

## EQA round: GP1/24 - Detection of Monoclonal Components

Deadline: 1.3.2024

Setup: Slovakia

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N<sub>tot</sub> = total number of the resultsN<sub>out</sub> = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

U<sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)D<sub>max</sub> = acceptable difference

LL = lower limit

UL = upper limit

N<sub>eva</sub> = number of the results assessedN<sub>suc</sub> = number of successful resultsS<sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL			
<b>Set 1 (plasma)</b>														
(247) Gammopathies (quantity 1) (plasma)	[g/L]				15							15	14	93
Sample A1												15	14	93
All results		48,4	3,2	6,6	15	0	CVP	47,1	1,3	33%	31,5	62,7	15	
Sample B1												15	14	93
All results		29	4,2	15	15	0	CVP	28,6	1,3	33%	19,1	38,1	15	
(279) Total protein (plasma)	[g/L]				15							15	15	100
Sample A1												15	15	100
All results		76,5	2,6	3,4	15	0	CVP	76,7	0,48	8%	70,5	82,9	15	
Sample B1												15	15	100
All results		68,6	1,4	2	15	0	CVP	68,7	0,4	8%	63,2	74,2	15	
(314) FLC kappa (plasma)	[mg/L]				13							13	11	85
Sample A1												13	12	92
All results		10,3	1,1	11	13	0	CVP	10	0,35	50%	5	15	13	
Sample B1												13	12	92
All results		6240	1400	22	13	1	CVP	5930	380	50%	2960	8900	13	
(315) FLC lambda (plasma)	[mg/L]				13							13	12	92
Sample A1												13	13	100
All results		22,8	1,5	6,6	13	0	CVP	23,3	0,76	50%	11,6	35	13	
Sample B1												13	12	92
All results		3,09	0,6	19	13	0	CVP	3,49	0,4	±3	0,49	6,49	13	
(318) Index kappa/lambda	[-]				12							12	10	83
Sample A1												12	11	92
All results		0,44	0,056	13	12	0	CVP	0,428	0,023	32%	0,291	0,565	12	
Sample B1												12	11	92
All results		1930	770	40	12	1	CVP	1830	240	78%	402	3260	12	
<b>Set 2 (urine)</b>														
(545) Gammopathies (quantity 1) (urine)	[g/L]				4							4	3	75
Sample A2												4	3	75
All results		0,25	0,22	89	4	0	CVP	0,368	0,085	66%	0,125	0,611	4	
Sample B2												4	4	100
All results		0,07	0,045	65	4	0	CVP	0,099	0,023	66%	0,033	0,165	4	
(546) Gammopathies (quantity 2) (urine)	[g/L]				2							2	0	0
Sample A2												2	0	0
All results		1,2	0	0	2	1	CVP	0,474	0,73	66%	0,161	0,787	2	
Sample B2												2	2	100
All results		0,1	0	0	2	0	CVP	0,076	0,035	66%	0,025	0,127	2	
(547) Gammopathies (quantity 3) (urine)	[g/L]				3							3	0	0
Sample A2												3	3	100
All results		0,133	0,047	35	3	0	CVP	0,142	0,038	66%	0,048	0,236	3	
Sample B2												3	0	0
All results		0,055	0,045	82	3	1	CVP	0,046	0,034	66%	0,015	0,077	3	
(550) Total protein (urine)	[g/L]				8							8	8	100
Sample A2												8	8	100
All results		1,26	0,49	39	8	0	CVP	1,17	0,093	46%	0,631	1,71	8	
Sample B2												8	8	100
All results		0,279	0,091	33	8	0	CVP	0,276	0,022	46%	0,149	0,403	8	