Summary statistics - quantitative results

EQA round: AT2/26 - Autoantibodies in Thyroid Diseases

Deadline: 23.10.2026

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 results
N_{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 assessed
N_{suc} = number of successful results
S_{rel} = relative success

Test / Sample / Group	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability: AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel} [%]
Set 1														
(576) **anti-microsomes (TPO)**	[kU/L]				20							20	16	80
Sample A1		680	270	40	20							20	18	90
(12) Beckman Coulter		760	95	12	6	0	CVPG 755	56	50%	377	1140	6		
(60) Roche		500	17	3,5	8	0	CVPG 516	9,5	50%	258	774	8		
Other					6	0	4x 1, 2x 162					6		
Sample B1		5,07	3,7	73	20							20	17	85
(12) Beckman Coulter		1,35	0,18	13	6	0	CVPG 1,35	0,07	50%	0,675	2,03	6		
(60) Roche		8	0	0	8	0	CVPG 8	0	50%	4	12	8		
Other					6	0	4x 1, 2x 162					6		
(575) **anti-thyreoglobulin**	[kU/L]				20							20	13	65
Sample A1		2500	1600	62	20							20	16	80
(12) Beckman Coulter		1570	840	54	6	0	CVPG 2060	220	50%	1030	3090	6		
(60) Roche		4000	0	0	9	0	CVPG 4000		50%	2000	6000	9		
Other					5	0	4x 1, 1x 162					5		
Sample B1		10,1	11	110	20							20	14	70
(12) Beckman Coulter		1,1	0,3	27	6	0	CVPG 0,747	0,3	50%	0,373	1,13	6		
(60) Roche		17,6	2,1	12	9	0	CVPG 17,1	0,72	50%	8,55	25,7	9		
Other					5	0	4x 1, 1x 162					5		
Set 2														
(590) **anti-TSH receptor**	[U/L]				14							12	10	83
Sample A2		0,79	0,31	39	14							12	10	83
(60) Roche		0,8	0	0	9	0	CVPG 0,8	0	100%	0	1,6	9		
Other					5	0	2x 1, 1x 24, 1x 29, 1x 73					3		
Sample B2		4,79	0,94	20	14							12	12	100
(60) Roche		4,57	0,21	4,5	9	0	CVPG 4,5	0,17	33%	3,01	5,99	9		
Other					5	0	2x 1, 1x 24, 1x 29, 1x 73					3		