

EQA round: AT1/24 - Autoantibodies in Thyroid Diseases

Deadline: 12.4.2024

Setup: groups - R (manufacturer of kit); Slovakia; minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N_{tot} = total number of the resultsN_{out} = number of the results removed before calculation

AV = assigned value

CVPG = consensus of the participants' groups

U_{AV} = expanded uncertainty of the assigned value (k = 2)D_{max} = acceptable difference

LL = lower limit

UL = upper limit

N_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{rel} = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL					
Set 1																
(576) anti-microsomes (TPO)	[kU/L]				21									19	18	95
Sample A1		9,43	3,2	34	21									19	19	100
(1) Abbott		8,54	0,72	8,4	6	0	CVPG	9,04	0,2	50%	4,52	13,6		6		
(60) Roche		10,5	2,3	22	9	0	CVPG	10,5	0,74	50%	5,25	15,8		9		
Other					6	0								4		
								2x 12, 1x 52, 1x 135, 1x 162, 1x 179								
Sample B1		613	270	45	21									19	18	95
(1) Abbott		781	110	13	6	0	CVPG	807	20	50%	403	1220		6		
(60) Roche		407	50	12	9	0	CVPG	396	17	50%	198	594		9		
Other					6	0								4		
								2x 12, 1x 52, 1x 135, 1x 162, 1x 179								
(575) anti-thyreoglobulin	[kU/L]				21									19	13	68
Sample A1		8,42	6,1	73	21									19	14	74
(1) Abbott		4,25	0,22	5,2	6	0	CVPG	4,2	0,13	50%	2,1	6,3		6		
(60) Roche		13	1,2	8,9	9	0	CVPG	12,6	0,56	50%	6,3	18,9		9		
Other					6	0								4		
								3x 12, 1x 52, 1x 135, 1x 162								
Sample B1		2300	1600	70	21									19	18	95
(1) Abbott		1290	430	33	6	0	CVPG	1150	87	50%	575	1730		6		
(60) Roche		4000	0	0	9	0	CVPG	4000		50%	2000	6000		9		
Other					6	0								4		
								3x 12, 1x 52, 1x 135, 1x 162								
Set 2																
(590) anti-TSH receptor	[U/L]				14									13	12	92
Sample A2		0,821	0,18	22	14									13	12	92
(60) Roche		0,8	0	0	10	0	CVPG	0,8	0	50%	0,4	1,2		10		
Other					4	0								3		
								2x 1, 1x 24, 1x 29								
Sample B2		4,15	0,64	15	14									13	12	92
(60) Roche		3,96	0,31	7,8	10	0	CVPG	3,92	0,12	33%	2,62	5,22		10		
Other					4	0								3		
								2x 1, 1x 24, 1x 29								