

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

Deadline: 20.9.2024

Setup: groups - R (manufacturer of kit); minimal size of the groups n = 5

RoM = robust average

AV = assigned value

D<sub>max</sub> = acceptable difference

SD = standard deviation

CVP = consensus of all participants

LL = lower limit

CV = coefficient of variation

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

UL = upper limit

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessedN<sub>out</sub> = number of the results removed before calculationN<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						N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL					
<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	
(1) Abbott		371	31	8,3	20	0							20			
(29) Siemens (Immulin)		444	37	8,3	21	0							21			
(58) Beckman Coulter (AU)		455	13	2,8	9	0							9			
(60) Roche		457	23	5	42	0							42			
(91) Binding Site		387	9,6	2,5	5	0							5			
(149) Siemens (Dade, BN, Dimension)		459	30	6,6	7	0							7			
(162) Siemens (Atellica)		499	37	7,4	11	0							11			
(166) Thermo Fisher		458	34	7,5	10	0							10			
(178) DiaSys		404	21	5,2	5	0							5			
(179) Siemens		493	30	6,1	6	0							6			
Other					13	0							13			
								4x 12, 1x 15, 4x 25, 1x 73, 1x 75, 1x 183, 1x 999								
<b>Sample B</b>		441	49	11	149		CVP	441	9,8	25%	330	552	149	146	98	
(1) Abbott		370	29	7,7	20	0							20			
(29) Siemens (Immulin)		436	46	10	21	0							21			
(58) Beckman Coulter (AU)		463	19	4,1	9	0							9			
(60) Roche		458	23	4,9	42	0							42			
(91) Binding Site		387	6,4	1,7	5	0							5			
(149) Siemens (Dade, BN, Dimension)		460	23	5	7	0							7			
(162) Siemens (Atellica)		496	25	5	11	0							11			
(166) Thermo Fisher		473	30	6,4	10	0							10			
(178) DiaSys		402	22	5,6	5	0							5			
(179) Siemens		482	17	3,5	6	0							6			
Other					13	0							13			
								4x 12, 1x 15, 4x 25, 1x 73, 1x 75, 1x 183, 1x 999								