

EQA round: TIE1/23 - Allergy Control Scheme (Total IgE)

Deadline: 3.3.2023

Setup: groups - manufacturer of kit; 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

CVP = consensus of all participants

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					
(280) Total IgE	[kU/L]				154								154	146	95	
Sample A		54,5	4,6	8,4	154		CVP	54,5	0,9	25%	40,8	68,2	154	148	96	
(1) Abbott		54,9	7,3	13	19	0							19			
(29) Siemens (Immulite)		54,6	4,9	9	25	0							25			
(58) Beckman Coulter (AU)		58,9	7,2	12	7	0							7			
(60) Roche		54,8	3,4	6,3	43	0							43			
(149) Siemens (Dade, BN, Dimension)		55,3	3,3	5,9	8	0							8			
(162) Siemens (Atellica)		54,1	2,2	4,1	8	0							8			
(166) Thermo Fisher		52,2	2,6	5	11	0							11			
(178) DiaSys		59,2	4,7	8	5	0							5			
(179) Siemens		53,2	4,1	7,7	8	0							8			
(999) another manufacturer		55,4	11	20	6	0							6			
Other					14	0							14			
								1x 5, 1x 12, 1x 15, 4x 25, 1x 36, 1x 73, 2x 75, 3x 91								
Sample B		219	19	8,5	154		CVP	219	3,7	25%	164	274	154	152	99	
(1) Abbott		206	14	6,8	19	0							19			
(29) Siemens (Immulite)		223	28	12	25	0							25			
(58) Beckman Coulter (AU)		227	21	9,4	7	0							7			
(60) Roche		223	13	5,7	43	0							43			
(149) Siemens (Dade, BN, Dimension)		218	7,4	3,4	8	0							8			
(162) Siemens (Atellica)		231	10	4,5	8	0							8			
(166) Thermo Fisher		221	11	5,2	11	0							11			
(178) DiaSys		210	18	8,5	5	0							5			
(179) Siemens		222	16	7,1	8	0							8			
(999) another manufacturer		231	13	5,5	6	0							6			
Other					14	0							14			
								1x 5, 1x 12, 1x 15, 4x 25, 1x 36, 1x 73, 2x 75, 3x 91								