

EQA round: AT1/26 - Autoantibodies in Thyroid Diseases

Deadline: 10.4.2026

Setup: groups - R (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	U _{AV} = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N _{tot} = total number of the results		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]				21								20	17	85
Sample A1		493	150	31	21								20	19	95
(12) Beckman Coulter		495	77	15	6	0	CVPG	424	32	50%	212	636	6		
(60) Roche		380	34	8,9	8	0	CVPG	376	5,5	50%	188	564	8		
Other					7	0							6		
								4x 1, 1x 148, 2x 162							
Sample B1		4,95	4,4	89	21								20	17	85
(12) Beckman Coulter		1,34	0,24	18	6	0	CVPG	1,27	0,097	50%	0,635	1,91	6		
(60) Roche		12,2	6,2	51	8	0	CVPG	12,5	1,2	50%	6,25	18,8	8		
Other					7	0							6		
								4x 1, 1x 148, 2x 162							
(575) anti-thyreoglobulin	[kU/L]				21								20	18	90
Sample A1		1380	1200	88	21								20	20	100
(1) Abbott		647	16	2,5	5	0	CVPG	654	18	50%	327	981	5		
(12) Beckman Coulter		258	14	5,5	5	0	CVPG	260	17	50%	130	390	5		
(60) Roche		2550	280	11	9	0	CVPG	2510	67	50%	1250	3770	9		
Other					2	0							1		
								1x 148, 1x 162							
Sample B1		9,63	10	110	21								20	18	90
(1) Abbott		2,43	0,34	14	5	0	CVPG	2,51	0,11	50%	1,25	3,77	5		
(12) Beckman Coulter		0,9	0	0	5	0	CVPG	0,686	0,3	50%	0,343	1,03	5		
(60) Roche		19,2	3,5	18	9	0	CVPG	18,9	0,68	50%	9,45	28,4	9		
Other					2	0							1		
								1x 148, 1x 162							
Set 2															
(590) anti-TSH receptor	[U/L]				14								12	12	100
Sample A2		0,785	0,24	30	14								12	12	100
(60) Roche		0,8	0	0	9	0	CVPG	0,801	0,001	100%	0	1,61	9		
Other					5	0							3		
								2x 1, 1x 24, 1x 29, 1x 73							
Sample B2		3,76	0,92	24	14								12	12	100
(60) Roche		3,71	0,42	11	9	0	CVPG	3,47	0,21	33%	2,32	4,62	9		
Other					5	0							3		
								2x 1, 1x 24, 1x 29, 1x 73							