

## EQA round: AT1/24 - Autoantibodies in Thyroid Diseases

Deadline: 12.4.2024

Setup: groups - R (manufacturer of kit)

AV = assigned value

CVPG = consensus of the participants' groups

CVP = consensus of all participants

&gt;&gt;&gt; ... expected result

&gt; ... acceptable result

± ... result not assessed

N<sub>tot</sub> = total number of the resultsN<sub>rel</sub> = relative number of the resultsN<sub>eva</sub> = number of the results assessedN<sub>suc</sub> = number of successful resultsS<sub>rel</sub> = relative success

Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
<b>Set 1</b>							
<b>(576) anti-microsomes (TPO)</b>		201			135	133	99
<b>Sample A1</b>		201			135	133	99
(1) Abbott	±	3	1,5	Negative			
	±	13	6,5	Inconclusive result (borderline)			
	±	50	25	Positive			
(12) Beckman Coulter	CVP >>>	21	10	Negative			
(15) bioMérieux	CVP >>>	1	0,5	Negative			
(25) TOSOH	CVP >>>	2	1	Negative			
		1	0,5	Inconclusive result (borderline)			
(29) Siemens (Immulin)		1	0,5	Inconclusive result (borderline)			
	>	10	5	Positive			
(52) Dynex	CVP >>>	1	0,5	Negative			
(60) Roche	CVP >>>	67	33	Negative			
(135) OrgenTec	CVP >>>	1	0,5	Negative			
(162) Siemens (Atellica)	CVP >>>	17	8,5	Negative			
(166) Thermo Fisher	CVP >>>	1	0,5	Negative			
(179) Siemens	CVP >>>	12	6	Negative			
<b>Sample B1</b>		201			201	201	100
(1) Abbott	CVP >>>	66	33	Positive			
(12) Beckman Coulter	CVP >>>	21	10	Positive			
(15) bioMérieux	CVP >>>	1	0,5	Positive			
(25) TOSOH	CVP >>>	3	1,5	Positive			
(29) Siemens (Immulin)	CVP >>>	11	5,5	Positive			
(52) Dynex	CVP >>>	1	0,5	Positive			
(60) Roche	CVP >>>	67	33	Positive			
(135) OrgenTec	CVP >>>	1	0,5	Positive			
(162) Siemens (Atellica)	CVP >>>	17	8,5	Positive			
(166) Thermo Fisher	CVP >>>	1	0,5	Positive			
(179) Siemens	CVP >>>	12	6	Positive			
<b>(575) anti-thyreoglobulin</b>		195			131	130	99
<b>Sample A1</b>		195			131	130	99
(1) Abbott	±	30	15	Negative			
	±	19	9,7	Inconclusive result (borderline)			
	±	15	7,7	Positive			
(12) Beckman Coulter	CVP >>>	20	10	Negative			
(15) bioMérieux	CVP >>>	1	0,5	Negative			
(25) TOSOH	CVP >>>	2	1	Negative			
(29) Siemens (Immulin)	CVP >>>	8	4,1	Negative			
		1	0,5	Positive			
(36) Immunotech	CVP >>>	1	0,5	Negative			
(52) Dynex	CVP >>>	1	0,5	Negative			
(60) Roche	CVP >>>	66	34	Negative			
(135) OrgenTec	CVP >>>	1	0,5	Negative			
(162) Siemens (Atellica)	CVP >>>	18	9,2	Negative			
(166) Thermo Fisher	CVP >>>	1	0,5	Negative			
(179) Siemens	CVP >>>	11	5,6	Negative			
<b>Sample B1</b>		195			195	195	100
(1) Abbott	CVP >>>	64	33	Positive			
(12) Beckman Coulter	CVP >>>	20	10	Positive			
(15) bioMérieux	CVP >>>	1	0,5	Positive			
(25) TOSOH	CVP >>>	2	1	Positive			
(29) Siemens (Immulin)	CVP >>>	9	4,6	Positive			
(36) Immunotech	CVP >>>	1	0,5	Positive			
(52) Dynex	CVP >>>	1	0,5	Positive			
(60) Roche	CVP >>>	66	34	Positive			
(135) OrgenTec	CVP >>>	1	0,5	Positive			
(162) Siemens (Atellica)	CVP >>>	18	9,2	Positive			
(166) Thermo Fisher	CVP >>>	1	0,5	Positive			
(179) Siemens	CVP >>>	11	5,6	Positive			

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Test Sample Group	Frequency of the results				Success		
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<b>Set 2</b>							
(590) anti-TSH receptor		103			103	102	99
<b>Sample A2</b>		103			103	102	99
(1) Abbott	CVP >>>	19	18	Negative			
(24) B.R.A.H.M.S.	CVP >>>	1	1	Negative			
(29) Siemens (Immulite)	CVP >>>	10	9,7	Negative			
(36) Immunotech	CVP >>>	1	1	Negative			
(60) Roche	CVP >>>	68	66	Negative			
		1	1	Inconclusive result (borderline)			
(73) Snibe	CVP >>>	2	1,9	Negative			
(87) Euroimmun	CVP >>>	1	1	Negative			
<b>Sample B2</b>		103			103	103	100
(1) Abbott	CVP >>>	19	18	Positive			
(24) B.R.A.H.M.S.	CVP >>>	1	1	Positive			
(29) Siemens (Immulite)	CVP >>>	10	9,7	Positive			
(36) Immunotech	CVP >>>	1	1	Positive			
(60) Roche	CVP >>>	69	67	Positive			
(73) Snibe	CVP >>>	2	1,9	Positive			
(87) Euroimmun	CVP >>>	1	1	Positive			