

## Summary statistics - qualitative results

(Groups: manufacturer of kit)

## EQA round: DGP1/21 - Urine Strip Tests Analysis

Deadline: 19.02.2021

Key:	>>> ... marks correct (expected) result	N ... number of the results
	> ... marks conditionally correct (acceptable) result	Nrel ... relative number of the results
	± ... marks the result not evaluated	

## Test

Sample	Group	N	Result	N <sub>rel</sub>
<b>(261) Glucose</b>				
A	(5) Dialab	>>> 1	11,1 - 28 mmol/L	0,33 %
	(9) Bayer	>>> 1	11,1 - 28 mmol/L	0,33 %
	(12) Beckman Coulter	> 1	2,81 - 11 mmol/L	0,33 %
		>>> 4	11,1 - 28 mmol/L	1,3 %
		>>> 3	> 28 mmol/L	0,98 %
	(18) Cormay	> 1	2,81 - 11 mmol/L	0,33 %
		>>> 1	11,1 - 28 mmol/L	0,33 %
		>>> 1	> 28 mmol/L	0,33 %
	(46) Erba Lachema	1	Negative, normal, <= 2,8 mmol/L	0,33 %
		>>> 13	11,1 - 28 mmol/L	4,3 %
		>>> 29	> 28 mmol/L	9,5 %
	(49) BioVendor	>>> 3	> 28 mmol/L	0,98 %
	(60) Roche	>>> 1	11,1 - 28 mmol/L	0,33 %
		>>> 31	> 28 mmol/L	10 %
	(63) Sysmex	>>> 2	11,1 - 28 mmol/L	0,66 %
		>>> 4	> 28 mmol/L	1,3 %
	(109) Axis-Shield	1	Negative, normal, <= 2,8 mmol/L	0,33 %
	(125) DOT Diagnostics	>>> 1	> 28 mmol/L	0,33 %
	(150) Arkray	>>> 25	11,1 - 28 mmol/L	8,2 %
		>>> 23	> 28 mmol/L	7,5 %
	(161) YD Diagnostics	>>> 1	11,1 - 28 mmol/L	0,33 %
		>>> 3	> 28 mmol/L	0,98 %
	(179) Siemens	1	Negative, normal, <= 2,8 mmol/L	0,33 %
		> 4	2,81 - 11 mmol/L	1,3 %
		>>> 26	11,1 - 28 mmol/L	8,5 %
		>>> 17	> 28 mmol/L	5,6 %
	(197) Analyticon	>>> 2	> 28 mmol/L	0,66 %
	(201) Iris Diagnostics	> 2	2,81 - 11 mmol/L	0,66 %
		>>> 8	11,1 - 28 mmol/L	2,6 %
		>>> 6	> 28 mmol/L	2,0 %
	(202) Dirui	1	Negative, normal, <= 2,8 mmol/L	0,33 %
		> 3	2,81 - 11 mmol/L	0,98 %
		>>> 48	11,1 - 28 mmol/L	16 %
		>>> 11	> 28 mmol/L	3,6 %
	(207) 77 Elektronika Kft.	>>> 1	11,1 - 28 mmol/L	0,33 %
		>>> 21	> 28 mmol/L	6,9 %
	(999) another manufacturer	>>> 2	11,1 - 28 mmol/L	0,66 %
		>>> 1	> 28 mmol/L	0,33 %
----- Total per sample: n = 305 ----- Success: 99 % -----				
B	(5) Dialab	>>> 1	Negative, normal, <= 2,8 mmol/L	0,33 %
	(9) Bayer	>>> 1	Negative, normal, <= 2,8 mmol/L	0,33 %
	(12) Beckman Coulter	>>> 8	Negative, normal, <= 2,8 mmol/L	2,6 %
	(18) Cormay	>>> 2	Negative, normal, <= 2,8 mmol/L	0,66 %
		1	2,81 - 11 mmol/L	0,33 %
	(46) Erba Lachema	>>> 42	Negative, normal, <= 2,8 mmol/L	14 %
		1	> 28 mmol/L	0,33 %
	(49) BioVendor	>>> 3	Negative, normal, <= 2,8 mmol/L	0,98 %
	(60) Roche	>>> 32	Negative, normal, <= 2,8 mmol/L	10 %
	(63) Sysmex	>>> 6	Negative, normal, <= 2,8 mmol/L	2,0 %
	(109) Axis-Shield	1	> 28 mmol/L	0,33 %
	(125) DOT Diagnostics	>>> 1	Negative, normal, <= 2,8 mmol/L	0,33 %
	(150) Arkray	>>> 48	Negative, normal, <= 2,8 mmol/L	16 %
	(161) YD Diagnostics	>>> 4	Negative, normal, <= 2,8 mmol/L	1,3 %
	(179) Siemens	>>> 47	Negative, normal, <= 2,8 mmol/L	15 %
		1	> 28 mmol/L	0,33 %
	(197) Analyticon	>>> 2	Negative, normal, <= 2,8 mmol/L	0,66 %
	(201) Iris Diagnostics	>>> 16	Negative, normal, <= 2,8 mmol/L	5,2 %
	(202) Dirui	>>> 62	Negative, normal, <= 2,8 mmol/L	20 %
		1	11,1 - 28 mmol/L	0,33 %
	(207) 77 Elektronika Kft.	>>> 22	Negative, normal, <= 2,8 mmol/L	7,2 %
	(999) another manufacturer	>>> 3	Negative, normal, <= 2,8 mmol/L	0,98 %
----- Total per sample: n = 305 ----- Success: 98 % -----				
Total success: 98 %				

**(263) Ketone bodies**

A	(5) Dialab	> 1	1+, 2+	0,33 %
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## Summary statistics - qualitative results

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## EQA round: DGP1/21 - Urine Strip Tests Analysis

Deadline: 19.02.2021

Test	Sample	Group	N	Result	N <sub>rel</sub>	
A	(9)	Bayer	>>>	1 3+, 4+	0,33 %	
	(12)	Beckman Coulter	>	1 1+, 2+	0,33 %	
			>>>	7 3+, 4+	2,3 %	
	(18)	Cormay	>>>	3 3+, 4+	0,98 %	
	(46)	Erba Lachema		1 Negative, <= 0,5 mmol/L	0,33 %	
			>	27 1+, 2+	8,8 %	
			>>>	16 3+, 4+	5,2 %	
	(49)	BioVendor	>	2 1+, 2+	0,65 %	
			>>>	1 3+, 4+	0,33 %	
	(60)	Roche	>	3 1+, 2+	0,98 %	
			>>>	28 3+, 4+	9,2 %	
	(63)	Sysmex	>	6 1+, 2+	2,0 %	
	(109)	Axis-Shield		1 Negative, <= 0,5 mmol/L	0,33 %	
	(125)	DOT Diagnostics	>>>	1 3+, 4+	0,33 %	
	(150)	Arkray	>>>	48 3+, 4+	16 %	
	(161)	YD Diagnostics	>	2 1+, 2+	0,65 %	
			>>>	2 3+, 4+	0,65 %	
	(162)	Siemens (Atellica)	>	1 1+, 2+	0,33 %	
	(179)	Siemens		2 Negative, <= 0,5 mmol/L	0,65 %	
			>	28 1+, 2+	9,2 %	
			>>>	18 3+, 4+	5,9 %	
	(197)	Analyticon	>	2 1+, 2+	0,65 %	
	(201)	Iris Diagnostics	>	5 1+, 2+	1,6 %	
			>>>	11 3+, 4+	3,6 %	
	(202)	Dirui		1 Negative, <= 0,5 mmol/L	0,33 %	
			>	20 1+, 2+	6,5 %	
			>>>	42 3+, 4+	14 %	
	(207)	77 Elektronika Kft.	>	14 1+, 2+	4,6 %	
			>>>	8 3+, 4+	2,6 %	
	(999)	another manufacturer	>	2 1+, 2+	0,65 %	
			>>>	1 3+, 4+	0,33 %	
	----- Total per sample: n = 306 ----- Success: 98 %					
	B	(5)	Dialab	>>>	1 Negative, <= 0,5 mmol/L	0,33 %
(9)		Bayer	>>>	1 Negative, <= 0,5 mmol/L	0,33 %	
(12)		Beckman Coulter	>>>	8 Negative, <= 0,5 mmol/L	2,6 %	
(18)		Cormay	>>>	2 Negative, <= 0,5 mmol/L	0,65 %	
				1 1+, 2+	0,33 %	
(46)		Erba Lachema	>>>	43 Negative, <= 0,5 mmol/L	14 %	
				1 1+, 2+	0,33 %	
(49)		BioVendor	>>>	3 Negative, <= 0,5 mmol/L	0,98 %	
(60)		Roche	>>>	31 Negative, <= 0,5 mmol/L	10 %	
(63)		Sysmex	>>>	6 Negative, <= 0,5 mmol/L	2,0 %	
(109)		Axis-Shield		1 1+, 2+	0,33 %	
(125)		DOT Diagnostics	>>>	1 Negative, <= 0,5 mmol/L	0,33 %	
(150)		Arkray	>>>	48 Negative, <= 0,5 mmol/L	16 %	
(161)		YD Diagnostics	>>>	4 Negative, <= 0,5 mmol/L	1,3 %	
(162)		Siemens (Atellica)	>>>	1 Negative, <= 0,5 mmol/L	0,33 %	
(179)		Siemens	>>>	47 Negative, <= 0,5 mmol/L	15 %	
				1 3+, 4+	0,33 %	
(197)		Analyticon	>>>	2 Negative, <= 0,5 mmol/L	0,65 %	
(201)		Iris Diagnostics	>>>	16 Negative, <= 0,5 mmol/L	5,2 %	
(202)		Dirui	>>>	62 Negative, <= 0,5 mmol/L	20 %	
				1 1+, 2+	0,33 %	
(207)		77 Elektronika Kft.	>>>	22 Negative, <= 0,5 mmol/L	7,2 %	
(999)		another manufacturer	>>>	3 Negative, <= 0,5 mmol/L	0,98 %	
----- Total per sample: n = 306 ----- Success: 98 %						
Total success: 98 %						

## (264) Total protein

A	(5)	Dialab	>>>	1 > 2,5 g/L	0,33 %
	(9)	Bayer	>>>	1 > 2,5 g/L	0,33 %
	(12)	Beckman Coulter	>	4 0,51 - 2,5 g/L	1,3 %
			>>>	4 > 2,5 g/L	1,3 %
	(18)	Cormay	>>>	3 > 2,5 g/L	0,98 %
	(46)	Erba Lachema		1 Negative, < 0,3 g/L	0,33 %
			>	14 0,51 - 2,5 g/L	4,6 %
			>>>	29 > 2,5 g/L	9,5 %
	(49)	BioVendor		1 0,3 - 0,5 g/L	0,33 %
			>	2 0,51 - 2,5 g/L	0,66 %
	(60)	Roche	>	1 0,51 - 2,5 g/L	0,33 %

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Test	Sample	Group	N	Result	N <sub>rel</sub>
A	(60)	Roche	>>> 30	> 2,5 g/L	9,8 %
	(63)	Sysmex	> 2	0,51 - 2,5 g/L	0,66 %
			>>> 4	> 2,5 g/L	1,3 %
	(109)	Axis-Shield	1	Negative, < 0,3 g/L	0,33 %
	(125)	DOT Diagnostics	> 1	0,51 - 2,5 g/L	0,33 %
	(150)	Arkray	> 3	0,51 - 2,5 g/L	0,98 %
			>>> 45	> 2,5 g/L	15 %
	(161)	YD Diagnostics	>>> 4	> 2,5 g/L	1,3 %
	(162)	Siemens (Atellica)	> 1	0,51 - 2,5 g/L	0,33 %
	(179)	Siemens	1	Negative, < 0,3 g/L	0,33 %
			> 7	0,51 - 2,5 g/L	2,3 %
			>>> 39	> 2,5 g/L	13 %
	(197)	Analyticon	> 1	0,51 - 2,5 g/L	0,33 %
			>>> 1	> 2,5 g/L	0,33 %
	(201)	Iris Diagnostics	> 8	0,51 - 2,5 g/L	2,6 %
			>>> 8	> 2,5 g/L	2,6 %
	(202)	Dirui	1	Negative, < 0,3 g/L	0,33 %
			> 10	0,51 - 2,5 g/L	3,3 %
			>>> 52	> 2,5 g/L	17 %
	(207)	77 Elektronika Kft.	2	Negative, < 0,3 g/L	0,66 %
		7	0,3 - 0,5 g/L	2,3 %	
		> 6	0,51 - 2,5 g/L	2,0 %	
		>>> 7	> 2,5 g/L	2,3 %	
(999)	another manufacturer	> 3	0,51 - 2,5 g/L	0,98 %	
Total per sample: n = 305			Success: 95 %		
B	(5)	Dialab	>>> 1	Negative, < 0,3 g/L	0,33 %
	(9)	Bayer	>>> 1	Negative, < 0,3 g/L	0,33 %
	(12)	Beckman Coulter	>>> 8	Negative, < 0,3 g/L	2,6 %
	(18)	Cormay	>>> 3	Negative, < 0,3 g/L	0,98 %
	(46)	Erba Lachema	>>> 43	Negative, < 0,3 g/L	14 %
			1	> 2,5 g/L	0,33 %
	(49)	BioVendor	>>> 3	Negative, < 0,3 g/L	0,98 %
	(60)	Roche	>>> 31	Negative, < 0,3 g/L	10 %
	(63)	Sysmex	>>> 6	Negative, < 0,3 g/L	2,0 %
	(109)	Axis-Shield	1	> 2,5 g/L	0,33 %
	(125)	DOT Diagnostics	>>> 1	Negative, < 0,3 g/L	0,33 %
	(150)	Arkray	>>> 48	Negative, < 0,3 g/L	16 %
	(161)	YD Diagnostics	>>> 4	Negative, < 0,3 g/L	1,3 %
	(162)	Siemens (Atellica)	>>> 1	Negative, < 0,3 g/L	0,33 %
	(179)	Siemens	>>> 46	Negative, < 0,3 g/L	15 %
			1	> 2,5 g/L	0,33 %
	(197)	Analyticon	>>> 2	Negative, < 0,3 g/L	0,66 %
	(201)	Iris Diagnostics	>>> 16	Negative, < 0,3 g/L	5,2 %
	(202)	Dirui	>>> 62	Negative, < 0,3 g/L	20 %
			1	> 2,5 g/L	0,33 %
(207)	77 Elektronika Kft.	>>> 20	Negative, < 0,3 g/L	6,6 %	
		2	> 2,5 g/L	0,66 %	
(999)	another manufacturer	>>> 3	Negative, < 0,3 g/L	0,98 %	
Total per sample: n = 305			Success: 98 %		
Total success: 95 %					

## (266) Urobilinogen

A	(5)	Dialab	>>> 1	3+, 4+	0,33 %
	(9)	Bayer	>>> 1	3+, 4+	0,33 %
	(12)	Beckman Coulter	> 6	1+, 2+	2,0 %
			>>> 2	3+, 4+	0,66 %
	(18)	Cormay	>>> 3	3+, 4+	0,98 %
	(46)	Erba Lachema	2	Negative, < 17 µmol/L	0,66 %
			> 12	1+, 2+	3,9 %
			>>> 29	3+, 4+	9,5 %
	(49)	BioVendor	>>> 3	3+, 4+	0,98 %
	(60)	Roche	> 1	1+, 2+	0,33 %
			>>> 30	3+, 4+	9,8 %
	(63)	Sysmex	> 5	1+, 2+	1,6 %
			>>> 1	3+, 4+	0,33 %
	(109)	Axis-Shield	1	Negative, < 17 µmol/L	0,33 %
	(125)	DOT Diagnostics	>>> 1	3+, 4+	0,33 %
	(150)	Arkray	>>> 48	3+, 4+	16 %
(161)	YD Diagnostics	>>> 4	3+, 4+	1,3 %	
(162)	Siemens (Atellica)	> 1	1+, 2+	0,33 %	

## Summary statistics - qualitative results

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## EQA round: DGP1/21 - Urine Strip Tests Analysis

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Test		N	Result	N <sub>rel</sub>	
Sample	Group				
A	(179) Siemens	2	Negative, < 17 µmol/L	0,66 %	
		> 18	1+, 2+	5,9 %	
		>>> 28	3+, 4+	9,2 %	
	(197) Analyticon	>>> 2	3+, 4+	0,66 %	
	(201) Iris Diagnostics	> 10	1+, 2+	3,3 %	
		>>> 6	3+, 4+	2,0 %	
	(202) Dirui	1	Negative, < 17 µmol/L	0,33 %	
		> 21	1+, 2+	6,9 %	
		>>> 41	3+, 4+	13 %	
	(207) 77 Elektronika Kft.	>>> 22	3+, 4+	7,2 %	
	(999) another manufacturer	>>> 3	3+, 4+	0,98 %	
	Total per sample: n = 305		Success: 98 %		
	B	(5) Dialab	>>> 1	Negative, < 17 µmol/L	0,33 %
		(9) Bayer	>>> 1	Negative, < 17 µmol/L	0,33 %
(12) Beckman Coulter		>>> 8	Negative, < 17 µmol/L	2,6 %	
(18) Cormay		>>> 3	Negative, < 17 µmol/L	0,98 %	
(46) Erba Lachema		>>> 42	Negative, < 17 µmol/L	14 %	
		1	1+, 2+	0,33 %	
(49) BioVendor		>>> 3	Negative, < 17 µmol/L	0,98 %	
(60) Roche		>>> 31	Negative, < 17 µmol/L	10 %	
(63) Sysmex		>>> 6	Negative, < 17 µmol/L	2,0 %	
(109) Axis-Shield		1	3+, 4+	0,33 %	
(125) DOT Diagnostics		>>> 1	Negative, < 17 µmol/L	0,33 %	
(150) Arkray		>>> 48	Negative, < 17 µmol/L	16 %	
(161) YD Diagnostics		>>> 4	Negative, < 17 µmol/L	1,3 %	
(162) Siemens (Atellica)		>>> 1	Negative, < 17 µmol/L	0,33 %	
(179) Siemens		>>> 47	Negative, < 17 µmol/L	15 %	
		1	1+, 2+	0,33 %	
(197) Analyticon		>>> 2	Negative, < 17 µmol/L	0,66 %	
(201) Iris Diagnostics		>>> 16	Negative, < 17 µmol/L	5,2 %	
(202) Dirui		>>> 62	Negative, < 17 µmol/L	20 %	
		1	1+, 2+	0,33 %	
(207) 77 Elektronika Kft.		>>> 22	Negative, < 17 µmol/L	7,2 %	
(999) another manufacturer		>>> 3	Negative, < 17 µmol/L	0,98 %	
Total per sample: n = 305		Success: 99 %			
Total success: 98 %					

## (268) Bilirubin

A	(5) Dialab	>>> 1	3+, 4+	0,33 %
	(9) Bayer	>>> 1	3+, 4+	0,33 %
	(12) Beckman Coulter	1	Negative	0,33 %
		> 6	1+, 2+	2,0 %
		>>> 1	3+, 4+	0,33 %
	(18) Cormay	>>> 3	3+, 4+	1,0 %
	(46) Erba Lachema	1	Negative	0,33 %
		>>> 39	3+, 4+	13 %
	(49) BioVendor	>>> 3	3+, 4+	1,0 %
	(60) Roche	>>> 31	3+, 4+	10 %
	(63) Sysmex	>>> 5	3+, 4+	1,7 %
	(109) Axis-Shield	1	Negative	0,33 %
	(125) DOT Diagnostics	>>> 1	3+, 4+	0,33 %
	(150) Arkray	>>> 48	3+, 4+	16 %
	(161) YD Diagnostics	> 1	1+, 2+	0,33 %
		>>> 3	3+, 4+	1,0 %
	(162) Siemens (Atellica)	>>> 1	3+, 4+	0,33 %
	(179) Siemens	1	Negative	0,33 %
		>>> 47	3+, 4+	16 %
	(197) Analyticon	>>> 2	3+, 4+	0,66 %
	(201) Iris Diagnostics	3	Negative	1,0 %
		> 13	1+, 2+	4,3 %
	(202) Dirui	1	Negative	0,33 %
		> 1	1+, 2+	0,33 %
	>>> 61	3+, 4+	20 %	
(207) 77 Elektronika Kft.	>>> 22	3+, 4+	7,3 %	
(999) another manufacturer	>>> 3	3+, 4+	1,0 %	
Total per sample: n = 301		Success: 97 %		
B	(5) Dialab	>>> 1	Negative	0,33 %
	(9) Bayer	>>> 1	Negative	0,33 %
	(12) Beckman Coulter	>>> 8	Negative	2,7 %
	(18) Cormay	>>> 3	Negative	1,0 %

## Summary statistics - qualitative results

(Groups: manufacturer of kit)

## EQA round: DGP1/21 - Urine Strip Tests Analysis

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Test	Sample	Group	N	Result	N <sub>rel</sub>	
B	(46) Erba Lachema	>>>	39	Negative	13 %	
			1	3+, 4+	0,33 %	
	(49) BioVendor	>>>	3	Negative	1,0 %	
	(60) Roche	>>>	31	Negative	10 %	
	(63) Sysmex	>>>	5	Negative	1,7 %	
	(109) Axis-Shield		1	3+, 4+	0,33 %	
	(125) DOT Diagnostics	>>>	1	Negative	0,33 %	
	(150) Arkray	>>>	48	Negative	16 %	
	(161) YD Diagnostics	>>>	4	Negative	1,3 %	
	(162) Siemens (Atellica)	>>>	1	Negative	0,33 %	
	(179) Siemens	>>>	47	Negative	16 %	
			1	3+, 4+	0,33 %	
	(197) Analyticon	>>>	2	Negative	0,66 %	
	(201) Iris Diagnostics	>>>	16	Negative	5,3 %	
	(202) Dirui	>>>	62	Negative	21 %	
			1	3+, 4+	0,33 %	
	(207) 77 Elektronika Kft.	>>>	22	Negative	7,3 %	
	(999) another manufacturer	>>>	3	Negative	1,0 %	
	Total per sample: n = 301			Success: 99 %		
	Total success: 97 %					

## (270) WBC

A	(5) Dialab	>>>	1	> 250 leu/μL	0,37 %
			1	51 - 250 leu/μL	0,37 %
	(9) Bayer	>>>	1	51 - 250 leu/μL	0,37 %
			1	Negative	0,37 %
	(12) Beckman Coulter	>>>	7	51 - 250 leu/μL	2,6 %
			>	2	10 - 50 leu/μL
	(18) Cormay	>>>	1	51 - 250 leu/μL	0,37 %
			>	1	10 - 50 leu/μL
	(46) Erba Lachema	>>>	1	51 - 250 leu/μL	0,37 %
			>>>	11	> 250 leu/μL
	(49) BioVendor	>>>	1	51 - 250 leu/μL	0,37 %
			>>>	2	> 250 leu/μL
	(60) Roche	>	1	10 - 50 leu/μL	0,37 %
		>>>	6	51 - 250 leu/μL	2,2 %
	(63) Sysmex	>>>	24	> 250 leu/μL	9,0 %
			>	3	10 - 50 leu/μL
	(109) Axis-Shield	>>>	3	51 - 250 leu/μL	1,1 %
			1	Negative	0,37 %
	(125) DOT Diagnostics	>>>	1	> 250 leu/μL	0,37 %
	(150) Arkray	>>>	12	51 - 250 leu/μL	4,5 %
			>>>	36	> 250 leu/μL
	(161) YD Diagnostics	>	1	10 - 50 leu/μL	0,37 %
		>>>	1	51 - 250 leu/μL	0,37 %
	(162) Siemens (Atellica)	>>>	1	51 - 250 leu/μL	0,37 %
			1	Negative	0,37 %
	(179) Siemens	>	1	10 - 50 leu/μL	0,37 %
		>>>	20	51 - 250 leu/μL	7,5 %
	(197) Analyticon	>>>	24	> 250 leu/μL	9,0 %
			>	1	10 - 50 leu/μL
	(201) Iris Diagnostics	>>>	1	51 - 250 leu/μL	0,37 %
			>	7	10 - 50 leu/μL
	(202) Dirui	>>>	7	51 - 250 leu/μL	2,6 %
			1	Negative	0,37 %
	(207) 77 Elektronika Kft.	>	4	10 - 50 leu/μL	1,5 %
		>>>	37	51 - 250 leu/μL	14 %
	(999) another manufacturer	>>>	20	> 250 leu/μL	7,5 %
			2	Negative	0,75 %
		>	2	10 - 50 leu/μL	0,75 %
		>>>	8	51 - 250 leu/μL	3,0 %
		>>>	10	> 250 leu/μL	3,7 %
Total per sample: n = 267			Success: 98 %		
B	(5) Dialab	>>>	1	Negative	0,37 %
	(9) Bayer	>>>	1	Negative	0,37 %
	(12) Beckman Coulter	>>>	8	Negative	3,0 %
	(18) Cormay	>>>	3	Negative	1,1 %
	(46) Erba Lachema	>>>	12	Negative	4,5 %
	(49) BioVendor	>>>	3	Negative	1,1 %
(60) Roche	>>>	31	Negative	12 %	

## Summary statistics - qualitative results

(Groups: manufacturer of kit)

## EQA round: DGP1/21 - Urine Strip Tests Analysis

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Test	Sample	Group	N	Result	N <sub>rel</sub>	
B	(63)	Sysmex	>>>	6 Negative	2,2 %	
	(109)	Axis-Shield		1 > 250 leu/μL	0,37 %	
	(125)	DOT Diagnostics	>>>	1 Negative	0,37 %	
	(150)	Arkray	>>>	48 Negative	18 %	
	(161)	YD Diagnostics	>>>	2 Negative	0,75 %	
	(162)	Siemens (Atellica)	>>>	1 Negative	0,37 %	
	(179)	Siemens	>>>	45 Negative	17 %	
				1 > 250 leu/μL	0,37 %	
	(197)	Analyticon	>>>	2 Negative	0,75 %	
	(201)	Iris Diagnostics	>>>	14 Negative	5,2 %	
	(202)	Dirui	>>>	61 Negative	23 %	
				1 > 250 leu/μL	0,37 %	
	(207)	77 Elektronika Kft.	>>>	22 Negative	8,2 %	
	(999)	another manufacturer	>>>	3 Negative	1,1 %	
	Total per sample: n = 267			Success: 99 %		

Total success: 98 %

## (272) Blood

A	(5)	Dialab	>>>	1 > 50 ery/μL	0,33 %
	(9)	Bayer	>>>	1 > 50 ery/μL	0,33 %
	(12)	Beckman Coulter	>>>	8 > 50 ery/μL	2,6 %
	(18)	Cormay		1 Negative	0,33 %
				> 1 13 - 50 ery/μL	0,33 %
				>>> 1 > 50 ery/μL	0,33 %
	(46)	Erba Lachema		1 Negative	0,33 %
				> 2 13 - 50 ery/μL	0,65 %
				>>> 41 > 50 ery/μL	13 %
	(49)	BioVendor	>>>	3 > 50 ery/μL	0,98 %
	(60)	Roche	>>>	31 > 50 ery/μL	10 %
	(63)	Sysmex	>>>	6 > 50 ery/μL	2,0 %
	(109)	Axis-Shield		1 Negative	0,33 %
	(125)	DOT Diagnostics	>>>	1 > 50 ery/μL	0,33 %
	(150)	Arkray		> 7 13 - 50 ery/μL	2,3 %
				>>> 41 > 50 ery/μL	13 %
	(161)	YD Diagnostics	>>>	4 > 50 ery/μL	1,3 %
	(162)	Siemens (Atellica)		> 1 13 - 50 ery/μL	0,33 %
	(179)	Siemens		1 Negative	0,33 %
				> 6 13 - 50 ery/μL	2,0 %
				>>> 41 > 50 ery/μL	13 %
	(197)	Analyticon	>>>	2 > 50 ery/μL	0,65 %
	(201)	Iris Diagnostics		> 2 13 - 50 ery/μL	0,65 %
				>>> 14 > 50 ery/μL	4,6 %
	(202)	Dirui		1 Negative	0,33 %
				> 4 13 - 50 ery/μL	1,3 %
				>>> 58 > 50 ery/μL	19 %
(207)	77 Elektronika Kft.	>>>	22 > 50 ery/μL	7,2 %	
(999)	another manufacturer		> 2 13 - 50 ery/μL	0,65 %	
			>>> 1 > 50 ery/μL	0,33 %	
Total per sample: n = 306			Success: 98 %		
B	(5)	Dialab	>>>	1 Negative	0,33 %
	(9)	Bayer	>>>	1 Negative	0,33 %
	(12)	Beckman Coulter	>>>	7 Negative	2,3 %
	(18)	Cormay		1 5 - 12 ery/μL	0,33 %
				>>> 2 Negative	0,65 %
				1 5 - 12 ery/μL	0,33 %
	(46)	Erba Lachema	>>>	43 Negative	14 %
				1 > 50 ery/μL	0,33 %
	(49)	BioVendor	>>>	3 Negative	0,98 %
	(60)	Roche	>>>	31 Negative	10 %
	(63)	Sysmex	>>>	6 Negative	2,0 %
	(109)	Axis-Shield		1 > 50 ery/μL	0,33 %
	(125)	DOT Diagnostics	>>>	1 Negative	0,33 %
	(150)	Arkray	>>>	48 Negative	16 %
	(161)	YD Diagnostics	>>>	4 Negative	1,3 %
	(162)	Siemens (Atellica)	>>>	1 Negative	0,33 %
	(179)	Siemens	>>>	47 Negative	15 %
			1 > 50 ery/μL	0,33 %	
(197)	Analyticon	>>>	2 Negative	0,65 %	
(201)	Iris Diagnostics	>>>	16 Negative	5,2 %	
(202)	Dirui	>>>	62 Negative	20 %	

## Summary statistics - qualitative results

(Groups: manufacturer of kit)

## EQA round: DGP1/21 - Urine Strip Tests Analysis

Deadline: 19.02.2021

Test		N	Result	N <sub>rel</sub>
Sample	Group			
B	(202) Dirui	1	> 50 ery/ $\mu$ L	0,33 %
	(207) 77 Elektronika Kft.	>>> 22	Negative	7,2 %
	(999) another manufacturer	>>> 3	Negative	0,98 %
Total per sample: n = 306		Success: 98 %		
Total success: 98 %				

## (273) pH

A	(5) Dialab	> 1	7,5	0,33 %
	(9) Bayer	>>> 1	7,0	0,33 %
	(12) Beckman Coulter	> 7	6,5	2,3 %
		>>> 1	7,0	0,33 %
	(18) Cormay	> 1	6,5	0,33 %
		>>> 2	7,0	0,66 %
	(46) Erba Lachema	1	5,0	0,33 %
		> 3	6,5	0,98 %
		>>> 36	7,0	12 %
		> 1	7,5	0,33 %
		> 2	8,0	0,66 %
		1	9,0	0,33 %
	(49) BioVendor	> 3	6,5	0,98 %
	(60) Roche	>>> 27	7,0	8,9 %
		> 4	7,5	1,3 %
	(63) Sysmex	>>> 1	7,0	0,33 %
		> 5	7,5	1,6 %
	(109) Axis-Shield	> 1	6,0	0,33 %
	(125) DOT Diagnostics	> 1	6,5	0,33 %
	(150) Arkray	>>> 2	7,0	0,66 %
		> 44	7,5	14 %
		> 1	8,0	0,33 %
	(161) YD Diagnostics	> 4	6,5	1,3 %
	(162) Siemens (Atellica)	>>> 1	7,0	0,33 %
	(179) Siemens	1	5,0	0,33 %
		>>> 34	7,0	11 %
		> 12	7,5	3,9 %
	(197) Analyticon	> 1	6,0	0,33 %
		> 1	6,5	0,33 %
	(201) Iris Diagnostics	> 13	6,5	4,3 %
		>>> 3	7,0	0,98 %
	(202) Dirui	1	5,0	0,33 %
		> 3	6,0	0,98 %
		> 5	6,5	1,6 %
		>>> 49	7,0	16 %
		> 6	7,5	2,0 %
	(207) 77 Elektronika Kft.	> 6	6,0	2,0 %
		> 10	6,5	3,3 %
		>>> 5	7,0	1,6 %
		> 1	7,5	0,33 %
	(999) another manufacturer	> 1	6,0	0,33 %
		>>> 1	7,0	0,33 %
		> 1	7,5	0,33 %
Total per sample: n = 305		Success: 99 %		
B	(5) Dialab	> 1	6,0	0,33 %
	(9) Bayer	>>> 1	5,0	0,33 %
	(12) Beckman Coulter	>>> 8	5,0	2,6 %
	(18) Cormay	>>> 2	5,0	0,66 %
		> 1	6,0	0,33 %
	(46) Erba Lachema	>>> 43	5,0	14 %
		1	7,0	0,33 %
	(49) BioVendor	>>> 3	5,0	0,98 %
	(60) Roche	>>> 31	5,0	10 %
	(63) Sysmex	>>> 6	5,0	2,0 %
	(109) Axis-Shield	1	7,0	0,33 %
	(125) DOT Diagnostics	>>> 1	5,0	0,33 %
	(150) Arkray	>>> 46	5,0	15 %
		> 1	5,5	0,33 %
	(161) YD Diagnostics	>>> 4	5,0	1,3 %
	(162) Siemens (Atellica)	>>> 1	5,0	0,33 %
	(179) Siemens	>>> 31	5,0	10 %
		> 12	5,5	3,9 %
		> 3	6,0	0,98 %

## Summary statistics - qualitative results

(Groups: manufacturer of kit)

## EQA round: DGP1/21 - Urine Strip Tests Analysis

Deadline: 19.02.2021

Test	Sample	Group	N	Result	N <sub>rel</sub>	
B	(179)	Siemens	1	7,0	0,33 %	
	(197)	Analyticon	>>>	2 5,0	0,66 %	
	(201)	Iris Diagnostics	>>>	15 5,0	4,9 %	
			>	1 6,0	0,33 %	
	(202)	Dirui	>>>	50 5,0	16 %	
			>	12 5,5	3,9 %	
			>	1 6,0	0,33 %	
				1 7,0	0,33 %	
	(207)	77 Elektronika Kft.	>>>	20 5,0	6,6 %	
			>	2 5,5	0,66 %	
	(999)	another manufacturer	>>>	2 5,0	0,66 %	
			>	1 6,0	0,33 %	
	Total per sample: n = 305			Success: 99 %		
	Total success: 98 %					

## (274) Nitrite

A	(5)	Dialab	>>>	1 Positive	0,37 %
	(9)	Bayer	>>>	2 Positive	0,74 %
	(12)	Beckman Coulter	>>>	8 Positive	3,0 %
	(18)	Cormay	>>>	3 Positive	1,1 %
	(46)	Erba Lachema	>>>	13 Positive	4,8 %
	(49)	BioVendor	>>>	2 Positive	0,74 %
	(60)	Roche	>>>	29 Positive	11 %
	(63)	Sysmex	>>>	6 Positive	2,2 %
	(109)	Axis-Shield		1 Negative	0,37 %
	(125)	DOT Diagnostics	>>>	1 Positive	0,37 %
	(150)	Arkray	>>>	48 Positive	18 %
	(161)	YD Diagnostics	>>>	3 Positive	1,1 %
	(162)	Siemens (Atellica)	>>>	1 Positive	0,37 %
	(179)	Siemens		1 Negative	0,37 %
			>>>	45 Positive	17 %
	(197)	Analyticon	>>>	2 Positive	0,74 %
	(201)	Iris Diagnostics	>>>	16 Positive	5,9 %
	(202)	Dirui		1 Negative	0,37 %
			>>>	62 Positive	23 %
	(207)	77 Elektronika Kft.	>>>	22 Positive	8,1 %
(999)	another manufacturer	>>>	3 Positive	1,1 %	
Total per sample: n = 270			Success: 99 %		
B	(5)	Dialab	>>>	1 Negative	0,37 %
	(9)	Bayer	>>>	2 Negative	0,74 %
	(12)	Beckman Coulter	>>>	8 Negative	3,0 %
	(18)	Cormay	>>>	1 Negative	0,37 %
				2 Positive	0,74 %
	(46)	Erba Lachema	>>>	13 Negative	4,8 %
	(49)	BioVendor	>>>	2 Negative	0,74 %
	(60)	Roche	>>>	29 Negative	11 %
	(63)	Sysmex	>>>	6 Negative	2,2 %
	(109)	Axis-Shield		1 Positive	0,37 %
	(125)	DOT Diagnostics	>>>	1 Negative	0,37 %
	(150)	Arkray	>>>	48 Negative	18 %
	(161)	YD Diagnostics	>>>	3 Negative	1,1 %
	(162)	Siemens (Atellica)	>>>	1 Negative	0,37 %
	(179)	Siemens	>>>	45 Negative	17 %
				1 Positive	0,37 %
	(197)	Analyticon	>>>	2 Negative	0,74 %
	(201)	Iris Diagnostics	>>>	16 Negative	5,9 %
	(202)	Dirui	>>>	62 Negative	23 %
				1 Positive	0,37 %
(207)	77 Elektronika Kft.	>>>	22 Negative	8,1 %	
(999)	another manufacturer	>>>	3 Negative	1,1 %	
Total per sample: n = 270			Success: 98 %		
Total success: 98 %					

## (275) hCG

A	(5)	Dialab	>>>	4 Positive	29 %
	(17)	Biogema	>>>	3 Positive	21 %
	(32)	Human	>>>	2 Positive	14 %
	(115)	BioSystems	>>>	1 Positive	7,1 %
	(999)	another manufacturer	>>>	4 Positive	29 %
Total per sample: n = 14			Success: 100 %		



**Summary statistics - qualitative results**

(Groups: manufacturer of kit)

**EQA round: DGP1/21 - Urine Strip Tests Analysis**

Deadline: 19.02.2021

<b>Test</b>					
Sample	Group		N	Result	N <sub>rel</sub>
B	(5) Dialab	>>>	4	Negative	29 %
	(17) Biogema	>>>	3	Negative	21 %
	(32) Human	>>>	2	Negative	14 %
	(115) BioSystems	>>>	1	Negative	7,1 %
	(999) another manufacturer	>>>	4	Negative	29 %
Total per sample: n = 14			Success: 100 %		
Total success: 100 %					

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End of report

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