ASSAY VALUES AND EXPECTED RANGES

scil vCell 5 QC

CONTROL

LOT N5P118

05-05-2024

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

Software version: 1.6.2017.0
Assay Sheet revision: 05-02-2024

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	**3.1**	±	0.6	2.5	3.7	**7.7**	±	0.8	6.9	8.5	**20.8**	±	2.2	18.6	23.0
LYM%	%	**36.5**	±	7.0	29.5	43.5	**22.7**	±	6.0	16.7	28.7	**13.6**	±	6.0	7.6	19.6
MON%	%	**13.0**	±	6.0	7.0	19.0	**6.0**	±	5.0	1.0	11.0	**5.0**	±	3.0	2.0	8.0
NEU%	%	**46.5**	±	7.0	39.5	53.5	**67.8**	±	7.0	60.8	74.8	**77.5**	±	8.0	69.5	85.5
EOS%	%	**2.2**	±	2.0	0.2	4.2	**2.5**	±	2.2	0.3	4.7	**3.2**	±	3.0	0.2	6.2
BAS%	%	**1.8**	±	0.7	1.1	2.5	**1.0**	±	0.5	0.5	1.5	**0.7**	±	0.3	0.4	1.0
LYM#	10^3/µL & 10^9/L	**1.1**	±	0.4	0.7	1.5	**1.7**	±	0.6	1.1	2.3	**2.8**	±	1.3	1.5	4.1
MON#	10^3/µL & 10^9/L	**0.4**	±	0.2	0.2	0.6	**0.5**	±	0.4	0.1	0.9	**1.0**	±	0.5	0.5	1.5
NEU#	10^3/µL & 10^9/L	**1.4**	±	0.6	0.8	2.0	**5.2**	±	1.3	3.9	6.5	**16.2**	±	3.0	13.2	19.2
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	**2.08**	±	0.20	1.88	2.28	**4.81**	±	0.32	4.49	5.13	**5.25**	±	0.40	4.85	5.65
HGB	g/dL	**5.4**	±	0.4	5.0	5.8	**13.3**	±	0.6	12.7	13.9	**16.2**	±	0.8	15.4	17.0
	g/L	**54**	±	4	50	58	**133**	±	6	127	139	**162**	±	8	154	170
	mmol/L	**3.35**	±	0.25	3.10	3.60	**8.25**	±	0.37	7.88	8.62	**10.05**	±	0.50	9.55	10.55
HCT	%	**19.3**	±	2.7	16.6	22.0	**47.1**	±	5.4	41.7	52.5	**54.6**	±	6.3	48.3	60.9
	L/L	**0.19**	±	0.03	0.16	0.22	**0.47**	±	0.06	0.41	0.53	**0.55**	±	0.07	0.48	0.62
MCV / VGM	fL	**93**	±	5	88	98	**98**	±	5	93	103	**104**	±	5	99	109
MCH / TCMH	pg	**26.0**	±	3.8	22.2	29.8	**27.7**	±	2.8	24.9	30.5	**30.9**	±	3.0	27.9	33.9
	fmol	**1.61**	±	0.24	1.37	1.85	**1.72**	±	0.17	1.55	1.89	**1.92**	±	0.19	1.73	2.11
MCHC / CCMH	g/dL	**27.9**	±	4.5	23.4	32.4	**28.2**	±	3.7	24.5	31.9	**29.7**	±	3.6	26.1	33.3
	g/L	**279**	±	45	234	324	**282**	±	37	245	319	**297**	±	36	261	333
	mmol/L	**17.3**	±	2.8	14.5	20.1	**17.5**	±	2.3	15.2	19.8	**18.4**	±	2.2	16.2	20.6
RDWcv / IDR	%	**18.5**	±	3.0	15.5	21.5	**17.2**	±	2.8	14.4	20.0	**16.8**	±	2.5	14.3	19.3
PLT	10^3/µL & 10^9/L	**60**	±	25	35	85	**200**	±	50	150	250	**415**	±	70	345	485
PCT / Tct	%	**0.05**	±	0.04	0.01	0.09	**0.15**	±	0.08	0.07	0.23	**0.33**	±	0.15	0.18	0.48
MPV / VPM	fL	**7.7**	±	2.0	5.7	9.7	**7.7**	±	2.0	5.7	9.7	**8.0**	±	2.0	6.0	10.0
PDWcv / IDP	%	**58.0**	±	7.0	51.0	65.0	**58.0**	±	7.0	51.0	65.0	**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.

scil animal care company GmbH
Dina-Weissmann-Allee
668519 Viernheim
GERMANY

Form release date: 2020-11-30