

EQA round: TIE2/23 - Allergy Control Scheme (Total IgE)

Deadline: 22.9.2023

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]				152								152	138	91
Sample A		864	96	11	152		CVP	864	19	25%	648	1080	152	147	97
(1) Abbott		754	66	8,8	20	0							20		
(29) Siemens (Immulin)		855	120	14	24	0							24		
(58) Beckman Coulter (AU)		997	67	6,7	5	0							5		
(60) Roche		891	48	5,4	43	0							43		
(149) Siemens (Dade, BN, Dimension)		938	67	7,2	8	0							8		
(162) Siemens (Atellica)		920	70	7,6	8	0							8		
(166) Thermo Fisher		887	63	7,1	12	0							12		
(178) DiaSys		824	81	9,8	5	0							5		
(179) Siemens		856	130	15	6	0							6		
Other					21	0							21		
								1x 5, 3x 12, 1x 15, 4x 25, 2x 73, 2x 75, 4x 91, 1x 998, 3x 999							
Sample B		46,8	5,7	12	152		CVP	46,8	1,1	25%	35,1	58,5	152	140	92
(1) Abbott		39,7	4,2	11	20	0							20		
(29) Siemens (Immulin)		47	4,1	8,7	24	0							24		
(58) Beckman Coulter (AU)		58,2	2,7	4,6	5	0							5		
(60) Roche		49,7	3,2	6,5	43	0							43		
(149) Siemens (Dade, BN, Dimension)		50,3	4,2	8,4	8	0							8		
(162) Siemens (Atellica)		43,6	1,8	4,1	8	0							8		
(166) Thermo Fisher		48,9	2,5	5,1	12	0							12		
(178) DiaSys		47,4	2	4,2	5	0							5		
(179) Siemens		44,2	1,5	3,5	6	0							6		
Other					21	0							21		
								1x 5, 3x 12, 1x 15, 4x 25, 2x 73, 2x 75, 4x 91, 1x 998, 3x 999							