

EQA round: AT2/23 - Autoantibodies in Thyroid Diseases

Deadline: 30.10.2023

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} [%]	

Set 1

(576) anti-microsomes (TPO)		195				195	195	100
Sample A1		195				195	195	100
(1) Abbott	CVP >>>	66	34	Positive				
(12) Beckman Coulter	CVP >>>	19	9,7	Positive				
(15) bioMérieux	CVP >>>	1	0,5	Positive				
(25) TOSOH	CVP >>>	3	1,5	Positive				
(29) Siemens (Immulin)	CVP >>>	9	4,6	Positive				
(52) Dynex	CVP >>>	1	0,5	Positive				
(60) Roche	CVP >>>	64	33	Positive				
(135) OrgenTec	CVP >>>	1	0,5	Positive				
(148) Aesku.lab Diagnostika	CVP >>>	1	0,5	Positive				
(162) Siemens (Atellica)	CVP >>>	16	8,2	Positive				
(166) Thermo Fisher	CVP >>>	1	0,5	Positive				
(179) Siemens	CVP >>>	12	6,2	Positive				
(999) another manufacturer	CVP >>>	1	0,5	Positive				
Sample B1		195				195	195	100
(1) Abbott	CVP >>>	66	34	Negative				
(12) Beckman Coulter	CVP >>>	19	9,7	Negative				
(15) bioMérieux	CVP >>>	1	0,5	Negative				
(25) TOSOH	CVP >>>	3	1,5	Negative				
(29) Siemens (Immulin)	CVP >>>	9	4,6	Negative				
(52) Dynex	CVP >>>	1	0,5	Negative				
(60) Roche	CVP >>>	64	33	Negative				
(135) OrgenTec	CVP >>>	1	0,5	Negative				
(148) Aesku.lab Diagnostika	CVP >>>	1	0,5	Negative				
(162) Siemens (Atellica)	CVP >>>	16	8,2	Negative				
(166) Thermo Fisher	CVP >>>	1	0,5	Negative				
(179) Siemens	CVP >>>	12	6,2	Negative				
(999) another manufacturer	CVP >>>	1	0,5	Negative				
(575) anti-thyreoglobulin		188				188	187	99
Sample A1		188				188	188	100
(1) Abbott	CVP >>>	64	34	Positive				
(12) Beckman Coulter	CVP >>>	18	9,6	Positive				
(15) bioMérieux	CVP >>>	1	0,5	Positive				
(25) TOSOH	CVP >>>	2	1,1	Positive				
(29) Siemens (Immulin)	CVP >>>	7	3,7	Positive				
(36) Immunotech	CVP >>>	1	0,5	Positive				
(52) Dynex	CVP >>>	1	0,5	Positive				
(60) Roche	CVP >>>	63	34	Positive				
(135) OrgenTec	CVP >>>	1	0,5	Positive				
(148) Aesku.lab Diagnostika	CVP >>>	1	0,5	Positive				
(162) Siemens (Atellica)	CVP >>>	16	8,5	Positive				
(166) Thermo Fisher	CVP >>>	1	0,5	Positive				
(179) Siemens	CVP >>>	11	5,9	Positive				
(999) another manufacturer	CVP >>>	1	0,5	Positive				
Sample B1		188				188	187	99
(1) Abbott	CVP >>>	64	34	Negative				
(12) Beckman Coulter	CVP >>>	18	9,6	Negative				
(15) bioMérieux	CVP >>>	1	0,5	Negative				
(25) TOSOH	CVP >>>	2	1,1	Negative				
(29) Siemens (Immulin)	CVP >>>	7	3,7	Negative				
(36) Immunotech	CVP >>>	1	0,5	Negative				
(52) Dynex	CVP >>>	1	0,5	Negative				
(60) Roche	CVP >>>	63	34	Negative				
(135) OrgenTec	CVP >>>	1	0,5	Negative				
(148) Aesku.lab Diagnostika	CVP >>>	1	0,5	Negative				
(162) Siemens (Atellica)	CVP >>>	16	8,5	Negative				
(166) Thermo Fisher	CVP >>>	1	0,5	Negative				
(179) Siemens	CVP >>>	10	5,3	Negative				
(999) another manufacturer	CVP >>>	1	0,5	Positive				
(999) another manufacturer	CVP >>>	1	0,5	Negative				

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	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
Set 2							
(590) anti-TSH receptor		98			98	94	96
Sample A2		98			98	96	98
(1) Abbott	CVP >>>	18	18	Positive			
(24) B.R.A.H.M.S.	CVP >>>	1	1	Positive			
(29) Siemens (Immulite)	CVP >>>	9	9,2	Positive			
(36) Immunotech	CVP >>>	1	1	Positive			
(60) Roche	CVP >>>	66	67	Positive			
(73) Snibe		2	2	Negative			
(87) Euroimmun	CVP >>>	1	1	Positive			
Sample B2		98			98	96	98
(1) Abbott	CVP >>>	16	16	Negative			
		2	2	Inconclusive result (borderline)			
(24) B.R.A.H.M.S.	CVP >>>	1	1	Negative			
(29) Siemens (Immulite)	CVP >>>	9	9,2	Negative			
(36) Immunotech	CVP >>>	1	1	Negative			
(60) Roche	CVP >>>	66	67	Negative			
(73) Snibe	CVP >>>	2	2	Negative			
(87) Euroimmun	CVP >>>	1	1	Negative			