

## EQA round: TIE2/24 - Allergy Control Scheme (Total IgE)

Deadline: 20.9.2024

Setup: groups - M (measurement principle); minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N<sub>tot</sub> = total number of the resultsN<sub>out</sub> = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

U<sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)D<sub>max</sub> = acceptable difference

LL = lower limit

UL = upper limit

N<sub>eva</sub> = number of the results assessedN<sub>suc</sub> = number of successful resultsS<sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability								
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
<b>(280) Total IgE</b>	[kU/L]				149							149	144	97	
<b>Sample A</b>		442	48	11	149		CVP	442	9,6	25%	331	553	149	145	97
(3) FIA (FEIA, TRACE)		447	40	8,9	14	0							14		
(4) LIA (CLIA, CMIA, ECLIA, LOCI)		459	36	7,8	83	0							83		
(6) IMT, IMN		411	52	13	50	0							50		
Other					2	0							2		
							2x 2								
<b>Sample B</b>		441	49	11	149		CVP	441	9,8	25%	330	552	149	146	98
(3) FIA (FEIA, TRACE)		451	44	9,7	14	0							14		
(4) LIA (CLIA, CMIA, ECLIA, LOCI)		458	36	7,9	83	0							83		
(6) IMT, IMN		410	55	13	50	0							50		
Other					2	0							2		
							2x 2								