

EQA round: DGP3/24 - Urine Strip Tests Analysis

Deadline: 29.11.2024

Setup: groups - R (strip manufacturer)

AV = assigned value	N _{tot} = total number of the results	N _{eva} = number of the results assessed
CVP = consensus of all participants	N _{rel} = relative number of the results	N _{suc} = number of successful results
CVPG = consensus of the participants' groups		S _{rel} = relative success
>>> ... expected result		
> ... acceptable result		
± ... result not assessed		

Test Sample Group	AV	N _{tot}	Frequency of the results			Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
(268) Bilirubin		312				286	275	96
Sample A		312				286	277	97
(5) Dialab	CVP >>>	4	1,3	3+, 4+				
(12) Beckman Coulter; (223) Beckman Coulter iChem Velocity / DxU 810c Iris	±	10	3,2	Negative				
	±	3	1	1+, 2+				
(18) Cormay	CVP >>>	4	1,3	3+, 4+				
(46) Erba Lachema		1	0,3	Negative				
	>	3	1	1+, 2+				
	CVP >>>	40	13	3+, 4+				
(49) BioVendor	>	1	0,3	1+, 2+				
	CVP >>>	11	3,5	3+, 4+				
(60) Roche		1	0,3	Negative				
	>	1	0,3	1+, 2+				
	CVP >>>	26	8,3	3+, 4+				
(63) Sysmex		6	1,9	Negative				
	>	1	0,3	1+, 2+				
	CVP >>>	11	3,5	3+, 4+				
(109) Axis-Shield	CVP >>>	1	0,3	3+, 4+				
(150) Arkray	>	1	0,3	1+, 2+				
	CVP >>>	11	3,5	3+, 4+				
(161) YD Diagnostics	CVP >>>	1	0,3	3+, 4+				
(162) Siemens (Atellica)	>	1	0,3	1+, 2+				
	CVP >>>	10	3,2	3+, 4+				
(177) Mindray	CVP >>>	1	0,3	3+, 4+				
(179) Siemens	>	6	1,9	1+, 2+				
	CVP >>>	36	12	3+, 4+				
(197) Analyticon	CVP >>>	2	0,6	3+, 4+				
(201) Iris Diagnostics; (223) Beckman Coulter iChem Velocity / DxU 810c Iris	±	13	4,2	Negative				
(202) Dirui		1	0,3	Negative				
	>	4	1,3	1+, 2+				
	CVP >>>	66	21	3+, 4+				
(207) 77 Elektronika Kft.	>	1	0,3	1+, 2+				
	CVP >>>	27	8,7	3+, 4+				
(999) another manufacturer	CVP >>>	7	2,2	3+, 4+				
Sample B		312				312	309	99
(5) Dialab	CVP >>>	4	1,3	Negative				
(12) Beckman Coulter	CVP >>>	13	4,2	Negative				
(18) Cormay	CVP >>>	4	1,3	Negative				
(46) Erba Lachema	CVP >>>	42	13	Negative				
		1	0,3	1+, 2+				
		1	0,3	3+, 4+				
(49) BioVendor	CVP >>>	12	3,8	Negative				
(60) Roche	CVP >>>	28	9	Negative				
(63) Sysmex	CVP >>>	18	5,8	Negative				
(109) Axis-Shield	CVP >>>	1	0,3	Negative				
(150) Arkray	CVP >>>	12	3,8	Negative				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative				
(162) Siemens (Atellica)	CVP >>>	11	3,5	Negative				
(177) Mindray	CVP >>>	1	0,3	Negative				
(179) Siemens	CVP >>>	41	13	Negative				
		1	0,3	1+, 2+				
(197) Analyticon	CVP >>>	2	0,6	Negative				
(201) Iris Diagnostics	CVP >>>	13	4,2	Negative				
(202) Dirui	CVP >>>	71	23	Negative				
(207) 77 Elektronika Kft.	CVP >>>	28	9	Negative				
(999) another manufacturer	CVP >>>	7	2,2	Negative				
(264) Total protein		316				316	305	97
Sample A		316				316	306	97
(5) Dialab	CVP >>>	4	1,3	> 2,5 g/L				
(12) Beckman Coulter	>	2	0,6	0,51 - 2,5 g/L				
	CVP >>>	11	3,5	> 2,5 g/L				

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Test Sample Group	AV	N _{tot}	Frequency of the results		Result	Success		
			N _{rel} [%]			N _{eva}	N _{suc}	S _{rel} [%]
(18) Cormay	CVP >>>	4	1,3		> 2,5 g/L			
(46) Erba Lachema		1	0,3		Negative, < 0,3 g/L			
	>	10	3,2		0,51 - 2,5 g/L			
	CVP >>>	35	11		> 2,5 g/L			
(49) BioVendor		1	0,3		0,3 - 0,5 g/L			
	>	11	3,5		0,51 - 2,5 g/L			
(60) Roche		1	0,3		0,51 - 2,5 g/L			
	CVP >>>	27	8,5		> 2,5 g/L			
(63) Sysmex	CVP >>>	20	6,3		> 2,5 g/L			
(109) Axis-Shield	CVP >>>	1	0,3		> 2,5 g/L			
(150) Arkray	CVP >>>	12	3,8		> 2,5 g/L			
(161) YD Diagnostics	CVP >>>	1	0,3		> 2,5 g/L			
(162) Siemens (Atellica)		2	0,6		0,51 - 2,5 g/L			
	CVP >>>	9	2,8		> 2,5 g/L			
(177) Mindray	CVP >>>	1	0,3		> 2,5 g/L			
(179) Siemens		2	0,6		0,51 - 2,5 g/L			
	>	40	13		> 2,5 g/L			
	CVP >>>	2	0,6		> 2,5 g/L			
(197) Analyticon	CVP >>>	2	0,6		> 2,5 g/L			
(201) Iris Diagnostics	CVP >>>	13	4,1		> 2,5 g/L			
(202) Dirui		1	0,3		Negative, < 0,3 g/L			
		1	0,3		0,3 - 0,5 g/L			
	>	8	2,5		0,51 - 2,5 g/L			
	CVP >>>	61	19		> 2,5 g/L			
(207) 77 Elektronika Kft.		3	0,9		0,3 - 0,5 g/L			
	>	12	3,8		0,51 - 2,5 g/L			
	CVP >>>	13	4,1		> 2,5 g/L			
(999) another manufacturer		3	0,9		0,3 - 0,5 g/L			
	>	1	0,3		0,51 - 2,5 g/L			
	CVP >>>	3	0,9		> 2,5 g/L			
Sample B		316				316	314	99
(5) Dialab	CVP >>>	4	1,3		Negative, < 0,3 g/L			
(12) Beckman Coulter	CVP >>>	13	4,1		Negative, < 0,3 g/L			
(18) Cormay	CVP >>>	4	1,3		Negative, < 0,3 g/L			
(46) Erba Lachema	CVP >>>	45	14		Negative, < 0,3 g/L			
		1	0,3		0,51 - 2,5 g/L			
(49) BioVendor	CVP >>>	12	3,8		Negative, < 0,3 g/L			
(60) Roche	CVP >>>	27	8,5		Negative, < 0,3 g/L			
		1	0,3		> 2,5 g/L			
(63) Sysmex	CVP >>>	20	6,3		Negative, < 0,3 g/L			
(109) Axis-Shield	CVP >>>	1	0,3		Negative, < 0,3 g/L			
(150) Arkray	CVP >>>	12	3,8		Negative, < 0,3 g/L			
(161) YD Diagnostics	CVP >>>	1	0,3		Negative, < 0,3 g/L			
(162) Siemens (Atellica)	CVP >>>	11	3,5		Negative, < 0,3 g/L			
(177) Mindray	CVP >>>	1	0,3		Negative, < 0,3 g/L			
(179) Siemens	CVP >>>	42	13		Negative, < 0,3 g/L			
(197) Analyticon	CVP >>>	2	0,6		Negative, < 0,3 g/L			
(201) Iris Diagnostics	CVP >>>	13	4,1		Negative, < 0,3 g/L			
(202) Dirui	CVP >>>	71	22		Negative, < 0,3 g/L			
(207) 77 Elektronika Kft.	CVP >>>	28	8,9		Negative, < 0,3 g/L			
(999) another manufacturer	CVP >>>	7	2,2		Negative, < 0,3 g/L			
(261) Glucose		316				316	310	98
Sample A		316				316	311	98
(5) Dialab		1	0,3		2,81 - 11 mmol/L			
	>	3	0,9		11,1 - 28 mmol/L			
	CVP >>>	1	0,3		2,81 - 11 mmol/L			
(12) Beckman Coulter		4	1,3		11,1 - 28 mmol/L			
	CVP >>>	8	2,5		> 28 mmol/L			
(18) Cormay		1	0,3		Negative, normal, <= 2,8 mmol/L			
	CVP >>>	3	0,9		11,1 - 28 mmol/L			
(46) Erba Lachema		1	0,3		Negative, normal, <= 2,8 mmol/L			
	CVP >>>	18	5,7		11,1 - 28 mmol/L			
	CVP >>>	26	8,2		> 28 mmol/L			
(49) BioVendor	CVP >>>	12	3,8		> 28 mmol/L			
(60) Roche		1	0,3		Negative, normal, <= 2,8 mmol/L			
	>	1	0,3		2,81 - 11 mmol/L			
	CVP >>>	27	8,5		> 28 mmol/L			
(63) Sysmex	CVP >>>	7	2,2		11,1 - 28 mmol/L			
	CVP >>>	13	4,1		> 28 mmol/L			
(109) Axis-Shield	CVP >>>	1	0,3		11,1 - 28 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} [%]
(150) Arkray	CVP >>>	7	2,2	11,1 - 28 mmol/L			
	CVP >>>	4	1,3	> 28 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	11,1 - 28 mmol/L			
(162) Siemens (Atellica)	>	3	0,9	2,81 - 11 mmol/L			
	CVP >>>	5	1,6	11,1 - 28 mmol/L			
	CVP >>>	3	0,9	> 28 mmol/L			
(177) Mindray	CVP >>>	1	0,3	11,1 - 28 mmol/L			
(179) Siemens		2	0,6	Negative, normal, <= 2,8 mmol/L			
	>	4	1,3	2,81 - 11 mmol/L			
	CVP >>>	25	7,9	11,1 - 28 mmol/L			
	CVP >>>	11	3,5	> 28 mmol/L			
(197) Analyticon	CVP >>>	2	0,6	> 28 mmol/L			
(199) Eurolab Lambda	CVP >>>	1	0,3	11,1 - 28 mmol/L			
(201) Iris Diagnostics	CVP >>>	4	1,3	11,1 - 28 mmol/L			
	CVP >>>	9	2,8	> 28 mmol/L			
(202) Dirui	>	7	2,2	2,81 - 11 mmol/L			
	CVP >>>	51	16	11,1 - 28 mmol/L			
	CVP >>>	13	4,1	> 28 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	1	0,3	11,1 - 28 mmol/L			
	CVP >>>	27	8,5	> 28 mmol/L			
(999) another manufacturer	>	2	0,6	2,81 - 11 mmol/L			
	CVP >>>	3	0,9	11,1 - 28 mmol/L			
	CVP >>>	2	0,6	> 28 mmol/L			
Sample B		316			316	314	99
(5) Dialab	CVP >>>	4	1,3	Negative, normal, <= 2,8 mmol/L			
(12) Beckman Coulter	CVP >>>	13	4,1	Negative, normal, <= 2,8 mmol/L			
(18) Cormay	CVP >>>	3	0,9	Negative, normal, <= 2,8 mmol/L			
		1	0,3	2,81 - 11 mmol/L			
(46) Erba Lachema	CVP >>>	44	14	Negative, normal, <= 2,8 mmol/L			
		1	0,3	11,1 - 28 mmol/L			
(49) BioVendor	CVP >>>	12	3,8	Negative, normal, <= 2,8 mmol/L			
(60) Roche	CVP >>>	29	9,2	Negative, normal, <= 2,8 mmol/L			
(63) Sysmex	CVP >>>	20	6,3	Negative, normal, <= 2,8 mmol/L			
(109) Axis-Shield	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(150) Arkray	CVP >>>	11	3,5	Negative, normal, <= 2,8 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(162) Siemens (Atellica)	CVP >>>	11	3,5	Negative, normal, <= 2,8 mmol/L			
(177) Mindray	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(179) Siemens	CVP >>>	42	13	Negative, normal, <= 2,8 mmol/L			
(197) Analyticon	CVP >>>	2	0,6	Negative, normal, <= 2,8 mmol/L			
(199) Eurolab Lambda	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(201) Iris Diagnostics	CVP >>>	13	4,1	Negative, normal, <= 2,8 mmol/L			
(202) Dirui	CVP >>>	71	22	Negative, normal, <= 2,8 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	28	8,9	Negative, normal, <= 2,8 mmol/L			
(999) another manufacturer	CVP >>>	7	2,2	Negative, normal, <= 2,8 mmol/L			
(275) hCG		13			13	12	92
Sample A		13			13	12	92
(1) Abbott		1	7,7	Not specified			
(5) Dialab	CVP >>>	2	15	Positive			
(17) Biogema	CVP >>>	2	15	Positive			
(49) BioVendor	CVP >>>	1	7,7	Positive			
(115) BioSystems	CVP >>>	1	7,7	Positive			
(179) Siemens	CVP >>>	2	15	Positive			
(999) another manufacturer	CVP >>>	4	31	Positive			
Sample B		13			13	13	100
(1) Abbott	CVP >>>	1	7,7	Negative			
(5) Dialab	CVP >>>	2	15	Negative			
(17) Biogema	CVP >>>	2	15	Negative			
(49) BioVendor	CVP >>>	1	7,7	Negative			
(115) BioSystems	CVP >>>	1	7,7	Negative			
(179) Siemens	CVP >>>	2	15	Negative			
(999) another manufacturer	CVP >>>	4	31	Negative			
(263) Ketone bodies		315			315	299	95
Sample A		315			315	302	96
(5) Dialab	CVP >>>	4	1,3	1+, 2+			
(12) Beckman Coulter	CVP >>>	10	3,2	1+, 2+			
	CVP >>>	3	1	3+, 4+			
(18) Cormay	CVP >>>	3	1	1+, 2+			
	CVP >>>	1	0,3	3+, 4+			

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Setup: groups - R (strip manufacturer)

Test Sample Group	AV	Frequency of the results			Success		
		N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(46) Erba Lachema		1	0,3	Negative, <= 0,5 mmol/L			
	CVP >>>	41	13	1+, 2+			
	CVP >>>	4	1,3	3+, 4+			
(49) BioVendor	CVP >>>	12	3,8	1+, 2+			
(60) Roche		1	0,3	Negative, <= 0,5 mmol/L			
	CVP >>>	27	8,6	3+, 4+			
(63) Sysmex	CVP >>>	19	6	1+, 2+			
	CVP >>>	1	0,3	3+, 4+			
(109) Axis-Shield	CVP >>>	1	0,3	1+, 2+			
(150) Arkray	CVP >>>	1	0,3	1+, 2+			
	CVP >>>	11	3,5	3+, 4+			
(161) YD Diagnostics	CVP >>>	1	0,3	1+, 2+			
(162) Siemens (Atellica)		1	0,3	Negative, <= 0,5 mmol/L			
	CVP >>>	10	3,2	1+, 2+			
(177) Mindray	CVP >>>	1	0,3	1+, 2+			
(179) Siemens		9	2,9	Negative, <= 0,5 mmol/L			
	CVP >>>	29	9,2	1+, 2+			
	CVP >>>	3	1	3+, 4+			
(197) Analyticon	CVP >>>	2	0,6	1+, 2+			
(201) Iris Diagnostics	CVP >>>	7	2,2	1+, 2+			
	CVP >>>	6	1,9	3+, 4+			
(202) Dirui		1	0,3	Negative, <= 0,5 mmol/L			
	CVP >>>	36	11	1+, 2+			
	CVP >>>	34	11	3+, 4+			
(207) 77 Elektronika Kft.	CVP >>>	25	7,9	1+, 2+			
	CVP >>>	3	1	3+, 4+			
(999) another manufacturer	CVP >>>	7	2,2	1+, 2+			
Sample B		315			315	311	99
(5) Dialab	CVP >>>	4	1,3	Negative, <= 0,5 mmol/L			
(12) Beckman Coulter	CVP >>>	13	4,1	Negative, <= 0,5 mmol/L			
(18) Cormay	CVP >>>	3	1	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
(46) Erba Lachema	CVP >>>	44	14	Negative, <= 0,5 mmol/L			
		2	0,6	1+, 2+			
(49) BioVendor	CVP >>>	12	3,8	Negative, <= 0,5 mmol/L			
(60) Roche	CVP >>>	28	8,9	Negative, <= 0,5 mmol/L			
(63) Sysmex	CVP >>>	20	6,3	Negative, <= 0,5 mmol/L			
(109) Axis-Shield	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(150) Arkray	CVP >>>	12	3,8	Negative, <= 0,5 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(162) Siemens (Atellica)	CVP >>>	11	3,5	Negative, <= 0,5 mmol/L			
(177) Mindray	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(179) Siemens	CVP >>>	41	13	Negative, <= 0,5 mmol/L			
(197) Analyticon	CVP >>>	2	0,6	Negative, <= 0,5 mmol/L			
(201) Iris Diagnostics	CVP >>>	13	4,1	Negative, <= 0,5 mmol/L			
(202) Dirui	CVP >>>	70	22	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
(207) 77 Elektronika Kft.	CVP >>>	28	8,9	Negative, <= 0,5 mmol/L			
(999) another manufacturer	CVP >>>	7	2,2	Negative, <= 0,5 mmol/L			
(272) Blood		316			316	305	97
Sample A		316			316	307	97
(5) Dialab	CVP >>>	4	1,3	> 50 ery/ μ L			
(12) Beckman Coulter		1	0,3	5 - 12 ery/ μ L			
	>	7	2,2	13 - 50 ery/ μ L			
	CVP >>>	5	1,6	> 50 ery/ μ L			
(18) Cormay		1	0,3	Negative			
		1	0,3	5 - 12 ery/ μ L			
	CVP >>>	2	0,6	> 50 ery/ μ L			
(46) Erba Lachema		2	0,6	Negative			
	>	7	2,2	13 - 50 ery/ μ L			
	CVP >>>	37	12	> 50 ery/ μ L			
(49) BioVendor		1	0,3	13 - 50 ery/ μ L			
	CVP >>>	11	3,5	> 50 ery/ μ L			
(60) Roche		1	0,3	13 - 50 ery/ μ L			
	CVP >>>	27	8,5	> 50 ery/ μ L			
(63) Sysmex		1	0,3	13 - 50 ery/ μ L			
	CVP >>>	19	6	> 50 ery/ μ L			
(109) Axis-Shield	CVP >>>	1	0,3	> 50 ery/ μ L			
(150) Arkray		3	0,9	13 - 50 ery/ μ L			

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			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(161) YD Diagnostics	CVP >>>	9	2,8	> 50 ery/ μ L			
(162) Siemens (Atellica)	>	3	0,3	> 50 ery/ μ L			
(177) Mindray	CVP >>>	8	2,5	> 50 ery/ μ L			
(179) Siemens	CVP >>>	1	0,3	> 50 ery/ μ L			
	>	8	2,5	13 - 50 ery/ μ L			
(197) Analyticon	CVP >>>	33	10	> 50 ery/ μ L			
(201) Iris Diagnostics	CVP >>>	2	0,6	> 50 ery/ μ L			
	>	6	1,9	13 - 50 ery/ μ L			
(202) Dirui	CVP >>>	5	1,6	> 50 ery/ μ L			
	>	1	0,3	Negative			
	>	9	2,8	13 - 50 ery/ μ L			
(207) 77 Elektronika Kft.	CVP >>>	61	19	> 50 ery/ μ L			
	>	5	1,6	13 - 50 ery/ μ L			
(999) another manufacturer	CVP >>>	23	7,3	> 50 ery/ μ L			
	>	1	0,3	13 - 50 ery/ μ L			
	CVP >>>	6	1,9	> 50 ery/ μ L			
Sample B		316			316	313	99
(5) Dialab	CVP >>>	4	1,3	Negative			
(12) Beckman Coulter	CVP >>>	13	4,1	Negative			
(18) Cormay	CVP >>>	4	1,3	Negative			
(46) Erba Lachema	CVP >>>	45	14	Negative			
		1	0,3	> 50 ery/ μ L			
(49) BioVendor	CVP >>>	11	3,5	Negative			
		1	0,3	5 - 12 ery/ μ L			
(60) Roche	CVP >>>	27	8,5	Negative			
		1	0,3	> 50 ery/ μ L			
(63) Sysmex	CVP >>>	20	6,3	Negative			
(109) Axis-Shield	CVP >>>	1	0,3	Negative			
(150) Arkray	CVP >>>	12	3,8	Negative			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative			
(162) Siemens (Atellica)	CVP >>>	11	3,5	Negative			
(177) Mindray	CVP >>>	1	0,3	Negative			
(179) Siemens	CVP >>>	42	13	Negative			
(197) Analyticon	CVP >>>	2	0,6	Negative			
(201) Iris Diagnostics	CVP >>>	13	4,1	Negative			
(202) Dirui	CVP >>>	71	22	Negative			
(207) 77 Elektronika Kft.	CVP >>>	28	8,9	Negative			
(999) another manufacturer	CVP >>>	7	2,2	Negative			
(270) WBC		287			261	248	95
Sample A		287			261	249	95
(5) Dialab	>	3	1	> 250 leu/ μ L			
(12) Beckman Coulter; (223) Beckman Coulter iChem Velocity / DxU 810c Iris	\pm	12	4,2	Negative			
	\pm	1	0,3	10 - 50 leu/ μ L			
(18) Cormay	>	1	0,3	10 - 50 leu/ μ L			
	CVP >>>	3	1	51 - 250 leu/ μ L			
(46) Erba Lachema		1	0,3	Negative			
	CVP >>>	2	0,7	51 - 250 leu/ μ L			
	>	18	6,3	> 250 leu/ μ L			
(49) BioVendor	>	1	0,3	10 - 50 leu/ μ L			
	CVP >>>	11	3,8	51 - 250 leu/ μ L			
(60) Roche		1	0,3	Negative			
	>	5	1,7	10 - 50 leu/ μ L			
	CVP >>>	20	7	51 - 250 leu/ μ L			
	>	1	0,3	> 250 leu/ μ L			
(63) Sysmex		6	2,1	Negative			
	>	9	3,1	10 - 50 leu/ μ L			
	CVP >>>	5	1,7	51 - 250 leu/ μ L			
(109) Axis-Shield	>	1	0,3	> 250 leu/ μ L			
(150) Arkray	CVP >>>	4	1,4	51 - 250 leu/ μ L			
	>	8	2,8	> 250 leu/ μ L			
(162) Siemens (Atellica)	CVP >>>	8	2,8	51 - 250 leu/ μ L			
	>	3	1	> 250 leu/ μ L			
(177) Mindray	>	1	0,3	10 - 50 leu/ μ L			
(179) Siemens	>	2	0,7	10 - 50 leu/ μ L			
	CVP >>>	26	9,1	51 - 250 leu/ μ L			

EQA round: DGP3/24 - Urine Strip Tests Analysis

Deadline: 29.11.2024

Setup: groups - R (strip manufacturer)

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(197) Analyticon	>	13	4,5	> 250 leu/μL			
		1	0,3	Negative			
(201) Iris Diagnostics; (223) Beckman Coulter iChem Velocity / DxU 810c Iris	>	1	0,3	10 - 50 leu/μL			
	±	10	3,5	Negative			
(202) Dirui		3	1	51 - 250 leu/μL			
	>	11	3,8	10 - 50 leu/μL			
	CVP >>>	53	18	51 - 250 leu/μL			
	>	7	2,4	> 250 leu/μL			
(207) 77 Elektronika Kft.		1	0,3	Negative			
	>	4	1,4	10 - 50 leu/μL			
	CVP >>>	23	8	51 - 250 leu/μL			
(999) another manufacturer		2	0,7	Negative			
	>	1	0,3	10 - 50 leu/μL			
	CVP >>>	2	0,7	51 - 250 leu/μL			
	>	2	0,7	> 250 leu/μL			
Sample B		287			287	285	99
(5) Dialab	CVP >>>	3	1	Negative			
(12) Beckman Coulter	CVP >>>	13	4,5	Negative			
(18) Cormay	CVP >>>	4	1,4	Negative			
(46) Erba Lachema	CVP >>>	19	6,6	Negative			
		1	0,3	51 - 250 leu/μL			
		1	0,3	> 250 leu/μL			
(49) BioVendor	CVP >>>	12	4,2	Negative			
(60) Roche	CVP >>>	27	9,4	Negative			
(63) Sysmex	CVP >>>	20	7	Negative			
(109) Axis-Shield	CVP >>>	1	0,3	Negative			
(150) Arkray	CVP >>>	12	4,2	Negative			
(162) Siemens (Atellica)	CVP >>>	11	3,8	Negative			
(177) Mindray	CVP >>>	1	0,3	Negative			
(179) Siemens	CVP >>>	41	14	Negative			
(197) Analyticon	CVP >>>	2	0,7	Negative			
(201) Iris Diagnostics	CVP >>>	13	4,5	Negative			
(202) Dirui	CVP >>>	71	25	Negative			
(207) 77 Elektronika Kft.	CVP >>>	28	9,8	Negative			
(999) another manufacturer	CVP >>>	7	2,4	Negative			
(274) Nitrite		289			289	281	97
Sample A		289			289	285	99
(5) Dialab	CVP >>>	4	1,4	Positive			
(9) Bayer	CVP >>>	1	0,3	Positive			
(12) Beckman Coulter	CVP >>>	13	4,5	Positive			
(18) Cormay	CVP >>>	4	1,4	Positive			
(46) Erba Lachema		1	0,3	Negative			
	CVP >>>	22	7,6	Positive			
(49) BioVendor	CVP >>>	12	4,2	Positive			
(60) Roche		1	0,3	Negative			
	CVP >>>	25	8,7	Positive			
(63) Sysmex	CVP >>>	20	6,9	Positive			
(109) Axis-Shield	CVP >>>	1	0,3	Positive			
(150) Arkray	CVP >>>	12	4,2	Positive			
(162) Siemens (Atellica)	CVP >>>	11	3,8	Positive			
(177) Mindray	CVP >>>	1	0,3	Positive			
(179) Siemens	CVP >>>	41	14	Positive			
(197) Analyticon	CVP >>>	2	0,7	Positive			
(201) Iris Diagnostics	CVP >>>	13	4,5	Positive			
(202) Dirui		1	0,3	Negative			
	CVP >>>	70	24	Positive			
(207) 77 Elektronika Kft.		1	0,3	Negative			
	CVP >>>	26	9	Positive			
(999) another manufacturer	CVP >>>	7	2,4	Positive			
Sample B		289			289	284	98
(5) Dialab	CVP >>>	4	1,4	Negative			
(9) Bayer	CVP >>>	1	0,3	Negative			
(12) Beckman Coulter	CVP >>>	13	4,5	Negative			
(18) Cormay	CVP >>>	3	1	Negative			
		1	0,3	Positive			
(46) Erba Lachema	CVP >>>	21	7,3	Negative			
		2	0,7	Positive			
(49) BioVendor	CVP >>>	12	4,2	Negative			

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Deadline: 29.11.2024

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} [%]
(60) Roche	CVP >>>	26	9	Negative			
(63) Sysmex	CVP >>>	20	6,9	Negative			
(109) Axis-Shield	CVP >>>	1	0,3	Negative			
(150) Arkray	CVP >>>	12	4,2	Negative			
(162) Siemens (Atellica)	CVP >>>	11	3,8	Negative			
(177) Mindray	CVP >>>	1	0,3	Negative			
(179) Siemens	CVP >>>	41	14	Negative			
(197) Analyticon	CVP >>>	2	0,7	Negative			
(201) Iris Diagnostics	CVP >>>	13	4,5	Negative			
(202) Dirui		1	0,3	Not specified			
	CVP >>>	69	24	Negative			
		1	0,3	Positive			
(207) 77 Elektronika Kft.	CVP >>>	27	9,3	Negative			
(999) another manufacturer	CVP >>>	7	2,4	Negative			
(273) pH		316			316	312	99
Sample A		316			316	314	99
(5) Dialab	CVP >>>	4	1,3	8,0			
(12) Beckman Coulter	>	1	0,3	6,5			
	CVP >>>	11	3,5	7,0			
	CVP >>>	1	0,3	8,0			
(18) Cormay	CVP >>>	1	0,3	7,0			
	CVP >>>	1	0,3	7,5			
	CVP >>>	2	0,6	8,0			
(46) Erba Lachema		1	0,3	5,0			
	>	1	0,3	6,0			
	CVP >>>	21	6,6	7,0			
	CVP >>>	7	2,2	7,5			
	CVP >>>	15	4,7	8,0			
	>	1	0,3	9,0			
(49) BioVendor	>	4	1,3	6,5			
	CVP >>>	8	2,5	7,0			
(60) Roche	>	1	0,3	6,5			
	CVP >>>	4	1,3	7,0			
	CVP >>>	23	7,3	8,0			
(63) Sysmex		1	0,3	5,0			
	CVP >>>	11	3,5	7,5			
	CVP >>>	8	2,5	8,0			
(109) Axis-Shield	CVP >>>	1	0,3	8,0			
(150) Arkray	CVP >>>	1	0,3	7,0			
	CVP >>>	11	3,5	8,0			
(161) YD Diagnostics	CVP >>>	1	0,3	7,5			
(162) Siemens (Atellica)	CVP >>>	2	0,6	7,0			
	CVP >>>	9	2,8	7,5			
(177) Mindray	>	1	0,3	9,0			
(179) Siemens	CVP >>>	3	0,9	7,0			
	CVP >>>	27	8,5	7,5			
	CVP >>>	11	3,5	8,0			
	>	1	0,3	8,5			
(197) Analyticon	CVP >>>	2	0,6	7,0			
(201) Iris Diagnostics	CVP >>>	13	4,1	7,0			
(202) Dirui	>	3	0,9	6,5			
	CVP >>>	3	0,9	7,0			
	CVP >>>	33	10	7,5			
	CVP >>>	32	10	8,0			
(207) 77 Elektronika Kft.	>	13	4,1	6,5			
	CVP >>>	14	4,4	7,0			
	CVP >>>	1	0,3	7,5			
(999) another manufacturer	CVP >>>	5	1,6	7,0			
	CVP >>>	1	0,3	7,5			
	CVP >>>	1	0,3	8,0			
Sample B		316			316	312	99
(5) Dialab	>	4	1,3	6,0			
(12) Beckman Coulter	CVP >>>	5	1,6	5,0			
	>	8	2,5	5,5			
(18) Cormay	CVP >>>	3	0,9	5,0			
	>	1	0,3	6,0			
(46) Erba Lachema	CVP >>>	37	12	5,0			
	>	5	1,6	5,5			
	>	3	0,9	6,0			

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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} [%]	
(49) BioVendor	CVP >>>	10	10	3,2	5,0			
	>	2	2	0,6	5,5			
(60) Roche	CVP >>>	21	21	6,6	5,0			
	>	1	1	0,3	5,5			
	>	4	4	1,3	6,0			
		2	2	0,6	6,5			
(63) Sysmex	CVP >>>	19	19	6	5,0			
		1	1	0,3	8,0			
(109) Axis-Shield	>	1	1	0,3	5,5			
(150) Arkray	CVP >>>	10	10	3,2	5,0			
	>	2	2	0,6	5,5			
(161) YD Diagnostics	CVP >>>	1	1	0,3	5,0			
(162) Siemens (Atellica)	CVP >>>	5	5	1,6	5,0			
	>	6	6	1,9	5,5			
(177) Mindray	CVP >>>	1	1	0,3	5,0			
(179) Siemens	CVP >>>	11	11	3,5	5,0			
	>	21	21	6,6	5,5			
	>	10	10	3,2	6,0			
(197) Analyticon	CVP >>>	2	2	0,6	5,0			
(201) Iris Diagnostics	CVP >>>	4	4	1,3	5,0			
	>	9	9	2,8	5,5			
(202) Dirui	CVP >>>	66	66	21	5,0			
	>	5	5	1,6	5,5			
(207) 77 Elektronika Kft.	CVP >>>	27	27	8,5	5,0			
	>	1	1	0,3	5,5			
(999) another manufacturer	CVP >>>	4	4	1,3	5,0			
	>	1	1	0,3	5,5			
	>	2	2	0,6	6,0			
(266) Urobilinogen			316			316	292	92
Sample A			316			316	295	93
(5) Dialab	CVP >>>	4	4	1,3	1+, 2+			
(12) Beckman Coulter	CVP >>>	11	11	3,5	1+, 2+			
	CVP >>>	2	2	0,6	3+, 4+			
(18) Cormay	CVP >>>	4	4	1,3	3+, 4+			
(46) Erba Lachema		1	1	0,3	Negative, < 17 µmol/L			
	CVP >>>	21	21	6,6	1+, 2+			
	CVP >>>	24	24	7,6	3+, 4+			
(49) BioVendor	CVP >>>	12	12	3,8	3+, 4+			
(60) Roche		1	1	0,3	Negative, < 17 µmol/L			
	CVP >>>	1	1	0,3	1+, 2+			
	CVP >>>	26	26	8,2	3+, 4+			
(63) Sysmex	CVP >>>	16	16	5,1	1+, 2+			
	CVP >>>	4	4	1,3	3+, 4+			
(109) Axis-Shield	CVP >>>	1	1	0,3	1+, 2+			
(150) Arkray	CVP >>>	12	12	3,8	3+, 4+			
(161) YD Diagnostics	CVP >>>	1	1	0,3	3+, 4+			
(162) Siemens (Atellica)		6	6	1,9	Negative, < 17 µmol/L			
	CVP >>>	5	5	1,6	1+, 2+			
(177) Mindray	CVP >>>	1	1	0,3	3+, 4+			
(179) Siemens		12	12	3,8	Negative, < 17 µmol/L			
	CVP >>>	14	14	4,4	1+, 2+			
	CVP >>>	16	16	5,1	3+, 4+			
(197) Analyticon	CVP >>>	2	2	0,6	3+, 4+			
(201) Iris Diagnostics	CVP >>>	12	12	3,8	1+, 2+			
	CVP >>>	1	1	0,3	3+, 4+			
(202) Dirui		1	1	0,3	Negative, < 17 µmol/L			
	CVP >>>	5	5	1,6	1+, 2+			
	CVP >>>	65	65	21	3+, 4+			
(207) 77 Elektronika Kft.	CVP >>>	28	28	8,9	3+, 4+			
(999) another manufacturer	CVP >>>	1	1	0,3	1+, 2+			
	CVP >>>	6	6	1,9	3+, 4+			
Sample B			316			316	312	99
(5) Dialab	CVP >>>	4	4	1,3	Negative, < 17 µmol/L			
(12) Beckman Coulter	CVP >>>	13	13	4,1	Negative, < 17 µmol/L			
(18) Cormay	CVP >>>	3	3	0,9	Negative, < 17 µmol/L			
		1	1	0,3	1+, 2+			
(46) Erba Lachema	CVP >>>	44	44	14	Negative, < 17 µmol/L			
		2	2	0,6	1+, 2+			

EQA round: DGP3/24 - Urine Strip Tests Analysis

Deadline: 29.11.2024

Setup: groups - R (strip manufacturer)

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(49) BioVendor	CVP >>>	12	3,8	Negative, < 17 µmol/L			
(60) Roche	CVP >>>	28	8,9	Negative, < 17 µmol/L			
(63) Sysmex	CVP >>>	20	6,3	Negative, < 17 µmol/L			
(109) Axis-Shield	CVP >>>	1	0,3	Negative, < 17 µmol/L			
(150) Arkray	CVP >>>	12	3,8	Negative, < 17 µmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 17 µmol/L			
(162) Siemens (Atellica)	CVP >>>	11	3,5	Negative, < 17 µmol/L			
(177) Mindray	CVP >>>	1	0,3	Negative, < 17 µmol/L			
(179) Siemens	CVP >>>	42	13	Negative, < 17 µmol/L			
(197) Analyticon	CVP >>>	2	0,6	Negative, < 17 µmol/L			
(201) Iris Diagnostics	CVP >>>	13	4,1	Negative, < 17 µmol/L			
(202) Dirui	CVP >>>	70	22	Negative, < 17 µmol/L			
		1	0,3	1+, 2+			
(207) 77 Elektronika Kft.	CVP >>>	28	8,9	Negative, < 17 µmol/L			
(999) another manufacturer	CVP >>>	7	2,2	Negative, < 17 µmol/L			