

Siemens Clinitek

Nordic Units Internationale SI-enheder

Component	Arbitrary Nordic Units	Unit or number Internationale SI	Range (EQA) [1]
Leukocytter	negativ	negativ	0 - 8 cells/ μ L
	+	~ 15 cells/ μ L	8 - 43 cells/ μ L
	++	~ 70 cells/ μ L	43 - 98 cells/ μ L
	+++	~ 125 cells/ μ L	98 - 313 cells/ μ L
	++++	~ 500 cells/ μ L	313 - 1000[+] cells/ μ L
Proteine	negativ	negativ	0 - 0,08 g/L
	trace/ \pm	trace	0,08 - 0,23 g/L
	+	0,3 g/L	0,23 - 0,7 g/L
	++	1,0 g/L	0,7 - 2,0 g/L
	+++	\geq 3,0 g/L	2,0 - 40[+] g/L
Erythrocyttes/ Blood	<i>Blood: measured as erythrocyttes/ μ L</i>		
	negativ	negativ	0 - 5 cells/ μ L
	trace/ \pm	~ 10 cells/ μ L	5 - 18 cells/ μ L
	+	~ 25 cells/ μ L	18 - 53 cells/ μ L
	++	~ 80 cells/ μ L	53 - 140 cells/ μ L
+++	~ 200 cells/ μ L	140 - 400[+] cells/ μ L	
Glucose	negativ	negativ	0 - 2,8 mmol/L
	+	5,5 mmol/L	2,8 - 9,8 mmol/L
	++	14 mmol/L	9,8 - 21 mmol/L
	+++	28 mmol/L	21 - 42 mmol/L
	++++	\geq 55 mmol/L	42 - 222[+] mmol/L
Nitrite	negativ	< 13-22 μ mol/L	0 - 17,5
	positiv	> 13-22 μ mol/L	17,5 - 44[+]
Ketones Acetoacetat	negativ	negativ	0 - 0,25 mmol/L
	+	trace	0,25 - 1,0 mmol/L
	++	1,5 mmol/L	1,0 - 2,8 mmol/L
	+++	3,9 mmol/L	2,8 - 5,9 mmol/L
	++++	7,8 mmol/L	5,9 - 11,7 mmol/L
+++++	\geq 15,6 mmol/L	11,7 - 23,4[+] mmol/L	

Kilde: Brugermanual til Clinitek Status + analyseinstrument 2011-06

[+] This is not the upper limit, but its usefull for external quality control

[1] For Siemens: The concentration range is just for use with external quality assurance. It should not be used for reporting of routine results.

Numbers with grey shading are not official or endorsed by the companies

Siemens visual aflæsning efter farveskala

Component	Arbitrary Nordic Units	Unit or number Internationale SI	Range (EQA) [1]
Leukocytter	negativ	negativ	0 - 8 cells/ μ L
	+	~ 15 cells/ μ L	8 - 43 cells/ μ L
	++	~ 70 cells/ μ L	43 - 98 cells/ μ L
	+++	~ 125 cells/ μ L	98 - 313 cells/ μ L
	++++	~ 500 cells/ μ L	313 - 1000[+] cells/ μ L
Proteine	negativ	negativ	0 - 0,08 g/L
	trace/ \pm	0,15 g/L	0,08 - 0,23 g/L
	+	0,3 g/L	0,23 - 0,7 g/L
	++	1 g/L	0,7 - 2,0 g/L
	+++	3 g/L	2,0 - 11,5 g/L
"++++"	\geq 20 g/L	11,5 - 40[+] g/L	
Erythrocyttes/ Blood	<i>Blood: measured as erythrocyttes/ μ L</i>		
	negativ	negativ	0 - 5 cells/ μ L
	trace/ \pm	~ 10 cells/ μ L	5 - 18 cells/ μ L
	+	~ 25 cells/ μ L	18 - 53 cells/ μ L
	++	~ 80 cells/ μ L	53 - 140 cells/ μ L
+++	~ 200 cells/ μ L	140 - 400[+] cells/ μ L	
Glucose	negativ	negativ	0 - 2,8 mmol/L
	+	5,5 mmol/L	2,8 - 9,8 mmol/L
	++	14 mmol/L	9,8 - 21 mmol/L
	+++	28 mmol/L	21 - 42 mmol/L
	++++	55 mmol/L	42 - 83 mmol/L
"++++"	\geq 111 mmol/L	83 - 222[+] mmol/L	
Nitrite	negativ	< 13-22 μ mol/L	0 - 17,5
	positiv	> 13-22 μ mol/L	17,5 - 44[+]
Ketones Acetoacetat	negativ	negativ	0 - 0,25 mmol/L
	+	0,5 mmol/L	0,25 - 1,0 mmol/L
	++	1,5 mmol/L	1 - 3,0 mmol/L
	+++	4 mmol/L	3,0 - 6 mmol/L
	++++	8 mmol/L	6 - 12 mmol/L
"++++"	\geq 16 mmol/L	12 - 24[+] mmol/L	

Roche - Urilux S or Urisys

Component	Arbitrary	Unit or number	SI-unit	Range	
Leukocyttter	neg	neg		0 - 10	cells/ μ L
	+	25 cells/ μ L		10 - 50	cells/ μ L
	++	100 cells/ μ L		50 - 250	cells/ μ L
	+++	500 cells/ μ L		250 - 1000[+]	cells/ μ L
Proteine	neg		neg	0 - 0,13	g/L
	+		0,25 g/L	0,13 - 0,5	g/L
	++		0,75 g/L	0,5 - 1,13	g/L
	+++		1,5 g/L	1,13 - 3,3	g/L
	++++		5,0 g/L	3,3 - 10[+]	g/L
Erythrocyttes/ Blood	<i>Erythrocyttes: measured in number/μL</i>				
	neg	neg		0 - 5	cells/ μ L
	+	~ 10 cells/ μ L		5 - 18	cells/ μ L
	++	~ 25 cells/ μ L		18 - 38	cells/ μ L
	+++	~ 50 cells/ μ L		38 - 100	cells/ μ L
	++++	~ 250 cells/ μ L		100 - 500[+]	cells/ μ L
Glucose	normal		normal	0 - 1,5	mmol/L
	+		3 mmol/L	1,5 - 4,5	mmol/L
	++		6 mmol/L	4,5 - 11,5	mmol/L
	+++		17 mmol/L	11,5 - 36,5	mmol/L
	++++		56 mmol/L	36,5 - 112[+]	mmol/L
Nitrite	neg		11 μ mol/L	0 - 11	μ mol/L
	pos		11 μ mol/L	11 - 22[+]	μ mol/L
Ketones Acetoacetat	Allmost all			with software version1,6 AND Nephur7 test or Combur5 test	
	Arbitrary	SI-unit	Range	SI-unit	Range
	neg	neg	0-0,25 mmol/L	neg 0	0-0,75
	+	0,5 mmol/L	0 -1,0 mmol/L	1,5 1 mmol/L	0,75-4
	++	1,5 mmol/L	1,0-4 mmol/L	5 2 mmol/L	4-10
	+++	5 mmol/L	4-10 mmol/L	15 5 mmol/L	10-30[+]
++++	15 mmol/L	10-30[+] mmol/L			

Roche - visual

Component	Arbitrary	Unit or number	Range	
Leukocyttter	neg	neg	0 - 10	cells/ μ L
	+	~ 10-25 cells/ μ L	10 - 50	cells/ μ L
	++	~ 75 cells/ μ L	50 - 250	cells/ μ L
	+++	~ 500 cells/ μ L	250 - 1000[+]	cells/ μ L
Proteine	neg	neg	0 - 0,3	g/L
	+	0,3 g/L	0,3 - 1,0	g/L
	++	1,0 g/L	1,0 - 5,0	g/L
	+++	5,0 g/L	5,0 - 10[+]	g/L
Erythrocyttes/ Blood	<i>Erythrocyttes: measured in number/μL</i>			
	neg	neg	0 - 5	cells/ μ L
	+	~ 10 cells/ μ L	5 - 10	cells/ μ L
	++	~ 25 cells/ μ L	10 - 50	cells/ μ L
	+++	~ 50 cells/ μ L	50 - 250	cells/ μ L
	++++	~ 250 cells/ μ L	250 - 500[+]	cells/ μ L
Glucose	normal	normal	0 - 2,75	mmol/L
	+	2,8 mmol/L	2,75 - 5,5	mmol/L
	++	5,5 mmol/L	5,5 - 16,5	mmol/L
	+++	17 mmol/L	16,5 - 55	mmol/L
	++++	55 mmol/L	55 - 110[+]	mmol/L
Nitrite	neg	< 11 μ mol/L	0 - 11	μ mol/L
	pos	> 11 μ mol/L	11 - 22[+]	μ mol/L
Ketones Acetoacetat	neg	0 mmol/L	0 - 0,25	mmol/L
	+	0,5 mmol/L	0,25 - 1,0	mmol/L
	++	1,5 mmol/L	1,0 - 4	mmol/L
	+++	5 mmol/L	4 - 10	mmol/L
	++++	15 mmol/L	10 - 30[+]	mmol/L

[+] This is not the upper limit, but its usefull for external quality control

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Roche - Urilux (the predecessor for Urilux S)

Component	Arbitrary	Unit or number	Range	
Leukocyttter	neg	neg	0 - 10	cells/ μ L
	+	10-25 cells/ μ L	10 - 50	cells/ μ L
	++	75 cells/ μ L	50 - 250	cells/ μ L
	+++	500 cells/ μ L	250 - 1000[+]	cells/ μ L
Proteine	neg	neg	0 - 0,13	g/L
	+	0,30 g/L	0,13 - 0,5	g/L
	++	1,00 g/L	0,5 - 3,0	g/L
	+++	5,0 g/L	3,0 - 10[+]	g/L
Erythrocyttes/ Blood	<i>Erythrocyttes: measured in number/μL</i>			
	neg	neg	0 - 5	cells/ μ L
	+	~ 10 cells/ μ L	5 - 18	cells/ μ L
	++	~ 50 cells/ μ L	18 - 150	cells/ μ L
+++	~ 250 cells/ μ L	150 - 500[+]	cells/ μ L	
Glucose	normal	normal	0 - 1,5	mmol/L
	+	3 mmol/L	1,5 - 4,5	mmol/L
	++	6 mmol/L	4,5 - 12	mmol/L
	+++	18 mmol/L	12 - 56[+]	mmol/L
Nitrite	neg	< 11 μ mol/L	0 - 11	μ mol/L
	pos	> 11 μ mol/L	11 - 22[+]	μ mol/L

Roche - Meditron

Component	Arbitrary	Unit or number	Range	
Leukocyttter	neg	neg	0 - 10	cells/ μ L
	+	25 cells/ μ L	10 - 50	cells/ μ L
	++	100 cells/ μ L	50 - 250	cells/ μ L
	+++	500 cells/ μ L	250 - 1000[+]	cells/ μ L
Proteine	neg	neg	0 - 0,13	g/L
	+	0,25 g/L	0,13 - 0,5	g/L
	++	0,75 g/L	0,5 - 1,1	g/L
	+++	1,5 g/L	1,1 - 3,3	g/L
	++++	5,0 g/L	3,3 - 10[+]	g/L
Erythrocyttes/ Blood	<i>Erythrocyttes: measured in number/μL</i>			
	neg	neg	0 - 5	cells/ μ L
	+	~ 10 cells/ μ L	5 - 18	cells/ μ L
	++	~ 25 cells/ μ L	18 - 38	cells/ μ L
	+++	~ 50 cells/ μ L	38 - 100	cells/ μ L
++++	~ 150 cells/ μ L	100 - 200	cells/ μ L	
Glucose	normal	normal	0 - 1,5	mmol/L
	+	3 mmol/L	1,5 - 4,5	mmol/L
	++	6 mmol/L	4,5 - 11,5	mmol/L
	+++	17 mmol/L	11,5 - 36,5	mmol/L
	++++	56 mmol/L	36,5 - 112[+]	mmol/L
Nitrite	neg	< 11 μ mol/L	0 - 11	μ mol/L
	pos	> 11 μ mol/L	11 - 22[+]	μ mol/L
Ketones Acetoacetat	neg	0 mmol/L	0 - 0,25	mmol/L
	+	0,5 mmol/L	0,25 - 1,0	mmol/L
	++	1,5 mmol/L	1,0 - 4	mmol/L
	+++	5 mmol/L	4 - 10	mmol/L
	++++	15 mmol/L	10 - 30[+]	mmol/L

[+] This is not the upper limit, but its usefull for external quality control

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