

EQA round: AT2/23 - Autoantibodies in Thyroid Diseases

Deadline: 30.10.2023

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

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVPG = consensus of the participants' groups	LL = lower limit
CV = coefficient of variation	CVP = consensus of all participants	UL = upper limit
N _{tot} = total number of the results	U _{AV} = expanded uncertainty of the assigned value (k = 2)	N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
		S _{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]				20							18	16	89	
Sample A1		669	230	35	20							18	17	94	
(1) Abbott		784	98	12	6	0	CVPG	735	18	50%	367	1110	6		
(60) Roche		528	96	18	9	1	CVPG	486	24	50%	243	729	9		
Other					5	0							3		
							1x 12, 1x 52, 1x 135, 1x 162, 1x 179								
Sample B1		6,29	4,8	77	20							18	16	89	
(1) Abbott		1,51	0,13	8,8	6	0	CVPG	1,62	0,081	50%	0,81	2,43	6		
(60) Roche		7,3	3,4	47	9	1	CVPG	7,76	0,69	50%	3,88	11,7	9		
Other					5	0							3		
							1x 12, 1x 52, 1x 135, 1x 162, 1x 179								
(575) anti-thyroglobulin	[kU/L]				20							18	14	78	
Sample A1		2400	1600	68	20							18	15	83	
(1) Abbott		1330	490	37	6	0	CVPG	1010	6,5	50%	505	1520	6		
(60) Roche		4000	0	0	9	1	CVPG	4000		50%	2000	6000	9		
Other					5	0							3		
							2x 12, 1x 52, 1x 135, 1x 162								
Sample B1		7,61	6,8	89	20							18	15	83	
(1) Abbott		1,44	0,2	14	6	0	CVPG	1,47	0,1	50%	0,735	2,21	6		
(60) Roche		13	2,6	20	9	1	CVPG	12,5	0,7	50%	6,25	18,8	9		
Other					5	0							3		
							2x 12, 1x 52, 1x 135, 1x 162								
Set 2															
(590) anti-TSH receptor	[U/L]				11							10	10	100	
Sample A2		4,21	0,78	19	11							10	10	100	
(60) Roche		4,38	0,27	6,1	7	0	CVPG	4,05	0,12	33%	2,71	5,39	7		
Other					4	0							3		
							2x 1, 1x 24, 1x 29								
Sample B2		0,76	0,067	8,8	11		CVP	0,795	0,014	100%	0	1,59	11	11	100
(60) Roche		0,8	0	0	7	0							7		
Other					4	0							4		
							2x 1, 1x 24, 1x 29								