

EQA round: GP2/24 - Detection of Monoclonal Components

Deadline: 20.9.2024

Setup: Slovakia; 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	U _{AV} = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N _{tot} = total number of the results		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			
Set 1 (plasma)														
(247) Gammopathies (quantity 1) (plasma)	[g/L]				15							15	15	100
Sample A1												15	15	100
All results		10,3	1,4	14	15	0	CVP	10,7	0,46	33%	7,16	14,3	15	
Sample B1												15	15	100
All results		24,8	2,2	8,7	15	0	CVP	25,9	0,76	33%	17,3	34,5	15	
(279) Total protein (plasma)	[g/L]				15							15	15	100
Sample A1												15	15	100
All results		53,8	1,3	2,4	15	0	CVP	54,3	0,32	8%	49,9	58,7	15	
Sample B1												15	15	100
All results		72,3	0,99	1,4	15	0	CVP	73,1	0,4	8%	67,2	79	15	
(314) FLC kappa (plasma)	[mg/L]				13							13	10	77
Sample A1												13	13	100
All results		5,16	0,43	8,3	13	0	CVP	5,45	0,25	±3	2,45	8,45	13	
Sample B1												13	10	77
All results		114	57	50	13	0	CVP	141	10	50%	70,5	212	13	
(315) FLC lambda (plasma)	[mg/L]				13							13	11	85
Sample A1												13	12	92
All results		9,77	1,7	17	13	0	CVP	10,1	0,51	50%	5,05	15,2	13	
Sample B1												13	12	92
All results		3,11	0,44	14	13	0	CVP	3,16	0,13	±3	0,16	6,16	13	
(318) Index kappa/lambda	[-]				11							11	8	73
Sample A1												11	11	100
All results		0,504	0,13	26	11	0	CVP	0,549	0,043	58%	0,23	0,868	11	
Sample B1												11	8	73
All results		32,6	20	62	11	0	CVP	42,8	4,6	58%	17,9	67,7	11	
Set 2 (urine)														
(545) Gammopathies (quantity 1) (urine)	[g/L]				9							9	7	78
Sample A2												9	7	78
All results		1,8	0,39	22	9	0	CVP	1,49	0,19	66%	0,506	2,48	9	
Sample B2												9	8	89
All results		0,377	0,14	38	9	0	CVP	0,332	0,062	66%	0,112	0,552	9	
(546) Gammopathies (quantity 2) (urine)	[g/L]				1							1	1	100
Sample A2												1	1	100
Other		2,5			1		CVP	1,93	0,9	66%	0,656	3,21	1	
					1	0						1		
							1x							
Sample B2												1	1	100
Other		0,55			1		CVP	0,4	0,41	66%	0,136	0,664	1	
					1	0						1		
							1x							
(547) Gammopathies (quantity 3) (urine)	[g/L]				3							3	3	100
Sample B2												3	3	100
Other		0,165	0,05	30	3		CVP	0,137	0,039	66%	0,046	0,228	3	
					3	0						3		
							3x							
(550) Total protein (urine)	[g/L]				13							10	10	100
Sample A2												10	10	100
Other		2,67	0,66	25	13							10		
					13	0						10		
							3x 1, 1x 12, 4x 58, 3x 60, 1x 75, 1x 178							
Sample B2												10	10	100
Other		1,1	0,27	25	13							10		
					13	0						10		
							3x 1, 1x 12, 4x 58, 3x 60, 1x 75, 1x 178							