

EQA round: DGP3/23 - Urine Strip Tests Analysis

Deadline: 1.12.2023

Setup: groups - R (strip manufacturer)

AV = assigned value

N_{tot} = total number of the resultsN_{eva} = number of the results assessed

CVP = consensus of all participants

N_{rel} = relative number of the resultsN_{suc} = number of successful results

>>> ... expected result

S_{rel} = relative success

> ... acceptable result

± ... result not assessed

Test Sample Group	Frequency of the results					Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
(268) Bilirubin		315			315	313	99	
Sample A		315			315	314	100	
(5) Dialab	CVP >>>	4	1,3	Negative				
(12) Beckman Coulter	CVP >>>	12	3,8	Negative				
(18) Cormay	CVP >>>	5	1,6	Negative				
(46) Erba Lachema	CVP >>>	43	14	Negative				
(49) BioVendor	CVP >>>	10	3,2	Negative				
(60) Roche	CVP >>>	29	9,2	Negative				
(63) Sysmex	CVP >>>	18	5,7	Negative				
(82) PerkinElmer	CVP >>>	1	0,3	Negative				
(109) Axis-Shield	CVP >>>	3	1	Negative				
(150) Arkray	CVP >>>	20	6,3	Negative				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative				
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative				
(179) Siemens	CVP >>>	38	12	Negative				
(197) Analyticon	CVP >>>	2	0,6	Negative				
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative				
(202) Dirui	CVP >>>	67	21	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative				
(999) another manufacturer	CVP >>>	4	1,3	Negative				
		1	0,3	1+, 2+				
Sample B		315			315	313	99	
(5) Dialab	CVP >>>	4	1,3	Negative				
(12) Beckman Coulter	CVP >>>	12	3,8	Negative				
(18) Cormay	CVP >>>	5	1,6	Negative				
(46) Erba Lachema		1	0,3	Not specified				
	CVP >>>	42	13	Negative				
(49) BioVendor	CVP >>>	10	3,2	Negative				
(60) Roche	CVP >>>	29	9,2	Negative				
(63) Sysmex	CVP >>>	18	5,7	Negative				
(82) PerkinElmer	CVP >>>	1	0,3	Negative				
(109) Axis-Shield	CVP >>>	3	1	Negative				
(150) Arkray	CVP >>>	20	6,3	Negative				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative				
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative				
(179) Siemens	CVP >>>	38	12	Negative				
(197) Analyticon	CVP >>>	2	0,6	Negative				
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative				
(202) Dirui	CVP >>>	67	21	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative				
(999) another manufacturer	CVP >>>	4	1,3	Negative				
		1	0,3	1+, 2+				
(264) Total protein		316			316	312	99	
Sample A		316			316	312	99	
(5) Dialab	CVP >>>	3	0,9	Negative, < 0,3 g/L				
		1	0,3	> 2,5 g/L				
(12) Beckman Coulter	CVP >>>	12	3,8	Negative, < 0,3 g/L				
(18) Cormay	CVP >>>	4	1,3	Negative, < 0,3 g/L				
(46) Erba Lachema	CVP >>>	43	14	Negative, < 0,3 g/L				
		1	0,3	0,3 - 0,5 g/L				
		1	0,3	0,51 - 2,5 g/L				
(49) BioVendor	CVP >>>	10	3,2	Negative, < 0,3 g/L				
(60) Roche	CVP >>>	29	9,2	Negative, < 0,3 g/L				
(63) Sysmex	CVP >>>	19	6	Negative, < 0,3 g/L				
(109) Axis-Shield	CVP >>>	2	0,6	Negative, < 0,3 g/L				
(150) Arkray	CVP >>>	20	6,3	Negative, < 0,3 g/L				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 0,3 g/L				
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative, < 0,3 g/L				
(179) Siemens	CVP >>>	38	12	Negative, < 0,3 g/L				
(197) Analyticon	CVP >>>	2	0,6	Negative, < 0,3 g/L				
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative, < 0,3 g/L				
(202) Dirui	CVP >>>	67	21	Negative, < 0,3 g/L				
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative, < 0,3 g/L				
(999) another manufacturer	CVP >>>	5	1,6	Negative, < 0,3 g/L				

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Test Sample Group	AV	N _{tot}	N _{rel} [%]	Frequency of the results		Success		
				Result		N _{eva}	N _{suc}	S _{rel} [%]
		1	0,3	0,51 - 2,5 g/L				
Sample B		316				316	313	99
(5) Dialab	CVP >>>	4	1,3	Negative, < 0,3 g/L				
(12) Beckman Coulter	CVP >>>	12	3,8	Negative, < 0,3 g/L				
(18) Cormay	CVP >>>	4	1,3	Negative, < 0,3 g/L				
(46) Erba Lachema	CVP >>>	43	14	Negative, < 0,3 g/L				
		2	0,6	0,3 - 0,5 g/L				
(49) BioVendor	CVP >>>	10	3,2	Negative, < 0,3 g/L				
(60) Roche	CVP >>>	29	9,2	Negative, < 0,3 g/L				
(63) Sysmex	CVP >>>	19	6	Negative, < 0,3 g/L				
(109) Axis-Shield	CVP >>>	2	0,6	Negative, < 0,3 g/L				
(150) Arkray	CVP >>>	20	6,3	Negative, < 0,3 g/L				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 0,3 g/L				
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative, < 0,3 g/L				
(179) Siemens	CVP >>>	38	12	Negative, < 0,3 g/L				
(197) Analyticon	CVP >>>	2	0,6	Negative, < 0,3 g/L				
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative, < 0,3 g/L				
(202) Dirui	CVP >>>	67	21	Negative, < 0,3 g/L				
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative, < 0,3 g/L				
(999) another manufacturer	CVP >>>	5	1,6	Negative, < 0,3 g/L				
		1	0,3	0,3 - 0,5 g/L				
(261) Glucose		317				317	312	98
Sample A		317				317	315	99
(5) Dialab	CVP >>>	2	0,6	2,81 - 11 mmol/L				
	CVP >>>	2	0,6	11,1 - 28 mmol/L				
(12) Beckman Coulter	CVP >>>	5	1,6	2,81 - 11 mmol/L				
	CVP >>>	7	2,2	11,1 - 28 mmol/L				
(18) Cormay	CVP >>>	1	0,3	2,81 - 11 mmol/L				
	CVP >>>	3	0,9	11,1 - 28 mmol/L				
	>	1	0,3	> 28 mmol/L				
(46) Erba Lachema	CVP >>>	10	3,2	2,81 - 11 mmol/L				
	CVP >>>	27	8,5	11,1 - 28 mmol/L				
	>	8	2,5	> 28 mmol/L				
(49) BioVendor	CVP >>>	6	1,9	2,81 - 11 mmol/L				
	CVP >>>	4	1,3	11,1 - 28 mmol/L				
(60) Roche	CVP >>>	12	3,8	2,81 - 11 mmol/L				
	CVP >>>	15	4,7	11,1 - 28 mmol/L				
	>	2	0,6	> 28 mmol/L				
(63) Sysmex	CVP >>>	2	0,6	2,81 - 11 mmol/L				
	CVP >>>	17	5,4	11,1 - 28 mmol/L				
(109) Axis-Shield	CVP >>>	1	0,3	2,81 - 11 mmol/L				
	CVP >>>	1	0,3	11,1 - 28 mmol/L				
(150) Arkray	CVP >>>	11	3,5	2,81 - 11 mmol/L				
	CVP >>>	9	2,8	11,1 - 28 mmol/L				
(161) YD Diagnostics	CVP >>>	1	0,3	11,1 - 28 mmol/L				
(162) Siemens (Atellica)	CVP >>>	6	1,9	2,81 - 11 mmol/L				
	CVP >>>	4	1,3	11,1 - 28 mmol/L				
(179) Siemens		1	0,3	Negative, normal, <= 2,8 mmol/L				
	CVP >>>	20	6,3	2,81 - 11 mmol/L				
	CVP >>>	17	5,4	11,1 - 28 mmol/L				
(197) Analyticon	CVP >>>	2	0,6	11,1 - 28 mmol/L				
(201) Iris Diagnostics	CVP >>>	8	2,5	2,81 - 11 mmol/L				
	CVP >>>	6	1,9	11,1 - 28 mmol/L				
(202) Dirui	CVP >>>	30	9,5	2,81 - 11 mmol/L				
	CVP >>>	34	11	11,1 - 28 mmol/L				
	>	3	0,9	> 28 mmol/L				
(207) 77 Elektronika Kft.	CVP >>>	17	5,4	2,81 - 11 mmol/L				
	CVP >>>	11	3,5	11,1 - 28 mmol/L				
	>	5	1,6	> 28 mmol/L				
(999) another manufacturer		1	0,3	Negative, normal, <= 2,8 mmol/L				
	CVP >>>	1	0,3	2,81 - 11 mmol/L				
	CVP >>>	4	1,3	11,1 - 28 mmol/L				
Sample B		317				317	314	99
(5) Dialab	CVP >>>	4	1,3	Negative, normal, <= 2,8 mmol/L				
(12) Beckman Coulter	CVP >>>	12	3,8	Negative, normal, <= 2,8 mmol/L				
(18) Cormay	CVP >>>	3	0,9	Negative, normal, <= 2,8 mmol/L				
		2	0,6	2,81 - 11 mmol/L				
(46) Erba Lachema	CVP >>>	45	14	Negative, normal, <= 2,8 mmol/L				
(49) BioVendor	CVP >>>	10	3,2	Negative, normal, <= 2,8 mmol/L				

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Test Sample Group	AV	N _{tot}	N _{rel} [%]	Frequency of the results Result	Success		
					N _{eva}	N _{suc}	S _{rel} [%]
(60) Roche	CVP >>>	28	8,8	Negative, normal, <= 2,8 mmol/L			
		1	0,3	11,1 - 28 mmol/L			
(63) Sysmex	CVP >>>	19	6	Negative, normal, <= 2,8 mmol/L			
(109) Axis-Shield	CVP >>>	2	0,6	Negative, normal, <= 2,8 mmol/L			
(150) Arkray	CVP >>>	20	6,3	Negative, normal, <= 2,8 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative, normal, <= 2,8 mmol/L			
(179) Siemens	CVP >>>	38	12	Negative, normal, <= 2,8 mmol/L			
(197) Analyticon	CVP >>>	2	0,6	Negative, normal, <= 2,8 mmol/L			
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative, normal, <= 2,8 mmol/L			
(202) Dirui	CVP >>>	67	21	Negative, normal, <= 2,8 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative, normal, <= 2,8 mmol/L			
(999) another manufacturer	CVP >>>	6	1,9	Negative, normal, <= 2,8 mmol/L			
(275) hCG		14			14	14	100
Sample A		14			14	14	100
(5) Dialab	CVP >>>	3	21	Negative			
(17) Biogema	CVP >>>	3	21	Negative			
(49) BioVendor	CVP >>>	1	7,1	Negative			
(115) BioSystems	CVP >>>	1	7,1	Negative			
(179) Siemens	CVP >>>	2	14	Negative			
(999) another manufacturer	CVP >>>	4	29	Negative			
Sample B		14			14	14	100
(5) Dialab	CVP >>>	3	21	Negative			
(17) Biogema	CVP >>>	3	21	Negative			
(49) BioVendor	CVP >>>	1	7,1	Negative			
(115) BioSystems	CVP >>>	1	7,1	Negative			
(179) Siemens	CVP >>>	2	14	Negative			
(999) another manufacturer	CVP >>>	4	29	Negative			
(263) Ketone bodies		316			316	314	99
Sample A		316			316	314	99
(5) Dialab	CVP >>>	3	0,9	Negative, <= 0,5 mmol/L			
		1	0,3	3+, 4+			
(12) Beckman Coulter	CVP >>>	12	3,8	Negative, <= 0,5 mmol/L			
(18) Cormay	CVP >>>	4	1,3	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
(46) Erba Lachema	CVP >>>	45	14	Negative, <= 0,5 mmol/L			
(49) BioVendor	CVP >>>	10	3,2	Negative, <= 0,5 mmol/L			
(60) Roche	CVP >>>	29	9,2	Negative, <= 0,5 mmol/L			
(63) Sysmex	CVP >>>	19	6	Negative, <= 0,5 mmol/L			
(109) Axis-Shield	CVP >>>	2	0,6	Negative, <= 0,5 mmol/L			
(150) Arkray	CVP >>>	20	6,3	Negative, <= 0,5 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative, <= 0,5 mmol/L			
(179) Siemens	CVP >>>	37	12	Negative, <= 0,5 mmol/L			
(197) Analyticon	CVP >>>	2	0,6	Negative, <= 0,5 mmol/L			
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative, <= 0,5 mmol/L			
(202) Dirui	CVP >>>	67	21	Negative, <= 0,5 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative, <= 0,5 mmol/L			
(999) another manufacturer	CVP >>>	6	1,9	Negative, <= 0,5 mmol/L			
Sample B		316			316	315	100
(5) Dialab	CVP >>>	4	1,3	Negative, <= 0,5 mmol/L			
(12) Beckman Coulter	CVP >>>	12	3,8	Negative, <= 0,5 mmol/L			
(18) Cormay	CVP >>>	4	1,3	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
(46) Erba Lachema	CVP >>>	45	14	Negative, <= 0,5 mmol/L			
(49) BioVendor	CVP >>>	10	3,2	Negative, <= 0,5 mmol/L			
(60) Roche	CVP >>>	29	9,2	Negative, <= 0,5 mmol/L			
(63) Sysmex	CVP >>>	19	6	Negative, <= 0,5 mmol/L			
(109) Axis-Shield	CVP >>>	2	0,6	Negative, <= 0,5 mmol/L			
(150) Arkray	CVP >>>	20	6,3	Negative, <= 0,5 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative, <= 0,5 mmol/L			
(179) Siemens	CVP >>>	37	12	Negative, <= 0,5 mmol/L			
(197) Analyticon	CVP >>>	2	0,6	Negative, <= 0,5 mmol/L			
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative, <= 0,5 mmol/L			
(202) Dirui	CVP >>>	67	21	Negative, <= 0,5 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative, <= 0,5 mmol/L			
(999) another manufacturer	CVP >>>	6	1,9	Negative, <= 0,5 mmol/L			

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Setup: groups - R (strip manufacturer)

Test Sample Group	AV	N _{tot}	Frequency of the results		Success			
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
(272) Blood		317				317	314	99
Sample A		317				317	315	99
(5) Dialab	CVP >>>	3	0,9	Negative				
		1	0,3	> 50 ery/ μ L				
(12) Beckman Coulter	CVP >>>	12	3,8	Negative				
(18) Cormay	CVP >>>	5	1,6	Negative				
(46) Erba Lachema	CVP >>>	45	14	Negative				
(49) BioVendor	CVP >>>	10	3,2	Negative				
(60) Roche	CVP >>>	29	9,1	Negative				
(63) Sysmex	CVP >>>	18	5,7	Negative				
		1	0,3	5 - 12 ery/ μ L				
(109) Axis-Shield	CVP >>>	2	0,6	Negative				
(150) Arkray	CVP >>>	20	6,3	Negative				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative				
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative				
(179) Siemens	CVP >>>	38	12	Negative				
(197) Analyticon	CVP >>>	2	0,6	Negative				
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative				
(202) Dirui	CVP >>>	67	21	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative				
(999) another manufacturer	CVP >>>	6	1,9	Negative				
Sample B		317				317	316	100
(5) Dialab	CVP >>>	4	1,3	Negative				
(12) Beckman Coulter	CVP >>>	12	3,8	Negative				
(18) Cormay	CVP >>>	5	1,6	Negative				
(46) Erba Lachema	CVP >>>	44	14	Negative				
		1	0,3	5 - 12 ery/ μ L				
(49) BioVendor	CVP >>>	10	3,2	Negative				
(60) Roche	CVP >>>	29	9,1	Negative				
(63) Sysmex	CVP >>>	19	6	Negative				
(109) Axis-Shield	CVP >>>	2	0,6	Negative				
(150) Arkray	CVP >>>	20	6,3	Negative				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative				
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative				
(179) Siemens	CVP >>>	38	12	Negative				
(197) Analyticon	CVP >>>	2	0,6	Negative				
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative				
(202) Dirui	CVP >>>	67	21	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative				
(999) another manufacturer	CVP >>>	6	1,9	Negative				
(270) WBC		284				284	281	99
Sample A		284				284	281	99
(5) Dialab	CVP >>>	3	1,1	Negative				
(12) Beckman Coulter	CVP >>>	12	4,2	Negative				
(18) Cormay	CVP >>>	4	1,4	Negative				
		1	0,4	51 - 250 leu/ μ L				
(46) Erba Lachema	CVP >>>	18	6,3	Negative				
(49) BioVendor	CVP >>>	9	3,2	Negative				
		1	0,4	10 - 50 leu/ μ L				
(60) Roche	CVP >>>	28	9,9	Negative				
(63) Sysmex	CVP >>>	18	6,3	Negative				
		1	0,4	10 - 50 leu/ μ L				
(109) Axis-Shield	CVP >>>	2	0,7	Negative				
(150) Arkray	CVP >>>	20	7	Negative				
(162) Siemens (Atellica)	CVP >>>	10	3,5	Negative				
(179) Siemens	CVP >>>	37	13	Negative				
(197) Analyticon	CVP >>>	2	0,7	Negative				
(201) Iris Diagnostics	CVP >>>	12	4,2	Negative				
(202) Dirui	CVP >>>	67	24	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	12	Negative				
(999) another manufacturer	CVP >>>	6	2,1	Negative				
Sample B		284				284	283	100
(5) Dialab	CVP >>>	3	1,1	Negative				
(12) Beckman Coulter	CVP >>>	12	4,2	Negative				
(18) Cormay	CVP >>>	5	1,8	Negative				
(46) Erba Lachema	CVP >>>	18	6,3	Negative				
(49) BioVendor	CVP >>>	10	3,5	Negative				
(60) Roche	CVP >>>	28	9,9	Negative				
(63) Sysmex	CVP >>>	18	6,3	Negative				

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Test Sample Group	AV	N _{tot}	N _{rel} [%]	Frequency of the results Result	Success		
					N _{eva}	N _{suc}	S _{rel} [%]
(109) Axis-Shield	CVP >>>	1	0,4	10 - 50 leu/μL			
(150) Arkray	CVP >>>	2	0,7	Negative			
(162) Siemens (Atellica)	CVP >>>	20	7	Negative			
(179) Siemens	CVP >>>	10	3,5	Negative			
(197) Analyticon	CVP >>>	37	13	Negative			
(201) Iris Diagnostics	CVP >>>	2	0,7	Negative			
(202) Dirui	CVP >>>	12	4,2	Negative			
(207) 77 Elektronika Kft.	CVP >>>	67	24	Negative			
(999) another manufacturer	CVP >>>	33	12	Negative			
(999) another manufacturer	CVP >>>	6	2,1	Negative			
(274) Nitrite		286			286	282	99
Sample A		286			286	282	99
(5) Dialab	CVP >>>	3	1	Negative			
		1	0,3	Positive			
(9) Bayer	CVP >>>	1	0,3	Negative			
(12) Beckman Coulter	CVP >>>	12	4,2	Negative			
(18) Cormay	CVP >>>	4	1,4	Negative			
		1	0,3	Positive			
(46) Erba Lachema	CVP >>>	19	6,6	Negative			
(49) BioVendor	CVP >>>	9	3,1	Negative			
		1	0,3	Positive			
(60) Roche	CVP >>>	27	9,4	Negative			
(63) Sysmex	CVP >>>	19	6,6	Negative			
(109) Axis-Shield	CVP >>>	2	0,7	Negative			
(150) Arkray	CVP >>>	19	6,6	Negative			
(162) Siemens (Atellica)	CVP >>>	10	3,5	Negative			
(179) Siemens	CVP >>>	37	13	Negative			
(197) Analyticon	CVP >>>	2	0,7	Negative			
(201) Iris Diagnostics	CVP >>>	14	4,9	Negative			
(202) Dirui	CVP >>>	67	23	Negative			
(207) 77 Elektronika Kft.	CVP >>>	31	11	Negative			
		1	0,3	Positive			
(999) another manufacturer	CVP >>>	6	2,1	Negative			
Sample B		286			286	285	100
(5) Dialab	CVP >>>	4	1,4	Negative			
(9) Bayer	CVP >>>	1	0,3	Negative			
(12) Beckman Coulter	CVP >>>	12	4,2	Negative			
(18) Cormay	CVP >>>	4	1,4	Negative			
		1	0,3	Positive			
(46) Erba Lachema	CVP >>>	19	6,6	Negative			
(49) BioVendor	CVP >>>	10	3,5	Negative			
(60) Roche	CVP >>>	27	9,4	Negative			
(63) Sysmex	CVP >>>	19	6,6	Negative			
(109) Axis-Shield	CVP >>>	2	0,7	Negative			
(150) Arkray	CVP >>>	19	6,6	Negative			
(162) Siemens (Atellica)	CVP >>>	10	3,5	Negative			
(179) Siemens	CVP >>>	37	13	Negative			
(197) Analyticon	CVP >>>	2	0,7	Negative			
(201) Iris Diagnostics	CVP >>>	14	4,9	Negative			
(202) Dirui	CVP >>>	67	23	Negative			
(207) 77 Elektronika Kft.	CVP >>>	32	11	Negative			
(999) another manufacturer	CVP >>>	6	2,1	Negative			
(273) pH		317			317	310	98
Sample A		317			317	312	98
(5) Dialab	>	1	0,3	7,0			
	>	2	0,6	8,0			
		1	0,3	9,0			
(12) Beckman Coulter	CVP >>>	3	0,9	7,5			
	>	6	1,9	8,0			
	>	3	0,9	8,5			
(18) Cormay		2	0,6	6,0			
	>	2	0,6	6,5			
	>	1	0,3	7,0			
(46) Erba Lachema		1	0,3	6,0			
	>	2	0,6	6,5			
	>	15	4,7	7,0			
	CVP >>>	6	1,9	7,5			
	>	20	6,3	8,0			
		1	0,3	9,0			

EQA round: DGP3/23 - Urine Strip Tests Analysis

Deadline: 1.12.2023

Setup: groups - R (strip manufacturer)

Test Sample Group	AV	N _{tot}	Frequency of the results		Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(49) BioVendor	CVP >>>	8	2,5	7,5			
	>	2	0,6	8,0			
(60) Roche	>	5	1,6	7,0			
	>	24	7,6	8,0			
(63) Sysmex	CVP >>>	19	6	7,5			
(109) Axis-Shield	>	1	0,3	7,0			
	CVP >>>	1	0,3	7,5			
(150) Arkray	>	1	0,3	7,0			
	CVP >>>	11	3,5	7,5			
	>	8	2,5	8,0			
(161) YD Diagnostics	CVP >>>	1	0,3	7,5			
(162) Siemens (Atellica)	CVP >>>	2	0,6	7,5			
	>	5	1,6	8,0			
	>	3	0,9	8,5			
(179) Siemens	>	2	0,6	7,0			
	CVP >>>	8	2,5	7,5			
	>	12	3,8	8,0			
	>	16	5	8,5			
(197) Analyticon	>	1	0,3	7,0			
	>	1	0,3	8,0			
(201) Iris Diagnostics	CVP >>>	1	0,3	7,5			
	>	9	2,8	8,0			
	>	4	1,3	8,5			
(202) Dirui	>	1	0,3	6,5			
	>	5	1,6	7,0			
	CVP >>>	49	15	7,5			
	>	12	3,8	8,0			
(207) 77 Elektronika Kft.	>	2	0,6	7,0			
	CVP >>>	22	6,9	7,5			
	>	9	2,8	8,0			
(999) another manufacturer	>	1	0,3	6,5			
	>	2	0,6	7,0			
	CVP >>>	1	0,3	7,5			
	>	2	0,6	8,0			
Sample B		317			317	315	99
(5) Dialab	>	1	0,3	6,0			
	CVP >>>	3	0,9	6,5			
(12) Beckman Coulter	CVP >>>	12	3,8	6,5			
(18) Cormay	>	4	1,3	6,0			
	CVP >>>	1	0,3	6,5			
(46) Erba Lachema		2	0,6	5,0			
	>	2	0,6	5,5			
	>	20	6,3	6,0			
	CVP >>>	19	6	6,5			
	>	2	0,6	7,0			
(49) BioVendor	>	1	0,3	6,0			
	CVP >>>	9	2,8	6,5			
(60) Roche	>	2	0,6	6,0			
	CVP >>>	8	2,5	6,5			
	>	19	6	7,0			
(63) Sysmex	CVP >>>	19	6	6,5			
(109) Axis-Shield	>	1	0,3	6,0			
	CVP >>>	1	0,3	6,5			
(150) Arkray	>	1	0,3	6,0			
	CVP >>>	19	6	6,5			
(161) YD Diagnostics	CVP >>>	1	0,3	6,5			
(162) Siemens (Atellica)	CVP >>>	6	1,9	6,5			
	>	4	1,3	7,0			
(179) Siemens	>	2	0,6	6,0			
	CVP >>>	21	6,6	6,5			
	>	15	4,7	7,0			
(197) Analyticon	>	1	0,3	6,0			
	CVP >>>	1	0,3	6,5			
(201) Iris Diagnostics	CVP >>>	11	3,5	6,5			
	>	3	0,9	7,0			
(202) Dirui	>	1	0,3	5,5			
	>	24	7,6	6,0			
	CVP >>>	41	13	6,5			
	>	1	0,3	7,0			

EQA round: DGP3/23 - Urine Strip Tests Analysis

Deadline: 1.12.2023

Setup: groups - R (strip manufacturer)

Test Sample Group	AV	N _{tot}	Frequency of the results		Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(207) 77 Elektronika Kft.	CVP >>>	32	10	6,5			
	>	1	0,3	7,0			
(999) another manufacturer	>	3	0,9	6,0			
	CVP >>>	3	0,9	6,5			
(266) Urobilinogen		316			316	312	99
Sample A		316			316	313	99
(5) Dialab	CVP >>>	3	0,9	Negative, < 17 µmol/L			
		1	0,3	3+, 4+			
(12) Beckman Coulter	CVP >>>	12	3,8	Negative, < 17 µmol/L			
(18) Cormay	CVP >>>	4	1,3	Negative, < 17 µmol/L			
		1	0,3	1+, 2+			
(46) Erba Lachema	CVP >>>	44	14	Negative, < 17 µmol/L			
(49) BioVendor	CVP >>>	10	3,2	Negative, < 17 µmol/L			
(60) Roche	CVP >>>	29	9,2	Negative, < 17 µmol/L			
(63) Sysmex	CVP >>>	19	6	Negative, < 17 µmol/L			
(109) Axis-Shield	CVP >>>	2	0,6	Negative, < 17 µmol/L			
(150) Arkray	CVP >>>	20	6,3	Negative, < 17 µmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 17 µmol/L			
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative, < 17 µmol/L			
(179) Siemens	CVP >>>	38	12	Negative, < 17 µmol/L			
(197) Analyticon	CVP >>>	2	0,6	Negative, < 17 µmol/L			
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative, < 17 µmol/L			
(202) Dirui	CVP >>>	67	21	Negative, < 17 µmol/L			
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative, < 17 µmol/L			
(999) another manufacturer	CVP >>>	5	1,6	Negative, < 17 µmol/L			
		1	0,3	1+, 2+			
Sample B		316			316	313	99
(5) Dialab	CVP >>>	4	1,3	Negative, < 17 µmol/L			
(12) Beckman Coulter	CVP >>>	12	3,8	Negative, < 17 µmol/L			
(18) Cormay	CVP >>>	3	0,9	Negative, < 17 µmol/L			
		2	0,6	1+, 2+			
(46) Erba Lachema	CVP >>>	44	14	Negative, < 17 µmol/L			
(49) BioVendor	CVP >>>	10	3,2	Negative, < 17 µmol/L			
(60) Roche	CVP >>>	29	9,2	Negative, < 17 µmol/L			
(63) Sysmex	CVP >>>	19	6	Negative, < 17 µmol/L			
(109) Axis-Shield	CVP >>>	2	0,6	Negative, < 17 µmol/L			
(150) Arkray	CVP >>>	20	6,3	Negative, < 17 µmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 17 µmol/L			
(162) Siemens (Atellica)	CVP >>>	10	3,2	Negative, < 17 µmol/L			
(179) Siemens	CVP >>>	38	12	Negative, < 17 µmol/L			
(197) Analyticon	CVP >>>	2	0,6	Negative, < 17 µmol/L			
(201) Iris Diagnostics	CVP >>>	14	4,4	Negative, < 17 µmol/L			
(202) Dirui	CVP >>>	67	21	Negative, < 17 µmol/L			
(207) 77 Elektronika Kft.	CVP >>>	33	10	Negative, < 17 µmol/L			
(999) another manufacturer	CVP >>>	5	1,6	Negative, < 17 µmol/L			
		1	0,3	1+, 2+			