

EQA round: AT2/23 - Autoantibodies in Thyroid Diseases

Deadline: 30.10.2023

Setup: groups - measurement principle

AV = assigned value

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

CVP = consensus of all participants

S_{rel} = relative success

>>> ... expected result

> ... 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) Fluorescent methods	CVP >>>	2	1	Positive			
(2) EIA methods	CVP >>>	11	5,6	Positive			
(5) LIA, ILMA	CVP >>>	180	92	Positive			
(99) Another measurement principle	CVP >>>	2	1	Positive			
Sample B1		195			195	195	100
(1) Fluorescent methods	CVP >>>	2	1	Negative			
(2) EIA methods	CVP >>>	11	5,6	Negative			
(5) LIA, ILMA	CVP >>>	180	92	Negative			
(99) Another measurement principle	CVP >>>	2	1	Negative			
(575) anti-thyreoglobulin		188			188	187	99
Sample A1		188			188	188	100
(1) Fluorescent methods	CVP >>>	2	1,1	Positive			
(2) EIA methods	CVP >>>	10	5,3	Positive			
(4) RIA, IRMA, RRA	CVP >>>	1	0,5	Positive			
(5) LIA, ILMA	CVP >>>	173	92	Positive			
(99) Another measurement principle	CVP >>>	2	1,1	Positive			
Sample B1		188			188	187	99
(1) Fluorescent methods	CVP >>>	2	1,1	Negative			
(2) EIA methods	CVP >>>	10	5,3	Negative			
(4) RIA, IRMA, RRA	CVP >>>	1	0,5	Negative			
(5) LIA, ILMA	CVP >>>	172	91	Negative			
		1	0,5	Positive			
(99) Another measurement principle	CVP >>>	2	1,1	Negative			
Set 2							
(590) anti-TSH receptor		98			98	94	96
Sample A2		98			98	96	98
(2) EIA methods	CVP >>>	4	4,1	Positive			
(4) RIA, IRMA, RRA	CVP >>>	2	2	Positive			
(5) LIA, ILMA		2	2	Negative			
	CVP >>>	89	91	Positive			
(99) Another measurement principle	CVP >>>	1	1	Positive			
Sample B2		98			98	96	98
(2) EIA methods	CVP >>>	4	4,1	Negative			
(4) RIA, IRMA, RRA	CVP >>>	2	2	Negative			
(5) LIA, ILMA	CVP >>>	89	91	Negative			
		2	2	Inconclusive result (borderline)			
(99) Another measurement principle	CVP >>>	1	1	Negative			