

EQA round: PIG2/24 - IgG subclasses

Deadline: 18.10.2024

Setup: groups - R (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]				34							34	34	100	
Sample A		17,1	0,93	5,5	34		CVP	17,1	0,39	15%	14,5	19,7	34	34	100
(1) Abbott		17,6	0,59	3,4	6	0							6		
(91) Binding Site		16,3	0,5	3,1	10	0							10		
(149) Siemens (Dade, BN, Dimension)		17,3	1,4	8,2	8	0							8		
Other					10	0							10		
							2x 12, 1x 58, 4x 60, 2x 162, 1x 179								
Sample B		11,5	0,76	6,6	34		CVP	11,5	0,32	15%	9,77	13,3	34	34	100
(1) Abbott		12	0,096	0,8	6	0							6		
(91) Binding Site		10,8	0,44	4,1	10	0							10		
(149) Siemens (Dade, BN, Dimension)		11,9	0,67	5,6	8	0							8		
Other					10	0							10		
							2x 12, 1x 58, 4x 60, 2x 162, 1x 179								
(427) IgG1	[g/L]				35							31	30	97	
Sample A		11,5	1,3	11	35							31	30	97	
(91) Binding Site		10,5	0,42	4	19	0	CVPG	10,5	0,24	15%	8,92	12,1	19		
(149) Siemens (Dade, BN, Dimension)		12,7	0,55	4,3	12	0	CVPG	12,7	0,39	15%	10,7	14,7	12		
Other					4	0							0		
							2x 162, 1x 173, 1x 179								
Sample B		6,33	1,1	17	35							31	31	100	
(91) Binding Site		5,48	0,26	4,8	19	0	CVPG	5,48	0,15	15%	4,65	6,31	19		
(149) Siemens (Dade, BN, Dimension)		7,34	0,25	3,4	12	0	CVPG	7,34	0,18	15%	6,23	8,45	12		
Other					4	0							0		
							2x 162, 1x 173, 1x 179								
(428) IgG2	[g/L]				35							31	31	100	
Sample A		3,67	0,2	5,5	35							31	31	100	
(91) Binding Site		3,62	0,15	4,2	19	0	CVPG	3,62	0,085	15%	3,07	4,17	19		
(149) Siemens (Dade, BN, Dimension)		3,76	0,25	6,8	12	0	CVPG	3,76	0,18	15%	3,19	4,33	12		
Other					4	0							0		
							2x 162, 1x 173, 1x 179								
Sample B		3,71	0,25	6,8	35							31	31	100	
(91) Binding Site		3,54	0,13	3,8	19	0	CVPG	3,54	0,075	15%	3	4,08	19		
(149) Siemens (Dade, BN, Dimension)		3,96	0,16	4,1	12	0	CVPG	3,96	0,11	15%	3,36	4,56	12		
Other					4	0							0		
							2x 162, 1x 173, 1x 179								
(429) IgG3	[g/L]				35							31	31	100	
Sample A		0,646	0,18	28	35							31	31	100	
(91) Binding Site		0,789	0,045	5,6	19	0	CVPG	0,789	0,025	19%	0,639	0,939	19		
(149) Siemens (Dade, BN, Dimension)		0,478	0,023	4,8	12	0	CVPG	0,478	0,016	19%	0,387	0,569	12		
Other					4	0							0		
							2x 162, 1x 173, 1x 179								
Sample B		0,466	0,14	31	35							31	31	100	
(91) Binding Site		0,575	0,03	5,2	19	0	CVPG	0,575	0,017	19%	0,465	0,685	19		
(149) Siemens (Dade, BN, Dimension)		0,334	0,01	3	12	0	CVPG	0,334	0,007	19%	0,27	0,398	12		
Other					4	0							0		
							2x 162, 1x 173, 1x 179								
(430) IgG4	[g/L]				35							31	31	100	
Sample A		0,306	0,06	20	35							31	31	100	
(91) Binding Site		0,259	0,012	4,7	19	0	CVPG	0,259	0,007	21%	0,204	0,314	19		
(149) Siemens (Dade, BN, Dimension)		0,363	0,022	6,1	12	0	CVPG	0,363	0,016	21%	0,286	0,44	12		
Other					4	0							0		
							2x 162, 1x 173, 1x 179								
Sample B		1,36	0,5	37	35							31	31	100	
(91) Binding Site		0,976	0,051	5,3	19	0	CVPG	0,976	0,029	21%	0,771	1,19	19		
(149) Siemens (Dade, BN, Dimension)		1,82	0,12	6,5	12	0	CVPG	1,82	0,083	21%	1,43	2,21	12		
Other					4	0							0		
							2x 162, 1x 173, 1x 179								