

EQA round: PIG1/23 - IgG subclasses

Deadline: 10.3.2023

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

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVP = consensus of all participants	LL = lower limit
CV = coefficient of variation	CVPG = consensus of the participants' groups	UL = upper limit
N _{tot} = total number of the results	U _{AV} = expanded uncertainty of the assigned value (k = 2)	N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
		S _{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				
(426) IgG total	[g/L]				30							30	30	100	
Sample A		12,4	0,56	4,5	30		CVP	12,4	0,25	15%	10,5	14,3	30	30	100
(91) Binding Site		11,9	0,49	4,1	8	0							8		
(149) Siemens (Dade, BN, Dimension)		12,8	1,2	9,3	8	0							8		
Other					14	0							14		
							4x 1, 3x 12, 3x 60, 2x 162, 1x 178, 1x 179								
Sample B		11,5	0,58	5,1	30		CVP	11,5	0,26	15%	9,77	13,3	30	30	100
(91) Binding Site		11	0,63	5,7	8	0							8		
(149) Siemens (Dade, BN, Dimension)		12	1	8,6	8	0							8		
Other					14	0							14		
							4x 1, 3x 12, 3x 60, 2x 162, 1x 178, 1x 179								
(427) IgG1	[g/L]				32								26	25	96
Sample A		6,76	1,1	16	32								26	26	100
(91) Binding Site		5,93	0,34	5,7	17	0	CVPG	5,93	0,2	15%	5,04	6,82	17		
(149) Siemens (Dade, BN, Dimension)		7,76	0,24	3,1	9	0	CVPG	7,76	0,29	15%	6,59	8,93	9		
Other					6	0							0		
							2x 162, 3x 173, 1x 179								
Sample B		6,23	1,1	17	32								26	25	96
(91) Binding Site		5,39	0,31	5,7	17	0	CVPG	5,39	0,18	15%	4,58	6,2	17		
(149) Siemens (Dade, BN, Dimension)		7,24	0,34	4,7	9	0	CVPG	7,24	0,42	15%	6,15	8,33	9		
Other					6	0							0		
							2x 162, 3x 173, 1x 179								
(428) IgG2	[g/L]				32								26	26	100
Sample A		4,46	0,26	5,8	32								26	26	100
(91) Binding Site		4,5	0,24	5,3	17	0	CVPG	4,5	0,14	15%	3,82	5,18	17		
(149) Siemens (Dade, BN, Dimension)		4,37	0,19	4,4	9	0	CVPG	4,37	0,24	15%	3,71	5,03	9		
Other					6	0							0		
							2x 162, 3x 173, 1x 179								
Sample B		3,84	0,23	6,1	32								26	26	100
(91) Binding Site		3,73	0,16	4,3	17	0	CVPG	3,73	0,096	15%	3,17	4,29	17		
(149) Siemens (Dade, BN, Dimension)		4,04	0,19	4,6	9	0	CVPG	4,04	0,23	15%	3,43	4,65	9		
Other					6	0							0		
							2x 162, 3x 173, 1x 179								
(429) IgG3	[g/L]				32								26	26	100
Sample A		0,561	0,17	30	32								26	26	100
(91) Binding Site		0,693	0,033	4,8	17	0	CVPG	0,693	0,02	19%	0,561	0,825	17		
(149) Siemens (Dade, BN, Dimension)		0,402	0,035	8,7	9	0	CVPG	0,402	0,043	19%	0,325	0,479	9		
Other					6	0							0		
							2x 162, 3x 173, 1x 179								
Sample B		0,468	0,14	30	32								26	26	100
(91) Binding Site		0,578	0,029	4,9	17	0	CVPG	0,578	0,017	19%	0,468	0,688	17		
(149) Siemens (Dade, BN, Dimension)		0,331	0,025	7,6	9	0	CVPG	0,331	0,031	19%	0,268	0,394	9		
Other					6	0							0		
							2x 162, 3x 173, 1x 179								
(430) IgG4	[g/L]				32								26	25	96
Sample A		0,737	0,2	27	32								26	26	100
(91) Binding Site		0,574	0,026	4,6	17	0	CVPG	0,574	0,016	21%	0,453	0,695	17		
(149) Siemens (Dade, BN, Dimension)		0,919	0,019	2,1	9	0	CVPG	0,919	0,024	21%	0,726	1,12	9		
Other					6	0							0		
							2x 162, 3x 173, 1x 179								
Sample B		1,37	0,45	33	32								26	25	96
(91) Binding Site		1,01	0,065	6,4	17	0	CVPG	1,01	0,038	21%	0,797	1,23	17		
(149) Siemens (Dade, BN, Dimension)		1,76	0,067	3,8	9	0	CVPG	1,76	0,082	21%	1,39	2,13	9		
Other					6	0							0		
							2x 162, 3x 173, 1x 179								