ASSAY VALUES AND EXPECTED RANGES

scil vCell 5 QC

Control materials for **scil vCell 5** veterinary hematology analyzers

CONTROL

LOT N5P116

05-01-2024

Software version: 1.6.2017.0
Assay Sheet revision: 11-10-2023

Parameters	Units	LOW mean		limit	min	max	NORMAL mean		limit	min	max	HIGH mean		limit	min	max
WBC / GB	10^3/µL & 10^9/L	**3.4**	±	0.6	2.8	4.0	**8.0**	±	0.8	7.2	8.8	**21.3**	±	2.2	19.1	23.5
LYM%	%	**37.2**	±	7.0	30.2	44.2	**21.6**	±	6.0	15.6	27.6	**12.6**	±	6.0	6.6	18.6
MON%	%	**7.5**	±	6.0	1.5	13.5	**5.6**	±	5.0	0.6	10.6	**3.5**	±	3.0	0.5	6.5
NEU%	%	**51.3**	±	7.0	44.3	58.3	**69.3**	±	7.0	62.3	76.3	**80.0**	±	8.0	72.0	88.0
EOS%	%	**2.7**	±	2.0	0.7	4.7	**2.6**	±	2.4	0.2	5.0	**3.3**	±	3.0	0.3	6.3
BAS%	%	**1.3**	±	0.7	0.6	2.0	**0.9**	±	0.5	0.4	1.4	**0.6**	±	0.3	0.3	0.9
LYM#	10^3/µL & 10^9/L	**1.3**	±	0.4	0.9	1.7	**1.7**	±	0.6	1.1	2.3	**2.7**	±	1.3	1.4	4.0
MON#	10^3/µL & 10^9/L	**0.3**	±	0.2	0.1	0.5	**0.4**	±	0.4	0.0	0.8	**0.7**	±	0.5	0.2	1.2
NEU#	10^3/µL & 10^9/L	**1.6**	±	0.6	1.0	2.2	**5.6**	±	1.3	4.3	6.9	**17.1**	±	3.0	14.1	20.1
EOS#	10^3/µL & 10^9/L	**0.1**	±	0.1	0.0	0.2	**0.2**	±	0.2	0.0	0.4	**0.7**	±	0.8	-0.1	1.5
BAS#	10^3/µL & 10^9/L	**0.1**	±	0.1	0.0	0.2	**0.1**	±	0.1	0.0	0.2	**0.1**	±	0.1	0.0	0.2
RBC / GR	10^6/µL & 10^{12}/L	**2.22**	±	0.20	2.02	2.42	**4.64**	±	0.32	4.32	4.96	**5.19**	±	0.40	4.79	5.59
HGB	g/dL	**5.5**	±	0.4	5.1	5.9	**13.0**	±	0.6	12.4	13.6	**15.8**	±	0.8	15.0	16.6
	g/L	**55**	±	4	51	59	**130**	±	6	124	136	**158**	±	8	150	166
	mmol/L	**3.41**	±	0.25	3.16	3.66	**8.07**	±	0.37	7.70	8.44	**9.81**	±	0.50	9.31	10.31
HCT	%	**19.5**	±	2.7	16.8	22.2	**46.9**	±	5.4	41.5	52.3	**55.0**	±	6.3	48.7	61.3
	L/L	**0.20**	±	0.03	0.17	0.23	**0.47**	±	0.06	0.41	0.53	**0.55**	±	0.07	0.48	0.62
MCV / VGM	fL	**88**	±	5	83	93	**101**	±	5	96	106	**106**	±	5	101	111
MCH / TCMH	pg	**24.8**	±	3.8	21.0	28.6	**28.0**	±	2.8	25.2	30.8	**30.4**	±	3.0	27.4	33.4
	fmol	**1.54**	±	0.24	1.30	1.78	**1.74**	±	0.17	1.57	1.91	**1.89**	±	0.19	1.70	2.08
MCHC / CCMH	g/dL	**28.2**	±	4.5	23.7	32.7	**27.7**	±	3.7	24.0	31.4	**28.7**	±	3.6	25.1	32.3
	g/L	**282**	±	45	237	327	**277**	±	37	240	314	**287**	±	36	251	323
	mmol/L	**17.5**	±	2.8	14.7	20.3	**17.2**	±	2.3	14.9	19.5	**17.8**	±	2.2	15.6	20.0
RDWcv / IDR	%	**18.2**	±	3.0	15.2	21.2	**17.0**	±	2.8	14.2	19.8	**16.0**	±	2.5	13.5	18.5
PLT	10^3/µL & 10^9/L	**78**	±	25	53	103	**240**	±	50	190	290	**480**	±	70	410	550
PCT / Tct	%	**0.06**	±	0.04	0.02	0.10	**0.20**	±	0.08	0.12	0.28	**0.41**	±	0.15	0.26	0.56
MPV / VPM	fL	**8.3**	±	2.0	6.3	10.3	**8.2**	±	2.0	6.2	10.2	**8.6**	±	2.0	6.6	10.6
PDWcv / IDP	%	**57.0**	±	7.0	50.0	64.0	**57.0**	±	7.0	50.0	64.0	**58.0**	±	6.0	52.0	64.0

NNEU
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LOW

NORMAL

HIGH

How to use the QR codes:

1. Start the analyzer, wait for the Main Menu.
2. Go to Daily Routine.
3. Tap menu (≡) button in lower right corner.
4. Tap "Read QR".
5. Align the code on the screen so that only one is visible entirely, aligned parallel with the camera and the front panel.
6. The analyzer will acknowledge successful scanning with a message.
7. Repeat the process for all three levels.

Scanning a QR code multiple times will NOT create multiple QC bank entries.

How to upload QRC files:

1. Copy QRC files to the root folder of a USB stick.
2. Connect the stick with the analyzer ON.
3. Go to Daily Routine and tap menu (≡) button in lower right corner.
4. Select “Load QR”. Successful loading will be acknowledged by a message.

For further information, please refer to the instructions for use.

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