

## EQA round: GP1/23 - Detection of Monoclonal Components

Deadline: 3.3.2023

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

CVPG = consensus of the participants' groups

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>(247) Gammopathies (quantity 1) (plasma)</b>	[g/L]				15								15	13	87
<b>Sample A</b>													15	13	87
All results		0,978	0,31	31	15	1	CVP	1,1	0,11	70%	0,33	1,87	15		
<b>Sample B</b>													15	15	100
All results		8,75	1,1	12	15	0	CVP	9,21	0,42	33%	6,17	12,3	15		
<b>(279) Total protein (plasma)</b>	[g/L]				14								14	14	100
<b>Sample A</b>													14	14	100
All results		57,1	1,9	3,3	14	0	CVP	57,7	0,34	8%	53	62,4	14		
<b>Sample B</b>													14	14	100
All results		62,7	2	3,2	14	0	CVP	63,4	0,33	8%	58,3	68,5	14		
<b>(314) FLC kappa (plasma)</b>	[mg/L]				13								13	12	92
<b>Sample A</b>													13	13	100
All results (without individual groups)		11	1	9,2	13								13		
(149) Siemens (Dade, BN, Dimension)		11,1	0,94	8,4	11	0	CVP	11,1	0,41	50%	5,55	16,7	11		
<b>Sample B</b>													13	12	92
All results (without individual groups)		52,1	4,4	8,5	13								13		
(149) Siemens (Dade, BN, Dimension)		52,8	4,1	7,7	11	0	CVP	53,6	1,8	50%	26,8	80,4	11		
<b>Sample B</b>													13	13	100
All results (without individual groups)		35,6	15	41	2	0	CVPG	22,6	3,3	50%	11,3	33,9	2		
(149) Siemens (Dade, BN, Dimension)		35,6	15	41	2	0	CVPG	22,6	3,3	50%	11,3	33,9	2		
<b>(315) FLC lambda (plasma)</b>	[mg/L]				13								13	13	100
<b>Sample A</b>													13	13	100
All results (without individual groups)		9,87	1,3	14	13								13		
(149) Siemens (Dade, BN, Dimension)		10,1	1,1	11	11	0	CVP	10,2	0,51	50%	5,1	15,3	11		
<b>Sample B</b>													13	13	100
All results (without individual groups)		7,59	1,5	19	13								13		
(149) Siemens (Dade, BN, Dimension)		8,22	1,9	23	2	0	CVPG	7,17	1,7	50%	3,58	10,8	2		
<b>Sample B</b>													13	13	100
All results (without individual groups)		7,85	1,4	18	11	0	CVP	8,2	0,52	50%	4,1	12,3	11		
(149) Siemens (Dade, BN, Dimension)		6,35	0,65	10	2	0	CVPG	6,35	1,3	50%	3,17	9,53	2		