

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

Deadline: 1.3.2024

Setup: groups - R (manufacturer of kit)

AV = assigned value

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessed

CVP = consensus of all participants

N<sub>rel</sub> = relative number of the resultsN<sub>suc</sub> = number of successful results

&gt;&gt;&gt; ... expected result

S<sub>rel</sub> = relative success

&gt; ... acceptable result

± ... result not assessed

Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
<b>Set 1 (plasma)</b>							
(246) Gammopathies (typisation) (plasma)		96			96	94	98
<b>Sample A1</b>		96			96	96	100
(12) Beckman Coulter	CVP >>>	1	1	IgG-lambda			
(34) Sebia	CVP >>>	66	69	IgG-lambda			
(100) Helena	CVP >>>	1	1	IgG-lambda			
(213) Interlab Srl	CVP >>>	28	29	IgG-lambda			
<b>Sample B1</b>		96			96	94	98
(12) Beckman Coulter	CVP >>>	1	1	IgA-kappa			
(34) Sebia	CVP >>>	56	58	IgA-kappa			
	>	8	8,3	IgA-kappa; kappa-free			
		1	1	kappa-free			
		1	1	Monoclonal immunoglobulin not present			
(100) Helena	CVP >>>	1	1	IgA-kappa			
(213) Interlab Srl	CVP >>>	26	27	IgA-kappa			
	>	2	2,1	IgA-kappa; kappa-free			
<b>Set 2 (urine)</b>							
(540) Gammopathies (typisation) (urine)		60			60	52	87
<b>Sample A2</b>		60			60	53	88
(0) not specified	>	4	6,7	kappa-free			
(34) Sebia		2	3,3	kappa			
	>	11	18	kappa-free			
	>	15	25	kappa-free; IgA-kappa			
		1	1,7	kappa-free; IgG-kappa			
	>	8	13	kappa-free; kappa			
	>	2	3,3	kappa-free; kappa; IgA-kappa			
		1	1,7	kappa-free; kappa; IgG-kappa			
(91) Binding Site	>	1	1,7	kappa-free; IgA-kappa			
(213) Interlab Srl		1	1,7	kappa			
		1	1,7	kappa; IgA-kappa			
	>	3	5	kappa-free			
	>	3	5	kappa-free; IgA-kappa			
	>	6	10	kappa-free; kappa			
		1	1,7	kappa-free; kappa; IgG-kappa			
<b>Sample B2</b>		60			60	56	93
(0) not specified	>	3	5	lambda-free			
	>	1	1,7	lambda-free; lambda			
(34) Sebia		1	1,7	lambda			
	>	11	18	lambda-free			
	>	15	25	lambda-free; IgG-lambda			
	>	12	20	lambda-free; lambda			
	>	1	1,7	lambda-free; lambda; IgG-lambda			
(91) Binding Site	>	1	1,7	lambda-free; IgG-lambda			
(213) Interlab Srl		2	3,3	lambda			
	>	4	6,7	lambda-free			
	>	1	1,7	lambda-free; IgG-lambda			
	>	6	10	lambda-free; lambda			
	>	1	1,7	lambda-free; lambda; IgG-lambda			
		1	1,7	Monoclonal immunoglobulin not present			