

EQA round: RF2/23 - Diagnostics of Rheumatoid Arthritis and ASLO

Deadline: 29.9.2023

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} [%]	
(277) anti-CCP IgG		82			82	82	100	
Sample A1		82			82	82	100	
(1) Abbott	CVP >>>	20	24	Negative				
(14) Bio-Rad	CVP >>>	1	1,2	Negative				
(29) Siemens (Immulin)	CVP >>>	5	6,1	Negative				
(60) Roche	CVP >>>	12	15	Negative				
(66) DRG	CVP >>>	1	1,2	Negative				
(73) Snibe	CVP >>>	1	1,2	Negative				
(87) Euroimmun	CVP >>>	8	9,8	Negative				
(135) OrgenTec	CVP >>>	3	3,7	Negative				
(140) TestLine	CVP >>>	9	11	Negative				
(147) AIDA	CVP >>>	1	1,2	Negative				
(148) Aesku.lab Diagnostika	CVP >>>	2	2,4	Negative				
(162) Siemens (Atellica)	CVP >>>	3	3,7	Negative				
(166) Thermo Fisher	CVP >>>	7	8,5	Negative				
(179) Siemens	CVP >>>	1	1,2	Negative				
(211) INOVA Diagnostics	CVP >>>	5	6,1	Negative				
(999) another manufacturer	CVP >>>	3	3,7	Negative				
Sample B1		82			82	82	100	
(1) Abbott	CVP >>>	20	24	Positive				
(14) Bio-Rad	CVP >>>	1	1,2	Positive				
(29) Siemens (Immulin)	CVP >>>	5	6,1	Positive				
(60) Roche	CVP >>>	12	15	Positive				
(66) DRG	CVP >>>	1	1,2	Positive				
(73) Snibe	CVP >>>	1	1,2	Positive				
(87) Euroimmun	CVP >>>	8	9,8	Positive				
(135) OrgenTec	CVP >>>	3	3,7	Positive				
(140) TestLine	CVP >>>	9	11	Positive				
(147) AIDA	CVP >>>	1	1,2	Positive				
(148) Aesku.lab Diagnostika	CVP >>>	2	2,4	Positive				
(162) Siemens (Atellica)	CVP >>>	3	3,7	Positive				
(166) Thermo Fisher	CVP >>>	7	8,5	Positive				
(179) Siemens	CVP >>>	1	1,2	Positive				
(211) INOVA Diagnostics	CVP >>>	5	6,1	Positive				
(999) another manufacturer	CVP >>>	3	3,7	Positive				
(282) anti-MCV		23			23	23	100	
Sample A1		23			23	23	100	
(135) OrgenTec	CVP >>>	22	96	Negative				
(166) Thermo Fisher	CVP >>>	1	4,3	Negative				
Sample B1		23			23	23	100	
(135) OrgenTec	CVP >>>	22	96	Positive				
(166) Thermo Fisher	CVP >>>	1	4,3	Positive				
(231) Rheumat. fac. (scr)		169			169	167	99	
Sample A1		169			169	167	99	
(1) Abbott	CVP >>>	38	22	Negative				
(12) Beckman Coulter	CVP >>>	5	3	Negative				
(58) Beckman Coulter (AU)	CVP >>>	25	15	Negative				
		1	0,6	Positive				
(60) Roche	CVP >>>	49	29	Negative				
(70) Wako	CVP >>>	1	0,6	Negative				
(91) Binding Site	CVP >>>	3	1,8	Negative				
(115) BioSystems	CVP >>>	3	1,8	Negative				
(116) Sentinel Diagnostics	CVP >>>	2	1,2	Negative				
(148) Aesku.lab Diagnostika	CVP >>>	2	1,2	Negative				
(149) Siemens (Dade, BN, Dimension)	CVP >>>	10	5,9	Negative				
(162) Siemens (Atellica)	CVP >>>	13	7,7	Negative				
(177) Mindray	CVP >>>	5	3	Negative				
(178) DiaSys	CVP >>>	2	1,2	Negative				
		1	0,6	Inconclusive result (borderline)				
(179) Siemens	CVP >>>	8	4,7	Negative				
(999) another manufacturer	CVP >>>	1	0,6	Negative				
Sample B1		169			169	169	100	
(1) Abbott	CVP >>>	38	22	Positive				
(12) Beckman Coulter	CVP >>>	5	3	Positive				

Setup: groups - manufacturer of kit

Test Sample Group	AV	N _{tot}	N _{rel} [%]	Frequency of the results Result	Success		
					N _{eva}	N _{suc}	S _{rel} [%]
(58) Beckman Coulter (AU)	CVP >>>	26	15	Positive			
(60) Roche	CVP >>>	49	29	Positive			
(70) Wako	CVP >>>	1	0,6	Positive			
(91) Binding Site	CVP >>>	3	1,8	Positive			
(115) BioSystems	CVP >>>	3	1,8	Positive			
(116) Sentinel Diagnostics	CVP >>>	2	1,2	Positive			
(148) Aesku.lab Diagnostika	CVP >>>	2	1,2	Positive			
(149) Siemens (Dade, BN, Dimension)	CVP >>>	10	5,9	Positive			
(162) Siemens (Atellica)	CVP >>>	13	7,7	Positive			
(177) Mindray	CVP >>>	5	3	Positive			
(178) DiaSys	CVP >>>	3	1,8	Positive			
(179) Siemens	CVP >>>	8	4,7	Positive			
(999) another manufacturer	CVP >>>	1	0,6	Positive			
(234) Rheumat. factor IgA		47			47	47	100
Sample A1		47			47	47	100
(5) Dialab	CVP >>>	1	2,1	Negative			
(135) OrgenTec	CVP >>>	12	26	Negative			
(140) TestLine	CVP >>>	21	45	Negative			
(147) AIDA	CVP >>>	2	4,3	Negative			
(148) Aesku.lab Diagnostika	CVP >>>	4	8,5	Negative			
(166) Thermo Fisher	CVP >>>	6	13	Negative			
(211) INOVA Diagnostics	CVP >>>	1	2,1	Negative			
Sample B1		47			47	47	100
(5) Dialab	CVP >>>	1	2,1	Positive			
(135) OrgenTec	CVP >>>	12	26	Positive			
(140) TestLine	CVP >>>	21	45	Positive			
(147) AIDA	CVP >>>	2	4,3	Positive			
(148) Aesku.lab Diagnostika	CVP >>>	4	8,5	Positive			
(166) Thermo Fisher	CVP >>>	6	13	Positive			
(211) INOVA Diagnostics	CVP >>>	1	2,1	Positive			
(233) Rheumat. factor IgG		48			48	45	94
Sample A1		48			48	48	100
(1) Abbott	CVP >>>	1	2,1	Negative			
(5) Dialab	CVP >>>	1	2,1	Negative			
(58) Beckman Coulter (AU)	CVP >>>	1	2,1	Negative			
(135) OrgenTec	CVP >>>	12	25	Negative			
(140) TestLine	CVP >>>	21	44	Negative			
(147) AIDA	CVP >>>	2	4,2	Negative			
(148) Aesku.lab Diagnostika	CVP >>>	4	8,3	Negative			
(166) Thermo Fisher	CVP >>>	5	10	Negative			
(211) INOVA Diagnostics	CVP >>>	1	2,1	Negative			
Sample B1		48			48	45	94
(1) Abbott	CVP >>>	1	2,1	Positive			
(5) Dialab	CVP >>>	1	2,1	Positive			
(58) Beckman Coulter (AU)	CVP >>>	1	2,1	Positive			
(135) OrgenTec	CVP >>>	12	25	Positive			
(140) TestLine	CVP >>>	21	44	Positive			
(147) AIDA	CVP >>>	2	4,2	Positive			
(148) Aesku.lab Diagnostika	CVP >>>	4	8,3	Positive			
(166) Thermo Fisher	CVP >>>	3	6,3	Negative			
	CVP >>>	2	4,2	Positive			
(211) INOVA Diagnostics	CVP >>>	1	2,1	Positive			
(235) Rheumat. factor IgM		47			47	47	100
Sample A1		47			47	47	100
(5) Dialab	CVP >>>	1	2,1	Negative			
(135) OrgenTec	CVP >>>	12	26	Negative			
(140) TestLine	CVP >>>	21	45	Negative			
(147) AIDA	CVP >>>	2	4,3	Negative			
(148) Aesku.lab Diagnostika	CVP >>>	4	8,5	Negative			
(166) Thermo Fisher	CVP >>>	6	13	Negative			
(211) INOVA Diagnostics	CVP >>>	1	2,1	Negative			
Sample B1		47			47	47	100
(5) Dialab	CVP >>>	1	2,1	Positive			
(135) OrgenTec	CVP >>>	12	26	Positive			
(140) TestLine	CVP >>>	21	45	Positive			
(147) AIDA	CVP >>>	2	4,3	Positive			
(148) Aesku.lab Diagnostika	CVP >>>	4	8,5	Positive			
(166) Thermo Fisher	CVP >>>	6	13	Positive			
(211) INOVA Diagnostics	CVP >>>	1	2,1	Positive			