

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

Deadline: 3.3.2023

Setup: groups - measurement principle; 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								
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel} [%]	
(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
(3) FIA (FEIA, TRACE)		52,3	2,6	5	14	0							14		
(4) LIA (CLIA, CMIA, ECLIA, LOCI)		54,2	3,7	6,9	87	0							87		
(6) IMT, IMN		55,7	7,8	14	48	0							48		
Other					5	0							5		
							3x 2, 2x 99								
Sample B		219	19	8,5	154		CVP	219	3,7	25%	164	274	154	152	99
(3) FIA (FEIA, TRACE)		217	12	5,6	14	0							14		
(4) LIA (CLIA, CMIA, ECLIA, LOCI)		222	18	8,1	87	0							87		
(6) IMT, IMN		212	20	9,2	48	0							48		
Other					5	0							5		
							3x 2, 2x 99								