

新型インフルエンザ感染源調査(平成13年度)

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はじめに

新型インフルエンザ感染源調査は、平成10年度からおこなわれている事業で、新型インフルエンザウイルスは、豚の体内でトリインフルエンザウイルスとの交雑がおこなわれ誕生すると言われている。そのため、豚血清中のトリインフルエンザウイルスに対する抗体を検査して、新型インフルエンザの存在を調査している。

材料及び方法

2001年7月中旬から9月中旬までの間に採血した豚血清を検体とした。

感染源調査用抗原は、A/HK/9-1-1(H5N1)、A/HK/1073/99(H9N2)、A/turkey/Wis/66(H9N2)の3種類を用いた。豚血清の前処理については、常法に従っておこない、0.5%ニワトリ赤血球を用いた赤血球凝集抑制試験で抗体価を測定した。

結果及び考察

結果は、表に示したとおり3種類の抗原に対する抗体は、全て陰性であった。

A/HK/1073/99(H9N2)については、豚血清の前処理では非特異的凝集が除去できず、ヒト血清の前処理(RDE処理)をおこなった。

新型インフルエンザ感染源調査(豚血清抗体検査)

1

番号	採血場所	採血年月日	年 齢	A/HK/9-1-1(H5N1)	A/HK/1073/99(H9N2)		A/turkey/Wis/66(H9N2)
				豚血清処理法	豚血清処理法	RDE処理	豚血清処理法
1	坂出市	H13.7.16	6ヶ月	<10	<10	<10	<10
2	"	"	"	"	20	"	"
3	"	"	"	"	<10	"	"
4	"	"	"	"	<10	"	"
5	"	"	"	"	<10	"	"
6	"	"	"	"	20	"	"
7	"	"	"	"	20	"	"
8	"	"	"	"	<10	"	"
9	"	"	"	"	20	"	"
10	"	"	"	"	10	"	"
11	"	"	"	"	<10	"	"
12	"	"	"	"	10	"	"
13	"	"	"	"	10	"	"
14	"	"	"	"	20	"	"
15	"	"	"	"	10	"	"
16	"	"	"	"	10	"	"
17	"	"	"	"	20	"	"
18	"	"	"	"	<10	"	"
19	"	"	"	"	20	"	"
20	"	"	"	"	40	"	"
21	"	H13.7.23	"	"	40	"	"
22	"	"	"	"	20	"	"
23	"	"	"	"	10	"	"
24	"	"	"	"	10	"	"
25	"	"	"	"	20	"	"
26	"	"	"	"	20	"	"
27	"	"	"	"	80	"	"
28	"	"	"	"	20	"	"
29	"	"	"	"	40	"	"
30	"	"	"	"	40	"	"
31	"	"	"	"	10	"	"
32	"	"	"	"	40	"	"
33	"	"	"	"	20	"	"
34	"	"	"	"	40	"	"
35	"	"	"	"	40	"	"
36	"	"	"	"	20	"	"
37	"	"	"	"	20	"	"
38	"	"	"	"	40	"	"
39	"	"	"	"	40	"	"
40	"	"	"	"	80	"	"

新型インフルエンザ感染源調査(豚血清抗体検査)

2

番号	採血場所	採血年月日	年 齢	A/HK/9-1-1(H5N1)	A/HK/1073/99(H9N2)		A/turkey/Wis/66(H9N2)
				豚血清処理法	豚血清処理法	RDE処理	豚血清処理法
41	坂出市	H13.7.30	6ヶ月	<10	80	<10	<10
42	"	"	"	"	10	"	"
43	"	"	"	"	20	"	"
44	"	"	"	"	40	"	"
45	"	"	"	"	40	"	"
46	"	"	"	"	40	"	"
47	"	"	"	"	80	"	"
48	"	"	"	"	40	"	"
49	"	"	"	"	40	"	"
50	"	"	"	"	80	"	"
51	"	"	"	"	160	"	"
52	"	"	"	"	40	"	"
53	"	"	"	"	10	"	"
54	"	"	"	"	40	"	"
55	"	"	"	"	20	"	"
56	"	"	"	"	20	"	"
57	"	"	"	"	40	"	"
58	"	"	"	"	40	"	"
59	"	"	"	"	20	"	"
60	"	"	"	"	160	"	"
61	"	H13.8.6	"	"	80	"	"
62	"	"	"	"	20	"	"
63	"	"	"	"	10	"	"
64	"	"	"	"	40	"	"
65	"	"	"	"	40	"	"
66	"	"	"	"	10	"	"
67	"	"	"	"	20	"	"
68	"	"	"	"	20	"	"
69	"	"	"	"	40	"	"
70	"	"	"	"	10	"	"
71	"	"	"	"	160	"	"
72	"	"	"	"	640	"	"
73	"	"	"	"	640	"	"
74	"	"	"	"	80	"	"
75	"	"	"	"	80	"	"
76	"	"	"	"	20	"	"
77	"	"	"	"	160	"	"
78	"	"	"	"	80	"	"
79	"	"	"	"	20	"	"
80	"	"	"	"	80	"	"

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3

番号	採血場所	採血年月日	年 齢	A/HK/9-1-1(H5N1)	A/HK/1073/99(H9N2)		A/turkey/Wis/66(H9N2)
				豚血清処理法	豚血清処理法	RDE処理	豚血清処理法
81	坂出市	H13. 8 .20	6 ヶ月	< 10	10	< 10	< 10
82	"	"	"	"	20	"	"
83	"	"	"	"	40	"	"
84	"	"	"	"	160	"	"
85	"	"	"	"	10	"	"
86	"	"	"	"	20	"	"
87	"	"	"	"	20	"	"
88	"	"	"	"	10	"	"
89	"	"	"	"	20	"	"
90	"	"	"	"	20	"	"
91	"	"	"	"	20	"	"
92	"	"	"	"	10	"	"
93	"	"	"	"	20	"	"
94	"	"	"	"	10	"	"
95	"	"	"	"	40	"	"
96	"	"	"	"	20	"	"
97	"	"	"	"	20	"	"
98	"	"	"	"	20	"	"
99	"	"	"	"	40	"	"
100	"	"	"	"	80	"	"
101	"	H13. 8 .27	"	"	80	"	"
102	"	"	"	"	40	"	"
103	"	"	"	"	40	"	"
104	"	"	"	"	40	"	"
105	"	"	"	"	40	"	"
106	"	"	"	"	160	"	"
107	"	"	"	"	160	"	"
108	"	"	"	"	80	"	"
109	"	"	"	"	80	"	"
110	"	"	"	"	80	"	"
111	"	"	"	"	20	"	"
112	"	"	"	"	40	"	"
113	"	"	"	"	80	"	"
114	"	"	"	"	40	"	"
115	"	"	"	"	80	"	"
116	"	"	"	"	80	"	"
117	"	"	"	"	40	"	"
118	"	"	"	"	80	"	"
119	"	"	"	"	80	"	"
120	"	"	"	"	80	"	"

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4

番号	採血場所	採血年月日	年 齢	A/HK/9-1-1(H5N1)	A/HK/1073/99(H9N2)		A/turkey/Wis/66(H9N2)
				豚血清処理法	豚血清処理法	RDE処理	豚血清処理法
121	坂出市	H13.9.3	6ヶ月	<10	160	<10	<10
122	"	"	"	"	80	"	"
123	"	"	"	"	160	"	"
124	"	"	"	"	80	"	"
125	"	"	"	"	80	"	"
126	"	"	"	"	40	"	"
127	"	"	"	"	80	"	"
128	"	"	"	"	20	"	"
129	"	"	"	"	40	"	"
130	"	"	"	"	10	"	"
131	"	"	"	"	160	"	"
132	"	"	"	"	20	"	"
133	"	"	"	"	320	"	"
134	"	"	"	"	160	"	"
135	"	"	"	"	160	"	"
136	"	"	"	"	160	"	"
137	"	"	"	"	160	"	"
138	"	"	"	"	80	"	"
139	"	"	"	"	80	"	"
140	"	"	"	"	80	"	"
141	"	H13.9.10	"	"	160	"	"
142	"	"	"	"	160	"	"
143	"	"	"	"	160	"	"
144	"	"	"	"	160	"	"
145	"	"	"	"	640	"	"
146	"	"	"	"	160	"	"
147	"	"	"	"	160	"	"
148	"	"	"	"	320	"	"
149	"	"	"	"	160	"	"
150	"	"	"	"	320	"	"
151	"	"	"	"	320	"	"
152	"	"	"	"	160	"	"
153	"	"	"	"	160	"	"
154	"	"	"	"	160	"	"
155	"	"	"	"	320	"	"
156	"	"	"	"	160	"	"
157	"	"	"	"	320	"	"
158	"	"	"	"	160	"	"
159	"	"	"	"	160	"	"
160	"	"	"	"	320	"	"