

EQA round: GP2/23 - Detection of Monoclonal Components

Deadline: 22.9.2023

Setup: 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			
(247) Gammopathies (quantity 1) (plasma)	[g/L]				88							88	73	83
Sample A												88	73	83
All results		12,8	2,9	23	88	0	CVP	12,8	0,76	33%	8,57	17,1	88	
(279) Total protein (plasma)	[g/L]				88							88	88	100
Sample A												88	88	100
All results		48,9	1	2,1	88	0	CVP	48,9	0,27	8%	44,9	52,9	88	
(314) FLC kappa (plasma)	[mg/L]				57							57	54	95
Sample A												57	54	95
All results		2710	430	16	57	0	CVP	2710	140	50%	1350	4070	57	
(315) FLC lambda (plasma)	[mg/L]				57							57	51	89
Sample A												57	51	89
All results		2,86	0,51	18	57	0	CVP	2,86	0,16	±3	0	5,86	57	
(545) Gammopathies (quantity 1) (urine)	[g/L]				32							32	23	72
Sample B												32	23	72
All results		0,093	0,06	65	32	0	CVP	0,093	0,026	66%	0,031	0,155	32	
(546) Gammopathies (quantity 2) (urine)	[g/L]				10							10	5	50
Sample B												10	5	50
All results		0,12	0,13	110	10	0	CVP	0,12	0,098	66%	0,04	0,2	10	
(550) Total protein (urine)	[g/L]				80							65	64	98
Sample B		0,264	0,09	34	80							65	64	98
(0) not specified		0,235	0,067	28	6	0						0		
(1) Abbott		0,205	0,01	4,7	13	0	CVPG	0,205	0,007	30%	0,143	0,267	13	
(58) Beckman Coulter (AU)		0,353	0,015	4,1	13	0	CVPG	0,353	0,01	30%	0,247	0,459	13	
(60) Roche		0,2	0,015	7,3	31	0	CVPG	0,2	0,007	30%	0,14	0,26	31	
(162) Siemens (Atellica)		0,391	0,022	5,5	8	0	CVPG	0,391	0,016	30%	0,273	0,509	8	
Other					9	0						0		

1x 12, 2x 75, 1x 158, 3x 179, 1x 998, 1x 999