

Hycount 5 HEMATOLOGY CONTROL

Assay values and ranges provided by HYCEL

CONTROL

LOT DH2011

2020-10-07

2021-01-05

Instrument	Parameter	Unit	Low		Normal		High	
Hycount 5XL	WBC	×10 ⁹ /L	3.15	±0.50	7.21	±1.00	16.08	±2.50
	Neu%	%	49.2	±9.0	56.7	±8.0	65.0	±7.0
	Lym%	%	37.4	±9.0	29.6	±8.0	18.9	±6.0
	Mon%	%	7.8	±4.0	7.1	±5.0	7.2	±6.0
	Eos%	%	5.6	±5.0	6.6	±6.0	8.9	±7.0
	Bas%	%	61.2	±8.0	70.2	±8.0	81.1	±8.0
	Neu#	×10 ⁹ /L	1.55	±0.40	4.09	±0.70	10.45	±1.40
	Lym#	×10 ⁹ /L	1.18	±0.40	2.13	±0.70	3.04	±1.10
	Mon#	×10 ⁹ /L	0.25	±0.14	0.51	±0.50	1.16	±1.10
	Eos#	×10 ⁹ /L	0.18	±0.15	0.48	±0.48	1.43	±1.30
	Bas#	×10 ⁹ /L	1.93	±0.30	5.06	±0.70	13.04	±1.50
	RBC	×10 ¹² /L	2.12	±0.18	4.48	±0.24	5.10	±0.50
	HGB	g/L	58	±4	134	±6	166	±8
	HCT	%	18.0	±2.0	40.2	±3.0	49.6	±4.0
	MCV	fL	84.8	±5.0	89.8	±5.0	97.4	±6.0
	MCH	pg	27.5	±2.5	29.8	±2.5	32.6	±2.5
	MCHC	g/L	325	±30	332	±30	335	±30
	RDW-CV	%	16.5	±3.0	16.5	±3.0	15.1	±3.0
	RDW-SD	fL	52.0	±10.0	54.8	±10.0	54.3	±12.0
	PLT	×10 ⁹ /L	53	±20	241	±40	466	±60
	MPV	fL	11.0	±3.0	10.8	±3.0	10.4	±3.0
PDW	fL	12.6	±3.0	13.9	±3.0	13.3	±3.0	
PCT	%	0.058	±0.050	0.259	±0.100	0.480	±0.200	
P-LCR	%	31.6	±8.0	32.3	±8.0	30.3	±8.0	
P-LCC	×10 ⁹ /L	16	±15	78	±25	138	±35	

【NOTE】

1. The controls should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 14 days when it is stored airtight at 2°C~8°C.
2. Before mixing and running the control after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the controls back into the refrigerator to prevent contamination and evaporation.

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Instrument	Parameter	Unit	Low		Normal		High	
HYCOUNT5CRP (Technical File Version A4 to A5.7)	WBC	×10 ⁹ /L	3.44	±0.50	7.88	±1.00	18.06	±2.50
	Neu%	%	51.9	±9.0	57.6	±8.0	65.4	±7.0
	Lym%	%	36.2	±9.0	28.2	±8.0	17.6	±6.0
	Mon%	%	5.5	±4.0	4.9	±4.9	5.4	±5.4
	Eos%	%	6.4	±5.0	9.3	±6.0	11.6	±7.0
	Bas%	%	3.5	±3.5	3.3	±3.3	2.5	±2.5
	Neu#	×10 ⁹ /L	1.79	±0.40	4.54	±0.70	11.81	±1.40
	Lym#	×10 ⁹ /L	1.25	±0.40	2.22	±0.70	3.18	±1.10
	Mon#	×10 ⁹ /L	0.19	±0.14	0.39	±0.39	0.98	±0.98
	Eos#	×10 ⁹ /L	0.22	±0.15	0.73	±0.50	2.09	±1.30
	Bas#	×10 ⁹ /L	0.12	±0.12	0.26	±0.26	0.45	±0.45
	RBC	×10 ¹² /L	2.12	±0.18	4.46	±0.24	5.07	±0.50
	HGB	g/L	59	±4	134	±6	169	±8
	HCT	%	18.4	±2.0	41.0	±3.0	50.5	±4.0
	MCV	fL	86.5	±5.0	91.9	±5.0	99.7	±6.0
	MCH	pg	27.8	±2.5	30.0	±2.5	33.3	±2.5
	MCHC	g/L	321	±30	326	±30	334	±30
	RDW-CV	%	14.2	±3.0	14.3	±3.0	13.1	±3.0
	RDW-SD	fL	51.9	±10.0	54.4	±10.0	54.2	±12.0
	PLT	×10 ⁹ /L	59	±20	255	±40	456	±60
	MPV	fL	10.0	±3.0	9.6	±3.0	9.8	±3.0
	PDW	fL	12.4	±3.0	14.3	±3.0	14.0	±3.0
PCT	%	0.059	±0.050	0.246	±0.100	0.446	±0.200	
P-LCR	%	28.5	±8.0	34.4	±8.0	35.3	±8.0	
P-LCC	×10 ⁹ /L	17	±15	88	±25	161	±35	

【NOTE】

1. The controls should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 14 days when it is stored airtight at 2°C~8°C.
2. Before mixing and running the control after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the controls back into the refrigerator to prevent contamination and evaporation.

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Instrument	Parameter	Unit	Low	Normal	High
HYCOUNT5CRP (Technical File Version A6.0)	WBC	×10 ⁹ /L	3.47 ±0.50	8.27 ±1.00	18.99 ±2.50
	Neu%	%	50.4 ±9.0	56.4 ±8.0	64.2 ±7.0
	Lym%	%	36.9 ±9.0	29.6 ±8.0	18.2 ±6.0
	Mon%	%	6.5 ±4.0	4.9 ±4.9	5.8 ±5.8
	Eos%	%	6.2 ±5.0	9.1 ±6.0	11.8 ±7.0
	Bas%	%	2.6 ±2.6	2.2 ±2.2	1.6 ±1.6
	Neu#	×10 ⁹ /L	1.75 ±0.40	4.67 ±0.70	12.19 ±1.40
	Lym#	×10 ⁹ /L	1.28 ±0.40	2.45 ±0.70	3.46 ±1.10
	Mon#	×10 ⁹ /L	0.23 ±0.14	0.41 ±0.41	1.10 ±1.10
	Eos#	×10 ⁹ /L	0.21 ±0.15	0.75 ±0.50	2.24 ±1.30
	Bas#	×10 ⁹ /L	0.09 ±0.09	0.18 ±0.18	0.30 ±0.30
	RBC	×10 ¹² /L	2.15 ±0.18	4.48 ±0.24	5.12 ±0.50
	HGB	g/L	58 ±4	132 ±6	167 ±8
	HCT	%	18.4 ±2.0	40.0 ±3.0	49.3 ±4.0
	MCV	fL	85.5 ±5.0	89.3 ±5.0	96.2 ±6.0
	MCH	pg	27.1 ±2.5	29.5 ±2.5	32.6 ±2.5
	MCHC	g/L	317 ±30	330 ±30	339 ±30
	RDW-CV	%	14.4 ±3.0	14.4 ±3.0	13.2 ±3.0
	RDW-SD	fL	53.0 ±10.0	55.5 ±10.0	55.3 ±12.0
	PLT	×10 ⁹ /L	61 ±20	250 ±40	457 ±60
	MPV	fL	9.9 ±3.0	9.8 ±3.0	9.6 ±3.0
	PDW	fL	12.2 ±3.0	13.5 ±3.0	13.0 ±3.0
PCT	%	0.060 ±0.050	0.246 ±0.100	0.438 ±0.200	
P-LCR	%	33.8 ±8.0	36.2 ±8.0	35.0 ±8.0	
P-LCC	×10 ⁹ /L	21 ±15	91 ±25	160 ±35	

【NOTE】

1. The controls should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 14 days when it is stored airtight at 2°C~8°C.
2. Before mixing and running the control after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the controls back into the refrigerator to prevent contamination and evaporation.

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Instrument	Parameter	Unit	Low		Normal		High	
HYCOUNT5CRP Version A6.1 or higher) Single channel	WBC	×10 ⁹ /L	3.46	±0.50	8.14	±1.00	18.79	±2.50
	Neu%	%	50.5	±9.0	56.3	±8.0	63.8	±7.0
	Lym%	%	37.4	±9.0	29.5	±8.0	18.4	±6.0
	Mon%	%	6.0	±4.0	5.1	±5.0	6.1	±6.0
	Eos%	%	6.1	±5.0	9.1	±6.0	11.7	±7.0
	Bas%	%	2.3	±2.3	1.9	±1.9	1.4	±1.4
	Neu#	×10 ⁹ /L	1.75	±0.40	4.58	±0.70	11.99	±1.40
	Lym#	×10 ⁹ /L	1.29	±0.40	2.40	±0.70	3.46	±1.10
	Mon#	×10 ⁹ /L	0.21	±0.14	0.42	±0.42	1.15	±1.10
	Eos#	×10 ⁹ /L	0.21	±0.15	0.74	±0.50	2.20	±1.30
	Bas#	×10 ⁹ /L	0.08	±0.08	0.15	±0.15	0.26	±0.26
	RBC	×10 ¹² /L	2.16	±0.18	4.51	±0.24	5.11	±0.50
	HGB	g/L	58	±4	132	±6	167	±8
	HCT	%	18.5	±2.0	40.4	±3.0	49.3	±4.0
	MCV	fL	85.4	±5.0	89.6	±5.0	96.6	±6.0
	MCH	pg	26.9	±2.5	29.2	±2.5	32.6	±2.5
	MCHC	g/L	314	±30	326	±30	338	±30
	RDW-CV	%	14.0	±3.0	14.0	±3.0	12.8	±3.0
	RDW-SD	fL	51.1	±10.0	53.5	±10.0	53.2	±12.0
	PLT	×10 ⁹ /L	51	±20	259	±40	504	±60
	MPV	fL	9.9	±3.0	9.7	±3.0	9.8	±3.0
	PDW	fL	11.9	±3.0	13.0	±3.0	13.0	±3.0
PCT	%	0.050	±0.050	0.252	±0.100	0.495	±0.200	
P-LCR	%	33.4	±8.0	35.2	±8.0	35.2	±8.0	
P-LCC	×10 ⁹ /L	17	±15	91	±25	178	±35	

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3. Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the controls back into the refrigerator to prevent contamination and evaporation.

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Instrument	Parameter	Unit	Low		Normal		High	
Hycount5CRP (Technical File Version A6.1 or higher) Two channel	WBC	×10 ⁹ /L	3.51	±0.50	8.32	±1.00	19.26	±2.50
	Neu%	%	50.6	±9.0	56.2	±8.0	63.7	±7.0
	Lym%	%	36.7	±9.0	29.3	±8.0	18.6	±6.0
	Mon%	%	6.8	±4.0	5.6	±5.0	5.9	±5.9
	Eos%	%	5.9	±5.0	8.9	±6.0	11.8	±7.0
	Bas%	%	2.8	±2.8	2.2	±2.2	1.7	±1.7
	Neu#	×10 ⁹ /L	1.78	±0.40	4.67	±0.70	12.27	±1.40
	Lym#	×10 ⁹ /L	1.29	±0.40	2.44	±0.70	3.58	±1.10
	Mon#	×10 ⁹ /L	0.24	±0.14	0.47	±0.47	1.14	±1.10
	Eos#	×10 ⁹ /L	0.21	±0.15	0.74	±0.50	2.27	±1.30
	Bas#	×10 ⁹ /L	0.10	±0.10	0.18	±0.18	0.33	±0.33
	RBC	×10 ¹² /L	2.19	±0.18	4.56	±0.24	5.19	±0.50
	HGB	g/L	59	±4	135	±6	170	±8
	HCT	%	18.6	±2.0	40.5	±3.0	49.8	±4.0
	MCV	fL	84.9	±5.0	88.9	±5.0	96.0	±6.0
	MCH	pg	26.9	±2.5	29.6	±2.5	32.8	±2.5
	MCHC	g/L	317	±30	334	±30	341	±30
	RDW-CV	%	14.0	±3.0	14.1	±3.0	12.9	±3.0
	RDW-SD	fL	50.7	±10.0	53.3	±10.0	53.0	±12.0
	PLT	×10 ⁹ /L	53	±20	259	±40	500	±60
	MPV	fL	9.9	±3.0	9.7	±3.0	9.8	±3.0
	PDW	fL	12.5	±3.0	13.2	±3.0	12.9	±3.0
PCT	%	0.052	±0.050	0.252	±0.100	0.488	±0.200	
P-LCR	%	33.9	±8.0	35.3	±8.0	34.4	±8.0	
P-LCC	×10 ⁹ /L	18	±15	91	±25	173	±35	

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