

Supplementary Table 3. Responses to the questionnaires on manual cell count using hemocytometer in body fluid cellular analysis

Questionnaires & Answer Options	Responses, % (institution)
1. Sample mixing technique used prior to testing?*	
1) Hand mixing	79.2 (57/72)
2) Mixing using an automated mixer	16.7 (12/72)
3) Both	4.2 (3/72)
2. What solution do you use if you need to dilute the specimen?	
1) Yes	97.2 (70/72)
Normal saline	85.7 (60/70)
Cellpack® DCL (Sysmex, Japan)	10.0 (7/70)
Turk's solution	4.3 (3/70)
Phosphate-buffered saline	2.9 (2/70)
2) No dilution	2.9 (2/72)
3. What solution do you use if you need to lyse red blood cells?	
1) Yes	81.2 (56/69)
Acetic acid (3%, 10%, etc.)	23.2 (13/56)
Turk's solution	14.3 (8/56)
Glacial acetic acid (2%, 10%, etc.)	12.5 (7/56)
Hydrochloric acid solution (0.1 N, 1%, etc.)	12.5 (7/56)
Distilled water	5.4 (3/56)
Hypotonic saline (0.3%)	5.4 (3/56)
Others	26.8 (15/56)
2) No lysis	18.8 (13/69)
4 & 5. Which area of the hemocytometer do you perform cell counts on? (Fig. 3)	
Nucleated cells	
1) 1, 3, 7, 9	55.7 (39/70)
2) All area (1-9)	25.7 (18/70)
3) 5	4.3 (3/70)
4) 1, 3, 5, 7, 9	2.9 (2/70)
5) Dependent on the volume of cells	11.4 (8/70)
Red blood cells	
1) 5	32.9 (23/70)
2) 5 red squares (A-E) on square-5 (central square)	30.0 (21/70)
3) All area (1-9)	17.1 (12/70)
4) 1, 3, 7, 9	8.6 (6/70)
5) Others	11.4 (8/70)
6. What is the slide preparation method for differential cell counts?*	
1) Cytospin	59.7 (43/72)
2) Direct smear	15.3 (11/72)
3) Both	25.0 (18/72)
7. Would you please check all the items reported by the body fluid test?*	
1) Cell count of RBC and WBC	100 (73/73)
2) Differential count	100 (73/73)
3) pH	79.5 (58/73)
4) Color	78.1 (57/73)
5) Specific gravity (S.G.)	71.2 (52/73)
6) Turbidity	60.3 (44/73)
7.1. If you implement a differential count, please check all the items you report.*	
1) Lymphocyte	84.9 (62/73)
2) Eosinophil	67.1 (49/73)
3) Neutrophil	60.3 (44/73)
4) Monocyte	60.3 (44/73)

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Supplementary Table 3. Continued

Questionnaires & Answer Options	Responses, % (institution)
5) Macrophage	54.8 (40/73)
6) Polymorphonuclear cell	49.3 (36/73)
7) Others	49.3 (36/73)
8) Basophil	47.9 (35/73)
9) Mesothelial cell	42.5 (31/73)
10) Malignant cell/neoplastic cell/Tumor cell	37.0 (27/73)
11) Mononuclear cell	26.0 (19/73)
8. If malignant cells are indicated, do you report it?	
1) Yes	87.3 (62/71)
2) No	12.7 (9/71)
8.1 If you report the possibility of malignant cells, how do you report them?	
1) There are separate reporting items for the indication of malignant cells.	56.5 (35/62)
2) Describe the possibility of malignant cells in the comment.	43.5 (27/62)
8.2 In what category do you report cells suspected of being malignant?	
1) "Others" category	46.4 (13/28)
2) "Malignant cell/neoplastic cell/Tumor cell" category	46.4 (13/28)
3) "Atypical cell"	7.1 (2/28)

*multiple choice allowed.