

EQA round: AT2/24 - Autoantibodies in Thyroid Diseases

Deadline: 25.10.2024

Setup: groups - M (measurement principle)

AV = assigned value	N _{tot} = total number of the results	N _{eva} = number of the results assessed
CVP = consensus of all participants	N _{rel} = relative number of the results	N _{suc} = number of successful results
CVPG = consensus of the participants' groups		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)		200			200	191	96
Sample A1		200			200	191	96
(1) Fluorescent methods	CVP >>>	1	0,5	Negative			
		1	0,5	Positive			
(2) EIA methods	CVP >>>	10	5	Negative			
(5) LIA, ILMA	CVP >>>	177	89	Negative			
		8	4	Positive			
(99) Another measurement principle	CVP >>>	3	1,5	Negative			
Sample B1		200			200	200	100
(1) Fluorescent methods	CVP >>>	2	1	Positive			
(2) EIA methods	CVP >>>	10	5	Positive			
(5) LIA, ILMA	CVP >>>	185	93	Positive			
(99) Another measurement principle	CVP >>>	3	1,5	Positive			
(575) anti-thyreoglobulin		194			194	189	97
Sample A1		194			194	190	98
(1) Fluorescent methods	CVP >>>	2	1	Negative			
(2) EIA methods	CVP >>>	9	4,6	Negative			
(4) RIA, IRMA, RRA		1	0,5	Positive			
(5) LIA, ILMA	CVP >>>	176	91	Negative			
		3	1,5	Positive			
(99) Another measurement principle	CVP >>>	3	1,5	Negative			
Sample B1		194			194	192	99
(1) Fluorescent methods		1	0,5	Negative			
	CVP >>>	1	0,5	Positive			
(2) EIA methods	CVP >>>	9	4,6	Positive			
(4) RIA, IRMA, RRA	CVP >>>	1	0,5	Positive			
(5) LIA, ILMA		1	0,5	Negative			
	CVP >>>	178	92	Positive			
(99) Another measurement principle	CVP >>>	3	1,5	Positive			
Set 2							
(590) anti-TSH receptor		105			93	91	98
Sample A2		105			105	103	98
(2) EIA methods	CVP >>>	5	4,8	Negative			
		1	1	Positive			
(4) RIA, IRMA, RRA	CVP >>>	2	1,9	Negative			
(5) LIA, ILMA	CVP >>>	95	90	Negative			
		1	1	Inconclusive result (borderline)			
(99) Another measurement principle	CVP >>>	1	1	Negative			
Sample B2		105			93	92	99
(2) EIA methods		1	1	Negative			
	CVP >>>	5	4,8	Positive			
(4) RIA, IRMA, RRA	CVP >>>	2	1,9	Positive			
(5) LIA, ILMA	CVP >>>	84	80	Positive			
(5) LIA, ILMA; (29) Siemens (Immulite)	±	9	8,6	Negative			
	±	1	1	Inconclusive result (borderline)			
(5) LIA, ILMA; (73) Snibe	±	2	1,9	Negative			
(99) Another measurement principle	CVP >>>	1	1	Positive			