

U2 Urine teststrip/HCG**Combur Roche, visuell**

Leucocytes	302*	331*	188*		7			
Lc/ μ L	neg	25	75		500			
Nitrite	673*	156						
	neg	pos						
pH	34	8	211*	123*	442*	2	3	
	5	5.5	6	6.5	7	7.5	8	8.5
Protein	811*		16	1	2			
g/L	neg		0.3	1	5			
Glucose	5	2	7	72*		751*		
mmol/L	norm	2.8	5.5	17		55		
Ketone	822*							
mmol/L	neg		1	5		15		
Urobilinogen	755*							
μ mol/L	norm	17		70	140	200		
Bilirubine	750*	4		1				
	neg	+	++	+++	++++			
Blood	797*	27	2	1	1			
Ery / μ L	neg	10	25	50	250			
Specific gravity	8	54*	326*	76*	6*	2	1	
	1000	1005	1010	1015	1020	1025	1030	

Commentary U2

The urine came from healthy donors to which glucose was added. The glucose concentration was 26 mmol/l. The nitrite was negative both during production and after 4 weeks. The bacterial count in the flow cytometric measurement was within the reference range. With the manual methods, the strip must be read after 60 seconds. With the Urilux/UriSys, both the time interval between the immersion of the strip and the start of the measurement and the cleanliness of the tray are decisive.

U2 Urine teststrip/HCG**Combur Urilux/UriSYS**

Leucocytes	464*	577*	94*					
Lc/ μ L	neg	25	100		500			
Nitrite	1024*	110						
	neg	pos						
pH	1	2	51*	208*	855*		8	
	5	5.5	6	6.5	7	7.5	8	8.5
Protein	1110*		20	3				
g/L	neg		0.25	0.75	1.5	5		
Glucose	6	6	8	59*		1058*		
mmol/L	norm	3	6	17		56		
Ketone	1126*	4	2	1				
mmol/L	neg	0.5	1.5	5		15		
Urobilinogen	1127*	1						
μ mol/L	norm	17		70	140	200		
Bilirubine	1122*	3						
	neg	+	++	+++				
Blood	1099*	27	7		1			
Ery / μ L	neg	10	25	50	250			
Specific gravity	17	476*	470*	109*	7*		2	
	1.000	1.005	1.010	1.015	1.020	1.025	1.030	

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U2 Urine teststrip/HCG**Multistix Clinitek**

Leucocytes	52*	90*	1*	2				
Lc/ μ L	neg	15	70	125	500			
Nitrite	141*	3						
	neg	pos						
pH			12*	98*	34*			
	5	5.5	6	6.5	7	7.5	8	8.5
Protein	144*							
g/L	neg	Spur	0.3	1	3	20		
Glucose				6*	125*	8*	6*	
mmol/L	neg		5.5	14	28	55	111	
Ketone	144*							
mmol/L	neg	0.5	1.5	4	8	16		
Urobilinogen	134*							
μ mol/L	3.2	16	33	66	131			
Bilirubine	134*	1						
	neg	+	++	+++				
Blood	134*	9	1					
Ery / μ L	neg	10	25	80	200			
Specific gravity		7*	12*	50*	63*	5		
	1.000	1.005	1.010	1.015	1.020	1.025	1.030	

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U2 Urine teststrip/HCG**Aution, PocketChem**

Leucocytes	175*	114*	17*	4				
Lc/ μ L	neg	10-25	70-75	125-250	500			
Nitrite	306*	3						
	neg	pos						
pH			4*	293*	10*			
	5	5.5	6	6.5	7	7.5	8	8.5
Protein	305*	3	1	1				
g/L	neg	0.15	0.3	1	3-5	10-20		
Glucose	3	1	13	41*	230*	22*		
mmol/L	norm	2.8	5.6	14-17	28	55	111	
Ketone	304*	3						
mmol/L	neg	0.5	1.5	4-5	8-10	15-16		
Urobilinogen	305*	4	1					
μ mol/L	norm	16	33-35	66-70	131-140	200		
Bilirubine	306*	2						
	neg	+	++	+++				
Blood	304*	1						
Ery / μ L	neg	5-10	25	50-80	250			
Specific gravity		3*	88*	135*	25*	2		
	1.000	1.005	1.010	1.015	1.020	1.025	1.030	

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U2 Urine teststrip/HCG**Combi Screen**

Leucocytes	40*	5*	1*			1		
Lc/ μ L	neg	25	75			500		
Nitrite	45*	1						
	neg	pos						
pH	1		20*	24*	2*			
	5	5.5	6	6.5	7		8	
Protein	47*							
mg/dl	neg	Spur	30	100	500			
Glucose	1			1*	41*	4*		
mmol/L	neg	2.8	5.6	14	28	56		
Ketone	44*	2		1				
	neg	Spur	+	++	+++			
Urobilinogen	46*							
μ mol/L	norm	35	70	140	200			
Bilirubine	46*							
	neg	+	++	+++				
Blood	46*							
Ery / μ L	neg	5-10		50	300			
Specific gravity		2*	1*	38*	2*			
	1.000	1.005	1.010	1.015	1.020	1.025	1.030	

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U2 Urine teststrip/HCG**Sysmex U**

Leucocytes	141*	79*	9*		1			
Lc/ μ L	neg	25	75		500			
Nitrite	226*	3						
	neg	pos						
pH	6	13*	52*	158*	4			
	5	5.5	6	6.5	7	7.5	8	8.5
Protein	226*	4						
g/l	neg	0.15	0.3	1.0	3.0	10.0		
Glucose	2		2	25*	189*		14*	
mmol/L	neg	2.8	5.6	14	28		111	
Ketone	231*							
mmol/L	neg		0.93	2.8	7.4			
Urobilinogen	230*		1					
μ mol/L	norm		34	68	135	202		
Bilirubine	227*	2						
	neg	+	++	+++				
Blood	228*							
Ery / μ l	neg	10	20	50	250			
Specific gravity	2	2*	52*	157*	14*	1		
	1.000	1.005	1.010	1.015	1.020	1.025	1.030	

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The urine came from healthy donors to which glucose was added. The glucose concentration was 26 mmol/l. The nitrite was negative both during production and after 4 weeks. The bacterial count in the flow cytometric measurement was within the reference range. With the manual methods, the strip must be read after 60 seconds. With the Urilux/UriSys, both the time interval between the immersion of the strip and the start of the measurement and the cleanliness of the tray are decisive.