

Supplemental material

Sampaio et al. Detection of lymphoid markers (CD3 and PAX5) for immunophenotyping in dogs and cats: comparison of stained cytology slides and matched cell blocks

Table S1: Raw data including the type of specimen, pre-analytical variables and results of the immunolabeling for CD3 in previous Romanowsky-stained cytology slides (RSC) and cell blocks (CB) section

Case	Specimen	Species	Coverslipping	Archive Time (Categories)	RSC					CB				
					Positivity (Observer1)	Positivity (Observer2)	Intensity	Background	Non-Specific Stain	Positivity (Observer1)	Positivity (Observer2)	Intensity	Background	Non-Specific Stain
1	Needle rinse (lymph node)	Dog	Yes	1	3	4	2	2	0	4	4	3	0	0
2	Needle rinse (lymph node)	Dog	Yes	1	0	0	0	2	1	3	4	2	0	0
3	Needle rinse (lymph node)	Cat	No	1	2	1	2	0	0	1	0	3	1	1
4	Effusion Cell Block	Cat	Yes	1	2	3	2	0	1	4	4	3	0	0
5	Needle rinse (intestinal mass)	Cat	Yes	1	3	2	1	0	0	3	3	3	1	0
6	Needle rinse (lymph node)	Dog	Yes	2	1	1	3	0	0	1	1	3	0	0
7	Needle rinse (lymph node)	Dog	No	2	1	0	1	0	1	1	1	3	0	0
8	Effusion Cell Block	Cat	No	2	1	0	1	0	0	4	4	3	0	0
9	Needle rinse (lymph node)	Cat	No	2	3	3	1	1	1	4	4	2	1	0
10	Effusion Cell Block	Cat	No	2	3	3	2	1	0	4	4	3	0	0
11	Needle rinse (spleen)	Dog	Yes	2	1	1	3	0	1	1	2	3	1	0
12	Needle rinse (lymph node)	Cat	Yes	2	2	2	3	0	0	1	0	1	0	0
13	Effusion Cell Block	Cat	Yes	2	0	0	0	0	0	4	3	3	0	0
14	Needle rinse (lymph node)	Dog	Yes	2	1	1	3	1	0	1	1	3	0	0
15	Effusion Cell Block	Cat	Yes	2	1	1	1	0	0	4	4	2	0	0

Legend

Archive time: **1** ≤ 15 days; **2** >15 days ≤5 months; **3** >5 ≤12 months; **4** >12 ≤24 months; **5** >24 ≤60 months; **6** >60 months

Positivity: **0** no positive cell; score **1** ≤25%; score **2** >25 and ≤50%; score **3** >50 and ≤75%; score **4** > 75% of positive cells

Intensity: **0** no positive cell; level **1** weak; level **2** moderate; level **3** intense staining, as compared to controls

Background: **0**: no background staining; **1** weak; **2** moderate; **3** intense background staining

Non-specific staining: **0**: absent; **1**: present.

NA: cells not-available/loss of material during the protocol

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Case	Specimen	Species	Coverslipping	Archive Time (Categories)	ICC Cytology					IHC Cell block				
					Positivity (Observer1)	Positivity (Observer2)	Intensity	Background	Non-Specific Stain	Positivity (Observer1)	Positivity (Observer2)	Intensity	Background	Non-Specific Stain
16	Effusion Cell Block	Cat	Yes	2	0	0	0	0	0	2	0	2	0	0
17	Needle rinse (lymph node)	Dog	Yes	3	0	0	0	0	0	1	1	3	0	0
18	Needle rinse (lymph node)	Cat	Yes	3	0	0	0	0	0	1	0	3	0	0
19	Needle rinse (lymph node)	Dog	Yes	3	1	0	3	1	0	1	0	3	0	0
20	Needle rinse (lymph node)	Dog	Yes	3	0	0	0	1	0	1	1	3	0	0
21	Needle rinse (lymph node)	Dog	Yes	3	1	1	2	0	0	1	1	3	0	0
22	Needle rinse (lymph node)	Dog	Yes	3	1	1	1	0	1	1	1	3	0	0
23	Needle rinse (lymph node)	Dog	Yes	3	1	1	3	0	0	1	1	3	0	0
24	Needle rinse (lymph node)	Dog	Yes	3	1	1	1	0	0	1	1	3	0	0
25	Effusion Cell Block	Cat	Yes	4	1	0	1	2	1	3	3	2	1	0
26	Effusion Cell Block	Dog	Yes	4	2	0	1	0	0	2	0	1	0	1
27	Effusion Cell Block	Dog	Yes	4	0	0	0	2	1	2	4	2	1	0
28	Needle rinse (lymph node)	Dog	Yes	4	2	1	2	1	0	1	0	3	0	0
29	Needle rinse (lymph node)	Dog	Yes	4	0	0	0	2	0	3	0	2	1	0
30	Effusion Cell Block	Dog	No	4	4	4	1	0	0	4	4	3	0	0

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					Positivity (Observer1)	Positivity (Observer2)	Intensity	Background	Non-Specific Stain	Positivity (Observer1)	Positivity (Observer2)	Intensity	Background	Non-Specific Stain
31	Needle rinse (lymph node)	Dog	No	4	1	1	1	1	0	1	1	3	0	0
32	Needle rinse (lymph node)	Dog	No	4	1	1	2	2	1	1	1	3	0	0
33	Needle rinse (lymph node)	Dog	No	4	0	0	0	0	0	1	1	3	0	0
34	Needle rinse (cutaneous mass)	Dog	No	4	NA	NA	NA	NA	NA	4	4	3	0	0
35	Effusion Cell Block	Dog	Yes	5	NA	0	NA	NA	NA	3	4	2	0	0
36	Effusion Cell Block	Cat	Yes	5	1	0	1	0	1	3	2	3	0	1
37	Needle rinse (lymph node)	Dog	No	5	0	0	0	0	1	1	1	3	0	1
38	Needle rinse (lymph node)	Dog	Yes	5	1	4	2	2	0	4	4	3	0	0
39	Needle rinse (lymph node)	Dog	No	5	2	0	1	1	1	4	3	3	1	0
40	Needle rinse (lymph node)	Dog	No	5	1	0	1	0	0	1	0	2	0	0
41	Needle rinse (lymph node)	Dog	No	5	1	0	3	1	0	1	0	1	0	0
42	Needle rinse (lymph node)	Dog	No	5	0	0	0	3	1	1	0	1	0	0
43	Needle rinse (lymph node)	Dog	No	5	1	0	2	1	0	1	1	3	0	0
44	Effusion Cell Block	Cat	No	5	1	0	3	1	1	4	4	3	0	0
45	Effusion Cell Block	Cat	No	5	2	4	1	0	0	3	4	2	0	0

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46	Effusion Cell Block	Cat	No	5	1	0	1	2	1	4	4	2	0	0
47	Effusion Cell Block	Cat	Yes	6	2	1	1	0	0	2	0	3	0	0
48	Effusion Cell Block	Cat	Yes	6	0	0	0	0	1	3	4	2	1	0
49	Effusion Cell Block	Cat	Yes	6	NA	0	NA	1	0	2	0	2	0	0
50	Effusion Cell Block	Cat	Yes	6	2	1	3	0	0	3	4	3	0	0
51	Effusion Cell Block	Cat	Yes	6	1	0	1	0	1	3	4	2	0	0
52	Effusion Cell Block	Cat	Yes	6	0	0	0	1	0	1	0	2	1	0
53	Effusion Cell Block	Cat	Yes	6	1	0	1	0	1	2	1	2	0	1
54	Effusion Cell Block	Cat	No	6	NA	NA	NA	NA	NA	0	0	0	0	0
55	Effusion Cell Block	Cat	No	6	NA	NA	NA	NA	NA	4	4	3	0	0
56	Effusion Cell Block	Cat	No	6	0	0	0	0	0	1	1	3	0	0
57	Effusion Cell Block	Cat	No	6	NA	NA	NA	NA	NA	1	1	3	1	1

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