

EQA round: PIG2/23 - IgG subclasses

Deadline: 20.10.2023

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		16,8	0,79	4,7	30		CVP	16,8	0,35	15%	14,2	19,4	30	30	100
(91) Binding Site		16,1	0,53	3,3	9	0							9		
(149) Siemens (Dade, BN, Dimension)		17,2	0,67	3,9	9	0							9		
Other					12	0							12		
							4x 1, 2x 12, 3x 60, 1x 162, 1x 178, 1x 179								
Sample B		10,2	0,4	3,9	30		CVP	10,2	0,18	15%	8,67	11,8	30	30	100
(91) Binding Site		9,81	0,23	2,4	9	0							9		
(149) Siemens (Dade, BN, Dimension)		10,5	0,3	2,8	9	0							9		
Other					12	0							12		
							4x 1, 2x 12, 3x 60, 1x 162, 1x 178, 1x 179								
(427) IgG1	[g/L]				31							26	25	96	
Sample A		10,6	0,92	8,7	31							26	25	96	
(91) Binding Site		9,93	0,52	5,2	16	0	CVPG	9,93	0,32	15%	8,44	11,5	16		
(149) Siemens (Dade, BN, Dimension)		11,3	0,61	5,4	10	0	CVPG	11,3	0,47	15%	9,6	13	10		
Other					5	0							0		
							1x 162, 3x 173, 1x 179								
Sample B		5,53	0,87	16	31							26	26	100	
(91) Binding Site		4,84	0,3	6,3	16	0	CVPG	4,84	0,19	15%	4,11	5,57	16		
(149) Siemens (Dade, BN, Dimension)		6,36	0,24	3,8	10	0	CVPG	6,36	0,19	15%	5,4	7,32	10		
Other					5	0							0		
							1x 162, 3x 173, 1x 179								
(428) IgG2	[g/L]				31							26	25	96	
Sample A		4,02	0,27	6,8	31							26	25	96	
(91) Binding Site		3,95	0,15	3,9	16	0	CVPG	3,95	0,093	15%	3,35	4,55	16		
(149) Siemens (Dade, BN, Dimension)		4,11	0,34	8,4	10	0	CVPG	4,11	0,27	15%	3,49	4,73	10		
Other					5	0							0		
							1x 162, 3x 173, 1x 179								
Sample B		3,64	0,2	5,6	31							26	26	100	
(91) Binding Site		3,73	0,16	4,2	16	0	CVPG	3,73	0,096	15%	3,17	4,29	16		
(149) Siemens (Dade, BN, Dimension)		3,49	0,16	4,5	10	0	CVPG	3,49	0,12	15%	2,96	4,02	10		
Other					5	0							0		
							1x 162, 3x 173, 1x 179								
(429) IgG3	[g/L]				31							26	26	100	
Sample A		0,578	0,16	28	31							26	26	100	
(91) Binding Site		0,708	0,039	5,5	16	0	CVPG	0,708	0,024	19%	0,573	0,843	16		
(149) Siemens (Dade, BN, Dimension)		0,424	0,016	3,7	10	0	CVPG	0,424	0,012	19%	0,343	0,505	10		
Other					5	0							0		
							1x 162, 3x 173, 1x 179								
Sample B		0,446	0,13	29	31							26	26	100	
(91) Binding Site		0,553	0,032	5,8	16	0	CVPG	0,553	0,02	19%	0,447	0,659	16		
(149) Siemens (Dade, BN, Dimension)		0,321	0,014	4,4	10	0	CVPG	0,321	0,011	19%	0,26	0,382	10		
Other					5	0							0		
							1x 162, 3x 173, 1x 179								
(430) IgG4	[g/L]				31							26	26	100	
Sample A		1,58	0,55	35	31							26	26	100	
(91) Binding Site		1,12	0,069	6,1	16	0	CVPG	1,12	0,042	21%	0,884	1,36	16		
(149) Siemens (Dade, BN, Dimension)		2,09	0,081	3,9	10	0	CVPG	2,09	0,063	21%	1,65	2,53	10		
Other					5	0							0		
							1x 162, 3x 173, 1x 179								
Sample B		0,593	0,18	30	31							26	26	100	
(91) Binding Site		0,452	0,022	4,8	16	0	CVPG	0,452	0,013	21%	0,357	0,547	16		
(149) Siemens (Dade, BN, Dimension)		0,753	0,042	5,5	10	0	CVPG	0,753	0,032	21%	0,594	0,912	10		
Other					5	0							0		
							1x 162, 3x 173, 1x 179								