

## EQA round: TIE1/24 - Allergy Control Scheme (Total IgE)

Deadline: 1.3.2024

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 results		N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation		N <sub>suc</sub> = number of successful results
		S <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>		491	60	12	149		CVP	491	12	25%	368	614	149	146	98	
(1) Abbott		423	16	3,7	21	0							21			
(29) Siemens (Immulin)		482	59	12	22	0							22			
(58) Beckman Coulter (AU)		519	45	8,7	7	0							7			
(60) Roche		522	26	5,1	41	0							41			
(91) Binding Site		426	23	5,5	5	0							5			
(149) Siemens (Dade, BN, Dimension)		537	53	9,9	8	0							8			
(162) Siemens (Atellica)		538	52	9,6	11	0							11			
(166) Thermo Fisher		492	21	4,3	11	0							11			
(178) DiaSys		450	21	4,8	5	0							5			
(179) Siemens		541	24	4,5	6	0							6			
Other					12	0							12			
							3x 12, 1x 15, 4x 25, 1x 73, 1x 75, 2x 999									
<b>Sample B</b>		106	14	13	149		CVP	106	2,8	25%	79,5	133	149	145	97	
(1) Abbott		90,2	5,2	5,8	21	0							21			
(29) Siemens (Immulin)		107	13	12	22	0							22			
(58) Beckman Coulter (AU)		111	4,5	4	7	0							7			
(60) Roche		119	4,9	4,1	41	0							41			
(91) Binding Site		88,1	3,9	4,5	5	0							5			
(149) Siemens (Dade, BN, Dimension)		112	7,4	6,6	8	0							8			
(162) Siemens (Atellica)		105	5,9	5,6	11	0							11			
(166) Thermo Fisher		107	6	5,6	11	0							11			
(178) DiaSys		93,4	0,89	0,95	5	0							5			
(179) Siemens		105	4,5	4,3	6	0							6			
Other					12	0							12			
							3x 12, 1x 15, 4x 25, 1x 73, 1x 75, 2x 999									