

## Clinical Study on the 2019-Novel Coronavirus(2019-nCoV) Triplex RT-qPCR Detection Kit

To validate clinical effectiveness, a comparative study was carried out between the Vazyme reagent and t Biogerm reagent, the judgement results were compared to the available clinical diagnostic results, and the relevant test data were obtained and statistically analyzed. The data were compared and analyzed in this study to evaluate the clinical performance of the test reagent. Statistical analysis was conducted for the test results, and then the statistical results were given to finally complete the clinical report. Clinical samples were numbered according to the principle of complete randomization. To evaluate the clinical application performance of the test kit, the test results of the kit were compared with the clinical diagnosis results.

In this study, 276 cases were included, of which 119 cases were confirmed by clinical diagnosis and 157 cases were excluded. Comparative analysis of clinical diagnosis results with test reagent results. According to the number of cases confirmed or excluded upon clinical diagnosis results, the statistical results were as follows:

Experiment		Clinical Diagnosis Result		Total
		Confirmed	Excluded	
Test Reagent Result	Positive (+)	118 (Sputum-79; Throat swab-39)	1 (Sputum)	119
	Negative (-)	0	157 (Sputum-69; Throat swab-88)	157
Total number		118	158	276

Clinical sensitivity: 100%; Clinical specificity: 99.14%; Total clinical coincidence rate: 99.64%.

	Positive Coincidence Rate	Negative Coincidence Rate	Total Coincidence Rate
Test Reagent Results and Clinical Diagnosis Results	100% (95%CI:96.85%,100%)	99.37% (95%CI:96.50%,99.89%)	99.64% (95%CI:97.98%,99.94%)

In summary, this clinical study shows that 2019-Novel Coronavirus(2019-nCoV) TriplexRT-qPCR Detection Kit developed by Nanjing Vazyme Medical Technology Co., Ltd. has high clinical sensitivity and high clinical specificity, and meets the clinical detection requirements, with a higher value in clinical application.

**Clinical data:**

Subject number	Sample type	Clinical diagnosis	Detection result						Judgement	Note
			Vazyme			Biogerm				
			ORF1ab	N	Internal control	ORF1ab	N	Internal control		
1	Throat swab	Negative (-)	-	-	23.79	-	-	22.97	Negative (-)	Coincident
2	Throat swab	Negative (-)	-	-	28.47	-	-	29.11	Negative (-)	Coincident
3	Throat swab	Negative (-)	-	-	29.44	-	-	29.98	Negative (-)	Coincident
4	Throat swab	Negative (-)	-	-	30.23	-	-	34.09	Negative (-)	Coincident
5	Throat swab	Positive (+)	25.02	25.10	25.13	25.35	25.45	26.39	Positive (+)	Coincident
6	Throat swab	Negative (-)	-	-	28.20	-	-	29.47	Negative (-)	Coincident
7	Throat swab	Negative (-)	-	-	31.34	-	-	32.67	Negative (-)	Coincident
8	Throat swab	Negative (-)	-	-	35.56	-	-	36.37	Negative (-)	Coincident
9	Throat swab	Negative (-)	-	-	27.38	-	-	29.20	Negative (-)	Coincident
10	Throat swab	Negative (-)	-	-	31.19	-	-	32.57	Negative (-)	Coincident
11	Throat swab	Negative (-)	-	-	31.00	-	-	32.68	Negative (-)	Coincident
12	Throat swab	Negative (-)	-	-	32.79	-	-	33.60	Negative (-)	Coincident
13	Throat swab	Positive (+)	35.47	36.79	26.52	36.45	37.41	28.25	Positive (+)	Coincident
14	Throat swab	Negative (-)	-	-	26.27	-	-	28.58	Negative (-)	Coincident
15	Throat swab	Negative (-)	-	-	31.83	-	-	33.44	Negative (-)	Coincident
16	Throat swab	Negative (-)	-	-	26.94	-	-	37.52	Negative (-)	Coincident
17	Throat swab	Positive (+)	28.76	28.61	27.87	30.14	29.90	30.11	Positive (+)	Coincident
18	Throat swab	Negative (-)	-	-	30.44	-	-	34.06	Negative (-)	Coincident
19	Throat swab	Negative (-)	-	-	30.36	-	-	31.72	Negative (-)	Coincident
20	Throat swab	Negative (-)	-	-	30.83	-	-	31.88	Negative (-)	Coincident
21	Throat swab	Positive (+)	31.01	31.12	27.50	32.78	31.95	30.03	Positive (+)	Coincident
22	Throat swab	Negative (-)	-	-	25.61	-	-	28.04	Negative (-)	Coincident
23	Throat swab	Negative (-)	-	-	28.41	-	-	31.82	Negative (-)	Coincident
24	Throat swab	Negative (-)	-	-	27.53	-	-	30.39	Negative (-)	Coincident
25	Throat swab	Negative (-)	-	-	26.28	-	-	31.88	Negative (-)	Coincident
26	Throat swab	Positive (+)	36.09	35.90	30.47	39.25	36.87	33.37	Positive (+)	Coincident
27	Throat swab	Positive (+)	31.35	32.35	27.18	31.70	32.59	29.80	Positive (+)	Coincident
28	Throat swab	Negative (-)	-	-	30.19	-	-	33.40	Negative (-)	Coincident
29	Throat swab	Negative (-)	-	-	28.01	-	-	30.64	Negative (-)	Coincident
30	Throat swab	Negative (-)	-	-	27.99	-	-	27.83	Negative (-)	Coincident
31	Throat swab	Negative (-)	-	-	30.21	-	-	39.05	Negative (-)	Coincident
32	Throat swab	Negative (-)	-	-	31.83	-	-	33.86	Negative (-)	Coincident
33	Throat swab	Positive (+)	32.56	33.54	29.07	33.41	34.75	30.99	Positive (+)	Coincident
34	Throat swab	Negative (-)	-	-	29.10	-	-	29.45	Negative (-)	Coincident

35	Throat swab	Negative (-)	-	-	31.85	-	-	32.10	Negative (-)	Coincident
36	Throat swab	Negative (-)	-	-	27.55	-	-	35.65	Negative (-)	Coincident
37	Throat swab	Negative (-)	-	-	29.07	-	-	29.82	Negative (-)	Coincident
38	Throat swab	Negative (-)	-	-	31.27	-	-	33.20	Negative (-)	Coincident
39	Throat swab	Negative (-)	-	-	24.96	-	-	25.56	Negative (-)	Coincident
40	Throat swab	Positive (+)	33.78	34.12	28.66	37.78	35.27	31.42	Positive (+)	Coincident
41	Throat swab	Negative (-)	-	-	28.98	-	-	30.05	Negative (-)	Coincident
42	Throat swab	Negative (-)	-	-	23.88	-	-	24.11	Negative (-)	Coincident
43	Throat swab	Negative (-)	-	-	29.56	-	-	36.16	Negative (-)	Coincident
44	Throat swab	Negative (-)	-	-	28.99	-	-	31.37	Negative (-)	Coincident
45	Throat swab	Negative (-)	-	-	26.08	-	-	31.11	Negative (-)	Coincident
46	Throat swab	Negative (-)	-	-	33.28	-	-	33.45	Negative (-)	Coincident
47	Throat swab	Positive (+)	34.45	35.31	27.78	35.42	36.98	30.48	Positive (+)	Coincident
48	Throat swab	Negative (-)	-	-	32.26	-	-	34.82	Negative (-)	Coincident
49	Throat swab	Negative (-)	-	-	32.69	-	-	39.25	Negative (-)	Coincident
50	Throat swab	Negative (-)	-	-	29.73	-	-	31.50	Negative (-)	Coincident
51	Throat swab	Negative (-)	-	-	33.45	-	-	35.71	Negative (-)	Coincident
52	Throat swab	Negative (-)	-	-	26.72	-	-	37.58	Negative (-)	Coincident
53	Throat swab	Positive (+)	32.65	31.55	25.94	34.33	33.13	27.19	Positive (+)	Coincident
54	Throat swab	Negative (-)	-	-	27.82	-	-	27.97	Negative (-)	Coincident
55	Throat swab	Positive (+)	33.05	31.80	28.89	34.91	33.43	31.39	Positive (+)	Coincident
56	Throat swab	Negative (-)	-	-	27.56	-	-	31.83	Negative (-)	Coincident
57	Throat swab	Positive (+)	33.85	33.79	28.02	36.09	34.80	30.82	Positive (+)	Coincident
58	Throat swab	Negative (-)	-	-	33.13	-	-	35.58	Negative (-)	Coincident
59	Throat swab	Negative (-)	-	-	28.58	-	-	30.35	Negative (-)	Coincident
60	Throat swab	Negative (-)	-	-	29.96	-	-	30.58	Negative (-)	Coincident
61	Throat swab	Negative (-)	-	-	29.73	-	-	31.28	Negative (-)	Coincident
62	Throat swab	Negative (-)	-	-	34.55	-	-	34.56	Negative (-)	Coincident
63	Throat swab	Positive (+)	31.53	30.27	23.01	32.95	31.39	22.02	Positive (+)	Coincident
64	Throat swab	Negative (-)	-	-	32.28	-	-	34.78	Negative (-)	Coincident
65	Throat swab	Negative (-)	-	-	31.10	-	-	32.42	Negative (-)	Coincident
66	Throat swab	Negative (-)	-	-	26.67	-	-	27.83	Negative (-)	Coincident
67	Throat swab	Positive (+)	30.29	30.21	28.88	32.07	31.08	31.20	Positive (+)	Coincident
68	Throat swab	Negative (-)	-	-	29.59	-	-	30.70	Negative (-)	Coincident
69	Throat swab	Positive (+)	36.39	34.45	29.85	39.66	36.35	32.45	Positive (+)	Coincident
70	Throat swab	Negative (-)	-	-	28.28	-	-	31.71	Negative (-)	Coincident
71	Throat swab	Negative (-)	-	-	29.79	-	-	39.62	Negative (-)	Coincident
72	Throat swab	Negative (-)	-	-	28.54	-	-	30.78	Negative (-)	Coincident
73	Throat swab	Negative (-)	-	-	24.98	-	-	27.45	Negative (-)	Coincident
74	Throat swab	Negative (-)	-	-	25.61	-	-	28.38	Negative (-)	Coincident
75	Throat swab	Negative (-)	-	-	27.32	-	-	30.46	Negative (-)	Coincident
76	Throat swab	Negative (-)	-	-	30.69	-	-	32.85	Negative (-)	Coincident
77	Throat swab	Negative (-)	-	-	29.68	-	-	32.26	Negative (-)	Coincident

78	Throat swab	Negative (-)	-	-	32.69	-	-	35.65	Negative (-)	Coincident
79	Throat swab	Negative (-)	-	-	29.69	-	-	30.52	Negative (-)	Coincident
80	Throat swab	Negative (-)	-	-	31.87	-	-	34.26	Negative (-)	Coincident
81	Throat swab	Positive (+)	35.38	33.32	27.33	37.33	34.86	29.99	Positive (+)	Coincident
82	Throat swab	Positive (+)	33.28	33.62	26.79	35.09	35.62	29.52	Positive (+)	Coincident
83	Throat swab	Negative (-)	-	-	32.33	-	-	34.24	Negative (-)	Coincident
84	Throat swab	Positive (+)	25.93	25.72	26.37	24.07	25.58	28.09	Positive (+)	Coincident
85	Throat swab	Negative (-)	-	-	28.34	-	-	29.97	Negative (-)	Coincident
86	Throat swab	Positive (+)	34.84	34.08	26.39	36.17	36.23	28.77	Positive (+)	Coincident
87	Throat swab	Negative (-)	-	-	29.21	-	-	32.85	Negative (-)	Coincident
88	Throat swab	Negative (-)	-	-	28.99	-	-	31.33	Negative (-)	Coincident
89	Sputum	Positive (+)	30.28	30.05	27.21	31.23	31.38	29.68	Positive (+)	Coincident
90	Sputum	Negative (-)	-	-	31.80	-	-	37.52	Negative (-)	Coincident
91	Sputum	Negative (-)	-	-	29.56	-	-	31.65	Negative (-)	Coincident
92	Sputum	Positive (+)	33.68	34.63	29.18	34.87	34.92	31.96	Positive (+)	Coincident
93	Sputum	Negative (-)	-	-	28.45	-	-	30.43	Negative (-)	Coincident
94	Sputum	Negative (-)	-	-	27.56	-	-	28.56	Negative (-)	Coincident
95	Sputum	Negative (-)	-	-	26.35	-	-	27.11	Negative (-)	Coincident
96	Sputum	Negative (-)	-	-	30.51	-	-	27.99	Negative (-)	Coincident
97	Sputum	Positive (+)	37.04	36.83	30.12	38.51	38.52	32.14	Positive (+)	Coincident
98	Sputum	Negative (-)	-	-	29.72	-	-	30.91	Negative (-)	Coincident
99	Sputum	Positive (+)	36.35	34.78	27.96	37.00	36.11	30.03	Positive (+)	Coincident
100	Sputum	Negative (-)	-	-	28.29	-	-	29.97	Negative (-)	Coincident
101	Sputum	Negative (-)	-	-	29.30	-	-	33.56	Negative (-)	Coincident
102	Sputum	Negative (-)	-	-	31.26	-	-	28.01	Negative (-)	Coincident
103	Sputum	Negative (-)	-	-	28.53	-	-	29.90	Negative (-)	Coincident
104	Sputum	Negative (-)	-	-	31.24	-	-	36.09	Negative (-)	Coincident
105	Sputum	Negative (-)	-	-	29.09	-	-	29.87	Negative (-)	Coincident
106	Sputum	Positive (+)	31.15	30.70	28.15	33.20	31.94	30.50	Positive (+)	Coincident
107	Sputum	Negative (-)	-	-	28.06	-	-	30.90	Negative (-)	Coincident
108	Sputum	Negative (-)	-	-	34.10	-	-	36.93	Negative (-)	Coincident
109	Sputum	Positive (+)	35.83	34.41	26.88	36.75	35.64	29.01	Positive (+)	Coincident
110	Sputum	Negative (-)	-	-	27.70	-	-	31.84	Negative (-)	Coincident
111	Sputum	Negative (-)	-	-	34.73	-	-	37.35	Negative (-)	Coincident
112	Sputum	Positive (+)	35.74	36.94	29.72	36.56	37.86	31.54	Positive (+)	Coincident
113	Sputum	Negative (-)	-	-	30.97	-	-	36.12	Negative (-)	Coincident
114	Sputum	Positive (+)	39.52	38.92	23.96	-	-	24.08	Negative (-)	Uncoincident
115	Sputum	Positive (+)	30.15	30.12	29.42	31.03	30.89	31.86	Positive (+)	Coincident
116	Sputum	Negative (-)	-	-	33.13	-	-	33.77	Negative (-)	Coincident
117	Sputum	Negative (-)	-	-	33.48	-	-	35.11	Negative (-)	Coincident
118	Sputum	Negative (-)	-	-	29.53	-	-	29.82	Negative (-)	Coincident
119	Sputum	Positive (+)	33.91	34.19	29.80	38.28	35.68	33.18	Positive (+)	Coincident
120	Sputum	Negative (-)	-	-	28.49	-	-	38.25	Negative (-)	Coincident

121	Sputum	Positive (+)	30.98	30.33	26.11	32.49	31.29	28.37	Positive (+)	Coincident
122	Sputum	Negative (-)	-	-	31.14	-	-	33.19	Negative (-)	Coincident
123	Sputum	Negative (-)	-	-	30.11	-	-	32.21	Negative (-)	Coincident
124	Sputum	Negative (-)	-	-	31.36	-	-	32.45	Negative (-)	Coincident
125	Sputum	Negative (-)	-	-	32.95	-	-	38.19	Negative (-)	Coincident
126	Sputum	Positive (+)	28.55	28.21	26.53	29.69	28.92	28.67	Positive (+)	Coincident
127	Sputum	Negative (-)	-	-	29.57	-	-	30.86	Negative (-)	Coincident
128	Sputum	Positive (+)	33.54	32.20	26.30	35.58	32.97	28.57	Positive (+)	Coincident
129	Sputum	Negative (-)	-	-	30.14	-	-	31.65	Negative (-)	Coincident
130	Sputum	Negative (-)	-	-	25.46	-	-	26.44	Negative (-)	Coincident
131	Sputum	Negative (-)	-	-	31.85	-	-	36.17	Negative (-)	Coincident
132	Sputum	Negative (-)	-	-	28.21	-	-	29.14	Negative (-)	Coincident
133	Sputum	Positive (+)	31.12	30.27	26.06	32.51	31.04	27.99	Positive (+)	Coincident
134	Sputum	Negative (-)	-	-	31.97	-	-	34.86	Negative (-)	Coincident
135	Sputum	Negative (-)	-	-	27.86	-	-	29.46	Negative (-)	Coincident
136	Sputum	Negative (-)	-	-	25.65	-	-	26.35	Negative (-)	Coincident
137	Sputum	Negative (-)	-	-	33.26	-	-	30.45	Negative (-)	Coincident
138	Sputum	Negative (-)	-	-	29.77	-	-	30.77	Negative (-)	Coincident
139	Sputum	Positive (+)	35.25	35.53	26.12	36.31	36.70	28.13	Positive (+)	Coincident
140	Sputum	Negative (-)	-	-	33.40	-	-	35.24	Negative (-)	Coincident
141	Sputum	Positive (+)	31.28	31.84	27.65	32.22	33.04	29.92	Positive (+)	Coincident
142	Sputum	Negative (-)	-	-	29.23	-	-	31.60	Negative (-)	Coincident
143	Sputum	Positive (+)	33.06	31.99	27.57	34.42	33.26	30.15	Positive (+)	Coincident
144	Sputum	Negative (-)	-	-	29.79	-	-	39.66	Negative (-)	Coincident
145	Sputum	Negative (-)	-	-	31.59	-	-	39.22	Negative (-)	Coincident
146	Sputum	Negative (-)	-	-	33.02	-	-	35.41	Negative (-)	Coincident
147	Sputum	Negative (-)	-	-	31.06	-	-	34.93	Negative (-)	Coincident
148	Sputum	Negative (-)	-	-	34.14	-	-	34.58	Negative (-)	Coincident
149	Sputum	Negative (-)	-	-	29.90	-	-	35.15	Negative (-)	Coincident
150	Sputum	Negative (-)	-	-	32.39	-	-	34.31	Negative (-)	Coincident
151	Sputum	Negative (-)	-	-	33.27	-	-	35.52	Negative (-)	Coincident
<b>Follow-up clinical sample data</b>										
152	Throat swab	Positive (+)	32.74	34.11	25.65	35.47	35.76	27.42	Positive (+)	Coincident
153	Throat swab	Positive (+)	28.87	28.48	26.82	29.74	29.64	28.73	Positive (+)	Coincident
154	Throat swab	Negative (-)	-	-	30.88	-	-	31.88	Negative (-)	Coincident
155	Throat swab	Positive (+)	22.41	22.57	26.27	23.54	24.02	27.36	Positive (+)	Coincident
156	Throat swab	Positive (+)	26.97	28.88	28.27	27.82	29.76	30.06	Positive (+)	Coincident
157	Throat swab	Positive (+)	33.46	30.26	25.58	36.01	31.98	27.20	Positive (+)	Coincident
158	Throat swab	Negative (-)	-	-	29.46	-	-	30.39	Negative (-)	Coincident
159	Throat swab	Positive (+)	30.07	32.01	29.56	31.01	32.78	31.39	Positive (+)	Coincident
160	Throat swab	Positive (+)	34.70	34.82	25.82	35.47	36.64	27.21	Positive (+)	Coincident
161	Throat swab	Positive (+)	37.71	36.35	27.27	37.05	36.95	29.86	Positive (+)	Coincident
162	Throat swab	Positive (+)	29.79	29.14	29.03	30.54	30.57	31.62	Positive (+)	Coincident

163	Throat swab	Negative (-)	-	-	28.26	-	-	28.57	Negative (-)	Coincident
164	Throat swab	Positive (+)	30.42	31.99	28.57	31.69	33.57	31.00	Positive (+)	Coincident
165	Throat swab	Positive (+)	33.18	35.23	28.60	36.06	36.22	30.79	Positive (+)	Coincident
166	Throat swab	Positive (+)	26.91	27.56	28.15	28.22	29.21	30.21	Positive (+)	Coincident
167	Throat swab	Positive (+)	23.71	25.22	26.70	25.12	26.61	28.27	Positive (+)	Coincident
168	Throat swab	Positive (+)	31.16	29.88	29.52	32.38	31.82	31.50	Positive (+)	Coincident
169	Throat swab	Positive (+)	32.54	33.34	25.07	33.67	36.07	26.84	Positive (+)	Coincident
170	Throat swab	Negative (-)	-	-	30.70	-	-	31.50	Negative (-)	Coincident
171	Throat swab	Positive (+)	27.58	28.21	25.74	29.91	30.36	27.92	Positive (+)	Coincident
172	Throat swab	Positive (+)	25.17	26.53	25.95	26.15	27.87	27.37	Positive (+)	Coincident
173	Throat swab	Negative (-)	-	-	29.44	-	-	30.79	Negative (-)	Coincident
174	Throat swab	Positive (+)	30.97	32.01	27.19	32.26	33.71	29.23	Positive (+)	Coincident
175	Throat swab	Positive (+)	27.67	28.86	28.16	29.07	30.47	29.96	Positive (+)	Coincident
176	Throat swab	Positive (+)	31.54	32.33	26.20	32.58	34.45	27.59	Positive (+)	Coincident
177	Throat swab	Positive (+)	26.78	27.03	29.04	27.71	28.62	31.25	Positive (+)	Coincident
178	Throat swab	Negative (-)	-	-	30.50	-	-	31.14	Negative (-)	Coincident
179	Throat swab	Negative (-)	-	-	32.77	-	-	34.55	Negative (-)	Coincident
180	Throat swab	Negative (-)	-	-	30.38	-	-	31.20	Negative (-)	Coincident
181	Throat swab	Positive (+)	29.74	30.24	24.97	31.03	31.77	26.62	Positive (+)	Coincident
182	Throat swab	Positive (+)	24.18	25.50	29.20	25.56	27.25	30.90	Positive (+)	Coincident
183	Throat swab	Negative (-)	-	-	28.41	-	-	28.49	Negative (-)	Coincident
184	Throat swab	Positive (+)	25.23	24.30	24.74	26.28	26.45	26.57	Positive (+)	Coincident
185	Throat swab	Negative (-)	-	-	30.71	-	-	31.34	Negative (-)	Coincident
186	Throat swab	Positive (+)	28.65	29.69	29.28	29.64	30.54	32.04	Positive (+)	Coincident
187	Throat swab	Negative (-)	-	-	29.80	-	-	30.22	Negative (-)	Coincident
188	Throat swab	Positive (+)	27.65	29.71	27.03	28.39	30.81	28.43	Positive (+)	Coincident
189	Throat swab	Negative (-)	-	-	28.53	-	-	29.07	Negative (-)	Coincident
190	Throat swab	Positive (+)	30.45	30.72	36.16	31.64	31.66	32.03	Positive (+)	Coincident
191	Throat swab	Negative (-)	-	-	30.71	-	-	31.83	Negative (-)	Coincident
192	Throat swab	Positive (+)	24.18	22.97	28.17	25.17	24.86	29.74	Positive (+)	Coincident
193	Throat swab	Positive (+)	23.25	23.61	33.55	24.59	25.22	36.48	Positive (+)	Coincident
194	Throat swab	Positive (+)	33.37	34.56	37.67	34.68	35.39	31.55	Positive (+)	Coincident
195	Throat swab	Positive (+)	36.45	35.24	28.93	36.64	34.94	28.37	Positive (+)	Coincident
196	Throat swab	Positive (+)	35.57	35.67	30.48	34.52	37.34	33.28	Positive (+)	Coincident
197	Throat swab	Negative (-)	-	-	31.44	-	-	32.14	Negative (-)	Coincident
198	Throat swab	Positive (+)	30.30	30.91	29.35	30.78	32.55	30.62	Positive (+)	Coincident
199	Throat swab	Positive (+)	32.47	31.81	31.53	32.51	33.67	33.10	Positive (+)	Coincident
200	Throat swab	Positive (+)	28.71	26.89	27.32	29.18	29.01	28.89	Positive (+)	Coincident
201	Throat swab	Negative (-)	-	-	31.63	-	-	32.52	Negative (-)	Coincident
202	Throat swab	Negative (-)	-	-	31.93	-	-	32.71	Negative (-)	Coincident
203	Throat swab	Positive (+)	30.38	30.26	31.13	31.35	32.29	32.55	Positive (+)	Coincident
204	Throat swab	Positive (+)	36.28	35.86	33.77	36.72	36.69	35.55	Positive (+)	Coincident
205	Throat swab	Positive (+)	33.70	34.53	29.42	35.47	35.87	31.35	Positive (+)	Coincident

206	Throat swab	Negative (-)	-	-	32.38	-	-	33.23	Negative (-)	Coincident
207	Throat swab	Positive (+)	33.96	34.54	31.95	36.12	35.83	33.15	Positive (+)	Coincident
208	Throat swab	Negative (-)	-	-	29.10	-	-	29.80	Negative (-)	Coincident
209	Throat swab	Positive (+)	30.64	32.69	25.89	32.41	33.53	27.51	Positive (+)	Coincident
210	Throat swab	Positive (+)	26.30	29.04	29.18	26.62	29.35	31.06	Positive (+)	Coincident
211	Throat swab	Negative (-)	-	-	30.06	-	-	30.83	Negative (-)	Coincident
212	Throat swab	Positive (+)	31.28	32.85	26.00	31.82	33.60	27.24	Positive (+)	Coincident
213	Throat swab	Negative (-)	-	-	32.19	-	-	32.68	Negative (-)	Coincident
214	Throat swab	Positive (+)	25.15	26.70	27.48	25.33	27.03	29.16	Positive (+)	Coincident
215	Throat swab	Negative (-)	-	-	31.04	-	-	31.82	Negative (-)	Coincident
216	Throat swab	Negative (-)	-	-	30.81	-	-	31.77	Negative (-)	Coincident
217	Throat swab	Positive (+)	28.44	32.53	26.16	29.49	33.22	28.11	Positive (+)	Coincident
218	Throat swab	Positive (+)	26.38	28.80	29.67	27.08	29.48	31.96	Positive (+)	Coincident
219	Throat swab	Negative (-)	-	-	32.00	-	-	32.51	Negative (-)	Coincident
220	Throat swab	Negative (-)	-	-	32.46	-	-	32.74	Negative (-)	Coincident
221	Throat swab	Positive (+)	32.69	34.20	25.20	33.71	34.42	26.15	Positive (+)	Coincident
222	Throat swab	Positive (+)	32.00	30.39	27.32	32.64	30.90	28.56	Positive (+)	Coincident
223	Throat swab	Positive (+)	27.01	29.25	25.78	28.29	30.23	27.45	Positive (+)	Coincident
224	Throat swab	Positive (+)	29.95	32.70	30.01	31.47	33.46	32.60	Positive (+)	Coincident
225	Throat swab	Positive (+)	25.87	28.34	29.85	26.72	28.40	32.92	Positive (+)	Coincident
226	Throat swab	Positive (+)	27.40	29.22	27.25	28.10	29.28	29.57	Positive (+)	Coincident
227	Throat swab	Positive (+)	26.89	28.53	28.39	28.15	29.69	31.27	Positive (+)	Coincident
228	Throat swab	Negative (-)	-	-	29.53	-	-	30.68	Negative (-)	Coincident
229	Throat swab	Positive (+)	29.57	30.36	27.33	31.20	31.42	29.65	Positive (+)	Coincident
230	Throat swab	Positive (+)	28.56	31.11	28.47	30.51	32.50	31.91	Positive (+)	Coincident
231	Throat swab	Positive (+)	32.50	36.01	28.07	37.75	36.59	30.78	Positive (+)	Coincident
232	Throat swab	Positive (+)	27.95	30.09	27.70	28.97	30.69	30.00	Positive (+)	Coincident
233	Throat swab	Negative (-)	-	-	31.12	-	-	32.24	Negative (-)	Coincident
234	Throat swab	Positive (+)	28.07	31.39	27.45	30.12	32.46	30.11	Positive (+)	Coincident
235	Throat swab	Positive (+)	26.38	28.07	26.80	26.70	28.45	28.73	Positive (+)	Coincident
236	Throat swab	Positive (+)	29.16	31.60	28.68	30.91	31.99	32.27	Positive (+)	Coincident
237	Throat swab	Negative (-)	-	-	28.02	-	-	28.57	Negative (-)	Coincident
238	Throat swab	Positive (+)	31.69	34.73	28.41	34.60	35.47	31.69	Positive (+)	Coincident
239	Throat swab	Negative (-)	-	-	29.86	-	-	30.75	Negative (-)	Coincident
240	Throat swab	Negative (-)	-	-	30.18	-	-	30.61	Negative (-)	Coincident
241	Sputum	Positive (+)	28.59	29.57	26.01	29.54	30.67	28.41	Positive (+)	Coincident
242	Sputum	Negative (-)	-	-	30.49	-	-	31.45	Negative (-)	Coincident
243	Sputum	Positive (+)	24.48	26.26	29.03	23.94	27.00	31.07	Positive (+)	Coincident
244	Sputum	Positive (+)	30.21	30.98	24.95	31.25	32.01	27.98	Positive (+)	Coincident
245	Sputum	Positive (+)	35.49	36.14	26.63	36.80	37.54	29.06	Positive (+)	Coincident
246	Sputum	Negative (-)	-	-	29.62	-	-	30.92	Negative (-)	Coincident
247	Sputum	Positive (+)	26.89	29.45	26.40	27.85	28.64	28.42	Positive (+)	Coincident
248	Sputum	Positive (+)	29.68	28.33	24.89	30.12	30.10	27.00	Positive (+)	Coincident

249	Sputum	Negative (-)	-	-	32.17	-	-	32.35	Negative (-)	Coincident
250	Sputum	Positive (+)	36.64	37.54	29.28	37.54	37.86	31.35	Positive (+)	Coincident
251	Sputum	Negative (-)	-	-	33.41	-	-	34.05	Negative (-)	Coincident
252	Sputum	Positive (+)	34.23	34.68	29.83	33.70	35.67	32.13	Positive (+)	Coincident
253	Sputum	Negative (-)	-	-	30.34	-	-	31.15	Negative (-)	Coincident
254	Sputum	Negative (-)	-	-	27.91	-	-	28.18	Negative (-)	Coincident
255	Sputum	Positive (+)	32.54	33.47	24.31	33.14	34.56	26.77	Positive (+)	Coincident
256	Sputum	Positive (+)	35.20	35.64	26.16	36.21	35.49	29.50	Positive (+)	Coincident
257	Sputum	Positive (+)	28.45	29.38	27.88	29.45	30.54	30.97	Positive (+)	Coincident
258	Sputum	Negative (-)	-	-	28.18	-	-	28.57	Negative (-)	Coincident
259	Sputum	Positive (+)	35.62	34.42	29.91	35.36	37.10	31.94	Positive (+)	Coincident
260	Sputum	Positive (+)	30.24	31.25	24.9	31.05	32.47	26.15	Positive (+)	Coincident
261	Sputum	Positive (+)	33.05	32.15	24.86	32.82	32.46	25.62	Positive (+)	Coincident
262	Sputum	Negative (-)	-	-	29.02	-	-	29.85	Negative (-)	Coincident
263	Sputum	Positive (+)	33.89	34.8	30.18	35.89	36.56	37.39	Positive (+)	Coincident
264	Sputum	Positive (+)	34.2	35.24	28.27	35.08	36.57	31.52	Positive (+)	Coincident
265	Sputum	Negative (-)	-	-	27.12	-	-	27.22	Negative (-)	Coincident
266	Sputum	Positive (+)	30.8	30.92	25.98	30.33	31.34	27.82	Positive (+)	Coincident
267	Sputum	Positive (+)	29.87	30.54	27.56	30.45	30.87	31.53	Positive (+)	Coincident
268	Sputum	Positive (+)	34.84	35.27	26.64	34.89	36.76	29.73	Positive (+)	Coincident
269	Sputum	Positive (+)	29.54	29.74	26.73	30.25	31.57	29.51	Positive (+)	Coincident
270	Sputum	Positive (+)	31.28	32.98	26.85	30.12	32.81	29.18	Positive (+)	Coincident
271	Sputum	Positive (+)	27.54	28.54	27.58	28.54	29.87	31.29	Positive (+)	Coincident
272	Sputum	Negative (-)	-	-	27.13	-	-	27.67	Negative (-)	Coincident
273	Sputum	Negative (-)	-	-	27.93	-	-	28.81	Negative (-)	Coincident
274	Sputum	Positive (+)	25.45	25.34	26.76	23.4	24.56	29.62	Positive (+)	Coincident
275	Sputum	Negative (-)	-	-	26.94	-	-	27.12	Negative (-)	Coincident
276	Sputum	Negative (-)	-	-	27.81	-	-	28.01	Negative (-)	Coincident