ASSAY VALUES AND EXPECTED RANGES

scil vCell 5 QC

Control materials for vCell 5 veterinary hematology analyzers

CONTROL

LOT N5P089

05-07-2019

SW: 1.6.983.0   rev: 23-04-2019

	unit	LOW mean	±	limit	min	max	NORMAL mean	±	limit	min	max	HIGH mean	±	limit	min	max
WBC / GB	$10^3/\mu L$ & $10^9/L$	3.0	±	0.6	2.4	3.6	7.5	±	0.8	6.7	8.3	20.1	±	2.2	17.9	22.3
LYM%	%	39.9	±	7.0	32.9	46.9	20.8	±	4.0	16.8	24.8	15.2	±	5.0	10.2	20.2
MON%	%	5.9	±	5.0	0.9	10.9	4.9	±	3.5	1.4	8.4	3.2	±	2.7	0.5	5.9
NEU%	%	51.1	±	7.0	44.1	58.1	71.2	±	7.0	64.2	78.2	78.0	±	8.0	70.0	86.0
EOS%	%	1.9	±	1.9	0.0	3.8	2.2	±	2.2	0.0	4.4	3.0	±	1.8	1.2	4.8
BAS%	%	1.2	±	1.2	0.0	2.4	0.9	±	0.9	0.0	1.8	0.6	±	0.6	0.0	1.2
LYM#	$10^3/\mu L$ & $10^9/L$	1.2	±	0.4	0.8	1.6	1.6	±	0.5	1.1	2.1	3.1	±	1.1	2.0	4.2
MON#	$10^3/\mu L$ & $10^9/L$	0.2	±	0.1	0.1	0.3	0.4	±	0.3	0.1	0.7	0.6	±	0.4	0.2	1.0
NEU#	$10^3/\mu L$ & $10^9/L$	1.5	±	0.6	0.9	2.1	5.2	±	1.2	4.0	6.4	15.7	±	3.2	12.5	18.9
EOS#	$10^3/\mu L$ & $10^9/L$	0.1	±	0.1	0.0	0.2	0.2	±	0.2	0.0	0.4	0.6	±	0.3	0.3	0.9
BAS#	$10^3/\mu L$ & $10^9/L$	0.0	±	0.1	0.0	0.1	0.1	±	0.1	0.0	0.2	0.1	±	0.1	0.0	0.2
RBC / GR	$10^6/\mu L$ & $10^{12}/L$	2.38	±	0.20	2.18	2.58	4.70	±	0.32	4.38	5.02	5.29	±	0.40	4.89	5.69
HGB	g/dL	5.7	±	0.4	5.3	6.1	12.9	±	0.6	12.3	13.5	15.8	±	0.8	15.0	16.6
	g/L	57	±	4	53	61	129	±	6	123	135	158	±	8	150	166
	mmol/L	3.54	±	0.25	3.29	3.79	8.01	±	0.37	7.64	8.38	9.81	±	0.50	9.31	10.31
HCT	%	20.0	±	2.7	17.3	22.7	47.9	±	5.4	42.5	53.3	57.7	±	6.3	51.4	64.0
	L/L	0.20	±	0.03	0.17	0.23	0.48	±	0.06	0.42	0.54	0.58	±	0.06	0.52	0.64
MCV / VGM	fL	84	±	5	79	89	102	±	5	97	107	109	±	5	104	114
MCH / TCMH	pg	23.9	±	3.8	20.1	27.7	27.4	±	2.8	24.6	30.2	29.9	±	3.0	26.9	32.9
	fmol	1.49	±	0.24	1.25	1.73	1.70	±	0.17	1.53	1.87	1.85	±	0.19	1.66	2.04
MCHC / CCMH	g/dL	28.5	±	4.5	24.0	33.0	26.9	±	3.7	23.2	30.6	27.4	±	3.6	23.8	31.0
	g/L	285	±	45	240	330	269	±	37	232	306	274	±	36	238	310
	mmol/L	17.7	±	2.8	14.9	20.5	16.7	±	2.3	14.4	19.0	17.0	±	2.2	14.8	19.2
RDWcv / IDR	%	18.0	±	3.0	15.0	21.0	16.3	±	2.8	13.5	19.1	15.9	±	2.5	13.4	18.4
PLT	$10^3/\mu L$ & $10^9/L$	75	±	24	51	99	234	±	50	184	284	432	±	60	372	492
PCT / Tct	%	0.07	±	0.04	0.03	0.11	0.21	±	0.08	0.13	0.29	0.37	±	0.15	0.22	0.52
MPV / VPM	fL	8.7	±	2.0	6.7	10.7	8.8	±	2.0	6.8	10.8	8.6	±	2.0	6.6	10.6
PDWcv/ IDP	%	56.9	±	7.0	49.9	63.9	57.2	±	7.0	50.2	64.2	58.6	±	6.0	52.6	64.6

LOW

NORMAL

HIGH

NNEU X/Y 69/135

How to use the QR codes:

1. Start the analyzer, wait for Main Menu
2. Go to Daily routine
3. Tap menu (≡) button in lower right corner
4. Align the code on the screen so that only one is visible entirely, aligned parallel with the camera and the front panel.
5. The analyzer will acknowledge successful scanning with a message.
6. Repeat the process for all three levels.
Scanning a QR code multiple times will NOT create multiple QC bank entries

QR Codes are also available as "QRC" files, one for each level. To use QRC files: Copy QRC files to the root folder of a USB stick. Connect the stick when the analyzer is ON. Tap and hold the screen to access local menu. Select "Load QR". Successful loading will be acknowledged by a message.

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