

## EQA round: AT2/24 - Autoantibodies in Thyroid Diseases

Deadline: 25.10.2024

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

RoM = robust average	AV = assigned value	D <sub>max</sub> = acceptable difference
SD = standard deviation	CVPG = consensus of the participants' groups	LL = lower limit
CV = coefficient of variation	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N <sub>tot</sub> = total number of the results		N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation		N <sub>suc</sub> = number of successful results
		S <sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL			
<b>Set 1</b>														
(576) anti-microsomes (TPO)	[kU/L]				21							19	17	89
<b>Sample A1</b>		6,73	6,8	100	21							19	17	89
(1) Abbott		0,45	0,074	16	6	0	CVPG 0,561	0,1	50%	0,28	0,842	6		
(60) Roche		9,81	4,7	48	8	0	CVPG 10,9	1	50%	5,45	16,4	8		
Other					7	1						5		
							3x 12, 1x 52, 1x 135, 1x 162, 1x 179							
<b>Sample B1</b>		600	180	30	21							19	18	95
(1) Abbott		717	52	7,3	6	0	CVPG 748	17	50%	374	1130	6		
(60) Roche		509	130	26	8	0	CVPG 504	25	50%	252	756	8		
Other					7	0						5		
							3x 12, 1x 52, 1x 135, 1x 162, 1x 179							
(575) anti-thyreoglobulin	[kU/L]				20							18	15	83
<b>Sample A1</b>		7,59	9,9	130	20							18	15	83
(1) Abbott		0,82	0,1	13	6	0	CVPG 0,836	0,046	50%	0,418	1,26	6		
(60) Roche		17,9	2,1	12	7	0	CVPG 17,6	0,68	50%	8,8	26,4	7		
Other					7	1						5		
							4x 12, 1x 52, 1x 135, 1x 162							
<b>Sample B1</b>		691	620	90	20							18	18	100
(1) Abbott		312	17	5,4	6	0	CVPG 316	7,2	50%	158	474	6		
(60) Roche		1380	120	8,6	7	0	CVPG 1370	28	50%	685	2060	7		
Other					7	0						5		
							4x 12, 1x 52, 1x 135, 1x 162							
<b>Set 2</b>														
(590) anti-TSH receptor	[U/L]				14							13	13	100
<b>Sample A2</b>		0,807	0,056	7	14							13	13	100
(60) Roche		0,8	0	0	10	0	CVPG 0,8	0	100%	0	1,6	10		
Other					4	0						3		
							2x 1, 1x 24, 1x 29							
<b>Sample B2</b>		4,32	0,78	18	14							13	13	100
(60) Roche		4,23	0,25	6	10	0	CVPG 4,06	0,1	33%	2,72	5,4	10		
Other					4	0						3		
							2x 1, 1x 24, 1x 29							