

# ED-50D

## HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT ED0323



2023-05-05

Instrument	Parameter	Low	Normal	High
		LOT ED0323L	LOT ED0323N	LOT ED0323H
EDAN	WBC 10 <sup>9</sup> /L	2.8 ± 0.5	7.5 ± 1.0	19.1 ± 2.5
H50,	LYM %	36.5 ± 12.0	20.0 ± 9.0	19.0 ± 7.0
H51	MONO %	10.0 ± 9.0	8.0 ± 8.0	5.5 ± 5.5
	NEU %	49.0 ± 10.0	66.5 ± 10.0	71.0 ± 8.0
	EOS %	3.5 ± 3.5	4.5 ± 4.5	3.5 ± 3.5
	BASO %	1.0 ± 1.0	1.0 ± 1.0	1.0 ± 1.0
	ALY %	9.0 ± 9.0	8.5 ± 8.5	3.0 ± 3.0
	IMM %	4.5 ± 4.5	4.0 ± 4.0	2.0 ± 2.0
	LYM 10 <sup>9</sup> /L	1.0 ± 0.6	1.5 ± 1.0	3.6 ± 2.0
	MONO 10 <sup>9</sup> /L	0.3 ± 0.3	0.6 ± 0.6	1.1 ± 1.1
	NEU 10 <sup>9</sup> /L	1.4 ± 0.5	5.0 ± 1.5	13.6 ± 3.5
	EOS 10 <sup>9</sup> /L	0.1 ± 0.1	0.3 ± 0.3	0.7 ± 0.7
	BASO 10 <sup>9</sup> /L	0.1 ± 0.1	0.1 ± 0.1	0.2 ± 0.2
	ALY 10 <sup>9</sup> /L	0.3 ± 0.3	0.6 ± 0.6	0.6 ± 0.6
	IMM 10 <sup>9</sup> /L	0.1 ± 0.1	0.3 ± 0.3	0.4 ± 0.4
	RBC 10 <sup>12</sup> /L	2.31 ± 0.20	4.52 ± 0.24	5.00 ± 0.28
	HGB g/dL	4.9 ± 0.4	12.3 ± 0.6	15.3 ± 0.8
	HCT %	17.0 ± 2.0	40.2 ± 2.5	46.0 ± 3.0
	MCV fL	73.5 ± 5.0	89.0 ± 5.0	92.0 ± 5.0
	MCH pg	21.2 ± 2.5	27.2 ± 2.5	30.6 ± 2.8
	MCHC g/dL	28.9 ± 3.0	30.6 ± 3.0	33.3 ± 3.0
	RDW %	15.0 ± 4.0	14.0 ± 3.0	11.5 ± 3.0
	RDW-SD fL	39.0 ± 8.0	45.5 ± 8.0	37.0 ± 8.0
	PLT 10 <sup>9</sup> /L	99 ± 25	268 ± 45	501 ± 70
	MPV fL	11.0 ± 3.0	10.5 ± 3.0	10.0 ± 3.0
	PCT %	0.11 ± 0.06	0.27 ± 0.10	0.48 ± 0.20
	PDW	12.0 ± 5.0	17.0 ± 5.0	18.0 ± 5.0
	PLCR %	25.0 ± 10.0	20.0 ± 10.0	19.0 ± 10.0
	PLCC 10 <sup>9</sup> /L	24.8 ± 10	53.6 ± 30	95.2 ± 40

### 【NOTE】

- 1) Occasionally leukocyte cell populations are incorrectly identified, normally happened on LYM%,MON%,ALY%,IMM%
- 2) The controls should be stored in refrigerator (2~8℃). After opening, it will keep stable for 14 days when it is stored airtight at 2~8℃.
- 3) Please equilibrate the controls into room temperature (15~30℃) before using it.
- 4) Controls must be well mixed before using. Please mix gently to avoid cells rupture and/or generating bubbles.
- 5) After using, put the controls back into the refrigerator to prevent contamination and evaporation.