVP >>>	7	11	Positive				
(135) OrgenTec	CVP >>>	21	34	Positive				
(139) BL Diagnostics	CVP >>>	1	1,6	Positive				
(148) Aesku.lab Diagnostika	CVP >>>	3	4,9	Positive				
(166) Thermo Fisher	CVP >>>	5	8,2	Positive				
(183) Immunodiagnostic Systems	CVP >>>	1	1,6	Positive				
(211) INOVA Diagnostics	CVP >>>	13	21	Positive				
(999) another manufacturer	CVP >>>	3	4,9	Positive				
(468) anti-β2-glycoprotein 1 IgM		60			60	59	98	
Sample A		60			0			
(14) Bio-Rad	±	1	1,7	Negative				
(32) Human	±	1	1,7	Negative				
(38) IL	±	4	6,7	Negative				
(49) BioVendor	±	1	1,7	Negative				
(87) Euroimmun	±	6	10	Positive				
(135) OrgenTec	±	16	27	Negative				
	±	5	8,3	Inconclusive result (borderline)				
(139) BL Diagnostics	±	1	1,7	Inconclusive result (borderline)				
(148) Aesku.lab Diagnostika	±	3	5	Negative				
(166) Thermo Fisher	±	5	8,3	Negative				
(183) Immunodiagnostic Systems	±	1	1,7	Negative				
(211) INOVA Diagnostics	±	12	20	Negative				
	±	1	1,7	Positive				
(999) another manufacturer	±	2	3,3	Negative				
	±	1	1,7	Positive				
Sample B		60			60	59	98	
(14) Bio-Rad	CVP >>>	1	1,7	Negative				
(32) Human	CVP >>>	1	1,7	Negative				
(38) IL	CVP >>>	4	6,7	Negative				
(49) BioVendor	CVP >>>	1	1,7	Negative				
(87) Euroimmun	CVP >>>	5	8,3	Negative				
		1	1,7	Positive				

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					N _{eva}	N _{suc}	S _{rel} [%]
(135) OrgenTec	CVP >>>	21	35	Negative			
(139) BL Diagnostics	CVP >>>	1	1,7	Negative			
(148) Aesku.lab Diagnostika	CVP >>>	3	5	Negative			
(166) Thermo Fisher	CVP >>>	5	8,3	Negative			
(183) Immunodiagnostic Systems	CVP >>>	1	1,7	Negative			
(211) INOVA Diagnostics	CVP >>>	13	22	Negative			
(999) another manufacturer	CVP >>>	3	5	Negative			
(461) anti-cardiolipin screening		16			16	16	100
Sample A		16			16	16	100
(38) IL	CVP >>>	1	6,3	Positive			
(135) OrgenTec	CVP >>>	12	75	Positive			
(148) Aesku.lab Diagnostika	CVP >>>	3	19	Positive			
Sample B		16			16	16	100
(38) IL	CVP >>>	1	6,3	Positive			
(135) OrgenTec	CVP >>>	12	75	Positive			
(148) Aesku.lab Diagnostika	CVP >>>	3	19	Positive			
(463) anti-cardiolipin IgG		65			65	65	100
Sample A		65			0		
(5) Dialab	±	1	1,5	Positive			
(14) Bio-Rad	±	1	1,5	Positive			
(32) Human	±	1	1,5	Negative			
(38) IL	±	4	6,2	Positive			
(49) BioVendor	±	2	3,1	Positive			
(87) Euroimmun	±	4	6,2	Negative			
	±	1	1,5	Inconclusive result (borderline)			
	±	2	3,1	Positive			
(115) BioSystems	±	1	1,5	Positive			
(135) OrgenTec	±	19	29	Positive			
(139) BL Diagnostics	±	1	1,5	Positive			
(148) Aesku.lab Diagnostika	±	4	6,2	Positive			
(166) Thermo Fisher	±	5	7,7	Negative			
	±	1	1,5	Positive			
(183) Immunodiagnostic Systems	±	2	3,1	Positive			
(211) INOVA Diagnostics	±	13	20	Positive			
(999) another manufacturer	±	2	3,1	Negative			
	±	1	1,5	Positive			
Sample B		65			65	65	100
(5) Dialab	CVP >>>	1	1,5	Positive			
(14) Bio-Rad	CVP >>>	1	1,5	Positive			
(32) Human	CVP >>>	1	1,5	Positive			
(38) IL	CVP >>>	4	6,2	Positive			
(49) BioVendor	CVP >>>	2	3,1	Positive			
(87) Euroimmun	CVP >>>	7	11	Positive			
(115) BioSystems	CVP >>>	1	1,5	Positive			
(135) OrgenTec	CVP >>>	19	29	Positive			
(139) BL Diagnostics	CVP >>>	1	1,5	Positive			
(148) Aesku.lab Diagnostika	CVP >>>	4	6,2	Positive			
(166) Thermo Fisher	CVP >>>	6	9,2	Positive			
(183) Immunodiagnostic Systems	CVP >>>	2	3,1	Positive			
(211) INOVA Diagnostics	CVP >>>	13	20	Positive			
(999) another manufacturer	CVP >>>	3	4,6	Positive			
(464) anti-cardiolipin IgM		64			64	59	92
Sample A		64			64	59	92
(5) Dialab	CVP >>>	1	1,6	Negative			
(14) Bio-Rad	CVP >>>	1	1,6	Negative			
(32) Human	>	1	1,6	Inconclusive result (borderline)			
(38) IL	CVP >>>	3	4,7	Negative			
	>	1	1,6	Inconclusive result (borderline)			
(49) BioVendor	CVP >>>	2	3,1	Negative			
(87) Euroimmun	CVP >>>	7	11	Negative			
(115) BioSystems	CVP >>>	1	1,6	Negative			
(135) OrgenTec	CVP >>>	15	23	Negative			
	>	3	4,7	Inconclusive result (borderline)			
		1	1,6	Positive			
(139) BL Diagnostics	CVP >>>	1	1,6	Negative			
(148) Aesku.lab Diagnostika	CVP >>>	4	6,3	Negative			
(166) Thermo Fisher	>	4	6,3	Inconclusive result (borderline)			
		2	3,1	Positive			
(183) Immunodiagnostic Systems	CVP >>>	2	3,1	Negative			

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			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(211) INOVA Diagnostics	CVP >>>	12	19	Negative			
(999) another manufacturer	>	1	1,6	Inconclusive result (borderline)			
		2	3,1	Positive			
Sample B		64			64	64	100
(5) Dialab	CVP >>>	1	1,6	Negative			
(14) Bio-Rad	CVP >>>	1	1,6	Negative			
(32) Human	CVP >>>	1	1,6	Negative			
(38) IL	CVP >>>	4	6,3	Negative			
(49) BioVendor	CVP >>>	2	3,1	Negative			
(87) Euroimmun	CVP >>>	7	11	Negative			
(115) BioSystems	CVP >>>	1	1,6	Negative			
(135) OrgenTec	CVP >>>	19	30	Negative			
(139) BL Diagnostics	CVP >>>	1	1,6	Negative			
(148) Aesku.lab Diagnostika	CVP >>>	4	6,3	Negative			
(166) Thermo Fisher	CVP >>>	6	9,4	Negative			
(183) Immunodiagnostic Systems	CVP >>>	2	3,1	Negative			
(211) INOVA Diagnostics	CVP >>>	12	19	Negative			
(999) another manufacturer	CVP >>>	3	4,7	Negative			