

EQA round: T04/23 - Specific IgE (study)

Deadline: 12.5.2023

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				
(285) Amoxicillin	[kU/L]				29							29	17	59	
Sample A		0,166	0,077	46	29		CVP	0,166	0,035	asym.	0	0,35	29	29	100
(29) Siemens (Immulite)		0,095	0,007	7,8	8	0							8		
(166) Thermo Fisher		0,197	0,054	27	18	0							18		
Other					3	0							3		
							1x 87, 2x 999								
Sample B		1,54	0,21	14	29		CVP	1,54	0,12	33%	1,03	2,05	29	17	59
(29) Siemens (Immulite)		0	0		8	8							8		
(166) Thermo Fisher		1,54	0,21	14	18	1							18		
Other					3	3							3		
							1x 87, 2x 999								
(286) Ampicillin	[kU/L]				26							26	12	46	
Sample A		0,927	0,26	28	26		CVP	0,927	0,16	33%	0,621	1,24	26	12	46
(29) Siemens (Immulite)		0	0		6	6							6		
(166) Thermo Fisher		0,927	0,26	28	17	1							17		
Other					3	3							3		
							1x 87, 2x 999								
Sample B		0,848	0,13	16	26		CVP	0,848	0,079	33%	0,568	1,13	26	16	62
(29) Siemens (Immulite)		0	0		6	6							6		
(166) Thermo Fisher		0,861	0,12	14	17	1							17		
Other					3	2							3		
							1x 87, 2x 999								
(283) Penicilloyl G	[kU/L]				32							32	22	69	
Sample A		3,56	0,39	11	32		CVP	3,56	0,2	33%	2,38	4,74	32	22	69
(29) Siemens (Immulite)		0	0		8	8							8		
(166) Thermo Fisher		3,56	0,39	11	22	0							22		
Other					2	2							2		
							1x 87, 1x 999								
Sample B		2,01	0,18	8,8	32		CVP	2,01	0,093	33%	1,34	2,68	32	22	69
(29) Siemens (Immulite)		0	0		8	8							8		
(166) Thermo Fisher		2,01	0,18	8,8	22	0							22		
Other					2	2							2		
							1x 87, 1x 999								
(284) Penicilloyl V	[kU/L]				32							32	22	69	
Sample A		4,54	0,69	15	32		CVP	4,54	0,33	33%	3,04	6,04	32	22	69
(29) Siemens (Immulite)		1,1	0,04	3,6	8	6							8		
(166) Thermo Fisher		4,72	0,49	10	22	0							22		
Other					2	0							2		
							1x 87, 1x 999								
Sample B		3,01	0,34	11	32		CVP	3,01	0,18	33%	2,01	4,01	32	22	69
(29) Siemens (Immulite)		0	0		8	8							8		
(166) Thermo Fisher		3,01	0,34	11	22	0							22		
Other					2	2							2		
							1x 87, 1x 999								