



# Nantong Egens Biotechnology Co., Ltd

Building 15 & building 12(west) No.1692 xinghu avenue,  
Nantong Economy & Technology Dev. Zone,  
Jiangsu Province,226010,P.R.China

## Performance Test Report

### I. Precision/Reproducibility/Cut-Off Value Study Protocol

To establish cut off value of COVID-19 Antigen Rapid Test Kit, negative dilution was spiked with varying (COVID-19 Antigen Minimum detection limit S from Academy of Military Sciences PLA China 370095-202001) concentrations. The spiked samples were measured in 3 replicates using 3 different lots.

Standards S	Lot 1 20200405		Lot 2 20200408		Lot 3 20200409	
	# of negative	# of positive	# of negative	# of positive	# of negative	# of positive
1:5	0	10	0	10	0	10
1:10	0	10	0	10	0	10
1:20	0	10	0	10	0	10
1:50	0	10	0	10	0	10
1:100	0	10	0	10	0	10
1:200	0	10	0	10	0	10
1:400	0	10	0	10	0	10
1:800	4	6	2	8	2	8
1:1600	10	0	10	0	10	0

**Lots of Product Used for Each Format:** Three

**Numbers of Operators:** Three

### Result:

Results will be filled in the following form:

**Lot No.:20200405**

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:5	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

<b>Performance test report COVID-19 Antigen Rapid Test Kit</b>		Prepared by	XueMei Bao
		Checked by	Lingling Su
Doc. No.	EGENS/CE- Appendix 4	Approved by	WeiJun Ou
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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:10	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:20	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:50	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:100	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:200	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:400	+	+	+
002		+	+	+

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:800	+	+	+
002		+	+	+
003		+	+	+
004		-	-	-
005		+	+	+
006		+	-	-
007		+	+	+
008		+	-	-
009		-	+	-
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:1600	-	-	-
002		-	-	-
003		-	-	-
004		-	-	-
005		-	-	-
006		-	-	-
007		-	-	-
008		-	-	-
009		-	-	-

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
010		—	—	—

Lot No.:20200408

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:5	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:10	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:20	+	+	+
002		+	+	+
003		+	+	+

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:50	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:100	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:200	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:400	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:800	+	+	+
002		+	+	+
003		+	+	+
004		-	-	-
005		+	+	+
006		+	+	+
007		+	+	+

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
008		+	+	+
009		-	+	-
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:1600	-	-	-
002		-	-	-
003		-	-	-
004		-	-	-
005		-	-	-
006		-	-	-
007		-	-	-
008		-	-	-
009		-	-	-
010		-	-	-

Lot No.:20200409

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:5	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:10	+	+	+

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:20	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:50	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:100	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:200	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:400	+	+	+
002		+	+	+
003		+	+	+
004		+	+	+

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Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		+	+	+
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:800	+	+	+
002		+	+	+
003		+	+	+
004		—	—	—
005		+	+	+
006		+	+	+
007		+	+	+
008		+	+	+
009		—	—	—
010		+	+	+

Sample Numbers	Concentration	Viewer A	Viewer B	Viewer C
001	1:1600	—	—	—
002		—	—	—
003		—	—	—
004		—	—	—
005		—	—	—
006		—	—	—
007		—	—	—
008		—	—	—
009		—	—	—
010		—	—	—

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## Conclusion:

Based on the results, the cut-off value of is S5(1:800).

So S1 is 1:50, S2 is 1:100, S3 is 1:200, S4 is 1:400, S5 is 1:800, S6 is 1:1600.

## II. Specificity

To evaluate cross-reactivity with the antibodies as follows, each sample was tested by 3 different lots and 3 different operators.

Lot No.:20200405

Samples (S6 1:1600)	Viewer A	Viewer B	Viewer C
Staphylococcus aureus	—	—	—
Streptococcus pneumoniae	—	—	—
Measles virus	—	—	—
Mumps virus	—	—	—
Adenovirus type 3	—	—	—
Mycoplasma pneumoniae MP	—	—	—
Parainfluenza type 2	—	—	—
Metapneumovirus	—	—	—
Coronavirus OC43	—	—	—
Coronavirus 229E	—	—	—
Bordetella parapertussis	—	—	—
Influenza B virus (Victoria series)	—	—	—
Influenza B virus (Y series)	—	—	—
Influenza A H1N1 (2009) virus	—	—	—
Influenza A H3N2 virus	—	—	—
Avian influenza virus H7N9	—	—	—
Avian influenza virus H5N1	—	—	—
EB virus	—	—	—
Enterovirus CA16	—	—	—
Rhinovirus	—	—	—

Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Staphylococcus aureus	+	+	+
Streptococcus pneumoniae	+	+	+
Measles virus	+	+	+

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Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Mumps virus	+	+	+
Adenovirus type 3	+	+	+
Mycoplasma pneumoniae MP	+	+	+
Parainfluenza type 2	+	+	+
Metapneumovirus	+	+	+
Coronavirus OC43	+	+	+
Coronavirus 229E	+	+	+
Bordetella parapertussis	+	+	+
Influenza B virus (Victoria series)	+	+	+
Influenza B virus (Y series)	+	+	+
Influenza A H1N1 (2009) virus	+	+	+
Influenza A H3N2 virus	+	+	+
Avian influenza virus H7N9	+	+	+
Avian influenza virus H5N1	+	+	+
EB virus	+	+	+
Enterovirus CA16	+	+	+
Rhinovirus	+	+	+

Lot No.:20200408

Samples (S6 1:1600)	Viewer A	Viewer B	Viewer C
Staphylococcus aureus	—	—	—
Streptococcus pneumoniae	—	—	—
Measles virus	—	—	—
Mumps virus	—	—	—
Adenovirus type 3	—	—	—
Mycoplasma pneumoniae MP	—	—	—
Parainfluenza type 2	—	—	—
Metapneumovirus	—	—	—
Coronavirus OC43	—	—	—
Coronavirus 229E	—	—	—
Bordetella parapertussis	—	—	—
Influenza B virus (Victoria series)	—	—	—
Influenza B virus (Y series)	—	—	—

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Samples (S6 1:1600)	Viewer A	Viewer B	Viewer C
Influenza A H1N1 (2009) virus	—	—	—
Influenza A H3N2 virus	—	—	—
Avian influenza virus H7N9	—	—	—
Avian influenza virus H5N1	—	—	—
EB virus	—	—	—
Enterovirus CA16	—	—	—
Rhinovirus	—	—	—

Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Staphylococcus aureus	+	+	+
Streptococcus pneumoniae	+	+	+
Measles virus	+	+	+
Mumps virus	+	+	+
Adenovirus type 3	+	+	+
Mycoplasma pneumoniae MP	+	+	+
Parainfluenza type 2	+	+	+
Metapneumovirus	+	+	+
Coronavirus OC43	+	+	+
Coronavirus 229E	+	+	+
Bordetella parapertussis	+	+	+
Influenza B virus (Victoria series)	+	+	+
Influenza B virus (Y series)	+	+	+
Influenza A H1N1 (2009) virus	+	+	+
Influenza A H3N2 virus	+	+	+
Avian influenza virus H7N9	+	+	+
Avian influenza virus H5N1	+	+	+
EB virus	+	+	+
Enterovirus CA16	+	+	+
Rhinovirus	+	+	+

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Lot No.:20200409

Samples (S6 1:1600)	Viewer A	Viewer B	Viewer C
Staphylococcus aureus	—	—	—
Streptococcus pneumoniae	—	—	—
Measles virus	—	—	—
Mumps virus	—	—	—
Adenovirus type 3	—	—	—
Mycoplasma pneumoniae MP	—	—	—
Parainfluenza type 2	—	—	—
Metapneumovirus	—	—	—
Coronavirus OC43	—	—	—
Coronavirus 229E	—	—	—
Bordetella parapertussis	—	—	—
Influenza B virus (Victoria series)	—	—	—
Influenza B virus (Y series)	—	—	—
Influenza A H1N1 (2009) virus	—	—	—
Influenza A H3N2 virus	—	—	—
Avian influenza virus H7N9	—	—	—
Avian influenza virus H5N1	—	—	—
EB virus	—	—	—
Enterovirus CA16	—	—	—
Rhinovirus	—	—	—

Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Staphylococcus aureus	+	+	+
Streptococcus pneumoniae	+	+	+
Measles virus	+	+	+
Mumps virus	+	+	+
Adenovirus type 3	+	+	+
Mycoplasma pneumoniae MP	+	+	+
Parainfluenza type 2	+	+	+
Metapneumovirus	+	+	+
Coronavirus OC43	+	+	+
Coronavirus 229E	+	+	+

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Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Bordetella parapertussis	+	+	+
Influenza B virus (Victoria series)	+	+	+
Influenza B virus (Y series)	+	+	+
Influenza A H1N1 (2009) virus	+	+	+
Influenza A H3N2 virus	+	+	+
Avian influenza virus H7N9	+	+	+
Avian influenza virus H5N1	+	+	+
EB virus	+	+	+
Enterovirus CA16	+	+	+
Rhinovirus	+	+	+

Conclusion:

There's no cross-reactivity observed with antigens.

## 2) Interferants

To evaluate potential interference from certain exogenous compounds, we use the following compounds to test.

Lot 1:20200405

Samples (S6 1:1600)	Viewer A	Viewer B	Viewer C
Human Blood (1% V/V)	—	—	—
Mucosal protein(1mg/ml)	—	—	—
Phenylephrine (1% V/V)	—	—	—
Oxymetazoline (1% V/V)	—	—	—
Triamcinolone (50mg/L)	—	—	—
Ribavirin (50mg/L)	—	—	—

Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Human Blood (1% V/V)	+	+	+
Mucosal protein(1mg/ml)	+	+	+
Phenylephrine (1% V/V)	+	+	+
Oxymetazoline (1% V/V)	+	+	+
Triamcinolone (50mg/L)	+	+	+
Ribavirin (50mg/L)	+	+	+

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Lot 2:20200408

Samples (S6 1:1600)	Viewer A	Viewer B	Viewer C
Human Blood (1% V/V)	—	—	—
Mucosal protein(1mg/ml)	—	—	—
Phenylephrine (1% V/V)	—	—	—
Oxymetazoline (1% V/V)	—	—	—
Triamcinolone (50mg/L)	—	—	—
Ribavirin (50mg/L)	—	—	—

Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Human Blood (1% V/V)	+	+	+
Mucosal protein(1mg/ml)	+	+	+
Phenylephrine (1% V/V)	+	+	+
Oxymetazoline (1% V/V)	+	+	+
Triamcinolone (50mg/L)	+	+	+
Ribavirin (50mg/L)	+	+	+

Lot 3:20200409

Samples (S6 1:1600)	Viewer A	Viewer B	Viewer C
Human Blood (1% V/V)	—	—	—
Mucosal protein(1mg/ml)	—	—	—
Phenylephrine (1% V/V)	—	—	—
Oxymetazoline (1% V/V)	—	—	—
Triamcinolone (50mg/L)	—	—	—
Ribavirin (50mg/L)	—	—	—

Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Human Blood (1% V/V)	+	+	+
Mucosal protein(1mg/ml)	+	+	+
Phenylephrine (1% V/V)	+	+	+
Oxymetazoline (1% V/V)	+	+	+
Triamcinolone (50mg/L)	+	+	+

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Samples (S4 1:400)	Viewer A	Viewer B	Viewer C
Ribavirin (50mg/L)	+	+	+

**Conclusion:** The results show that human blood (1% v/v), human mucosal protein (1mg/ml), nasal spray or nasal drops: Phenylephrine, Oxymetazoline (1% v/v), other interfering substances: Triamcinolone (50mg/L), Ribavirin (50mg/L) has no effect on the test results.

### 3) Repeatability

Samples spiked to different concentrations (R1, R2) to test COVID-19 Antigen Rapid Test Kit.

The results are as following:

Day #	R1					
	Run 1			Run 2		
	20200405	20200408	20200409	20200405	20200408	20200409
1	+	+	+	+	+	+
2	+	+	+	+	+	+
3	+	+	+	+	+	+
4	+	+	+	+	+	+
5	+	+	+	+	+	+

Day #	R2					
	Run 1			Run 2		
	20200405	20200408	20200409	20200405	20200408	20200409
1	+	+	+	+	+	+
2	+	+	+	+	+	+
3	+	+	+	+	+	+
4	+	+	+	+	+	+
5	+	+	+	+	+	+

## III. Method Comparison Protocol

The clinical trial was collected 620 samples. The Test results of Egens COVID-19 Antigen Rapid Test Kit (Colloidal Gold) were compared with nucleic acid test results to determine the accuracy of Egens products. The nucleic acid detection kit used was the Real-time Fluorescent RT-PCR Kit for Detecting SARS-2019-nCoV by BGI Genomics Co., Ltd.

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## Result:

Part 1: Clinical sensitivity: test samples collected from positive clinical patients with coronavirus (COVID-19) infection.

No.	Result	No.	Result	No.	Result	No.	Result
1	+	31	+	61	+	91	-
2	-	32	+	62	+	92	+
3	+	33	+	63	-	93	+
4	+	34	-	64	+	94	+
5	-	35	+	65	+	95	+
6	-	36	+	66	+	96	+
7	+	37	+	67	+	97	+
8	+	38	+	68	+	98	-
9	+	39	+	69	+	99	+
10	+	40	+	70	+	100	+
11	+	41	+	71	-	101	+
12	+	42	-	72	-	102	+
13	+	43	+	73	+	103	+
14	+	44	+	74	+	104	-
15	+	45	+	75	+	105	+
16	+	46	+	76	+	106	+
17	+	47	+	77	+	107	+
18	+	48	+	78	+	108	+
19	+	49	+	79	+	109	+
20	+	50	+	80	+	110	+
21	+	51	+	81	-	111	+
22	+	52	+	82	+	112	+
23	+	53	+	83	+	113	+
24	+	54	+	84	+	114	+
25	+	55	+	85	+	115	+
26	+	56	+	86	+	116	+
27	+	57	+	87	+	117	+
28	+	58	+	88	+	118	+
29	+	59	+	89	+	119	+
30	+	60	+	90	+	120	+

Part 2: Clinical specificity: test samples collected from normal human.

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No.	Result	No.	Result	No.	Result	No.	Result	No.	Result
1	—	101	—	201	—	301	—	401	—
2	—	102	—	202	—	302	—	402	—
3	—	103	—	203	—	303	—	403	—
4	—	104	—	204	—	304	—	404	—
5	—	105	—	205	—	305	—	405	—
6	—	106	—	206	—	306	—	406	—
7	—	107	—	207	—	307	—	407	—
8	—	108	—	208	—	308	—	408	—
9	—	109	—	209	—	309	—	409	—
10	—	110	—	210	—	310	—	410	—
11	—	111	—	211	—	311	—	411	—
12	—	112	—	212	—	312	—	412	—
13	—	113	—	213	—	313	—	413	—
14	—	114	—	214	—	314	—	414	—
15	—	115	—	215	—	315	—	415	—
16	—	116	—	216	—	316	—	416	—
17	—	117	—	217	—	317	—	417	—
18	—	118	—	218	—	318	—	418	—
19	—	119	—	219	—	319	—	419	—
20	—	120	—	220	—	320	—	420	—
21	—	121	—	221	—	321	—	421	—
22	—	122	—	222	—	322	—	422	—
23	—	123	—	223	—	323	—	423	—
24	—	124	—	224	—	324	—	424	—
25	—	125	—	225	—	325	—	425	—
26	—	126	—	226	—	326	—	426	—
27	—	127	—	227	—	327	—	427	—
28	—	128	—	228	+	328	—	428	—
29	—	129	—	229	—	329	—	429	—
30	—	130	—	230	—	330	—	430	—
31	—	131	—	231	—	331	—	431	—
32	—	132	—	232	—	332	—	432	—
33	—	133	—	233	—	333	—	433	—
34	—	134	—	234	—	334	—	434	—
35	—	135	—	235	—	335	—	435	—

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No.	Result	No.	Result	No.	Result	No.	Result	No.	Result
36	—	136	—	236	—	336	—	436	—
37	—	137	—	237	—	337	—	437	—
38	—	138	—	238	—	338	—	438	—
39	—	139	—	239	—	339	—	439	—
40	—	140	—	240	—	340	—	440	—
41	—	141	—	241	—	341	—	441	—
42	—	142	—	242	—	342	—	442	—
43	—	143	—	243	—	343	—	443	—
44	—	144	—	244	—	344	—	444	—
45	—	145	—	245	—	345	—	445	—
46	—	146	—	246	—	346	—	446	—
47	—	147	—	247	—	347	—	447	—
48	—	148	—	248	—	348	—	448	—
49	—	149	—	249	—	349	—	449	—
50	—	150	—	250	—	350	—	450	—
51	—	151	—	251	—	351	—	451	—
52	—	152	—	252	—	352	—	452	—
53	—	153	—	253	—	353	—	453	—
54	—	154	—	254	—	354	—	454	—
55	—	155	—	255	—	355	—	455	—
56	—	156	—	256	—	356	—	456	—
57	—	157	—	257	—	357	—	457	—
58	—	158	—	258	—	358	—	458	—
59	—	159	—	259	—	359	—	459	—
60	—	160	—	260	—	360	—	460	—
61	—	161	—	261	—	361	—	461	—
62	—	162	—	262	—	362	—	462	—
63	—	163	—	263	—	363	—	463	—
64	—	164	—	264	—	364	—	464	—
65	—	165	—	265	—	365	—	465	—
66	—	166	—	266	—	366	—	466	—
67	—	167	—	267	—	367	—	467	—
68	—	168	—	268	—	368	—	468	—
69	—	169	—	269	—	369	—	469	—
70	—	170	—	270	—	370	—	470	—

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No.	Result	No.	Result	No.	Result	No.	Result	No.	Result
71	—	171	—	271	—	371	—	471	—
72	—	172	—	272	—	372	—	472	—
73	—	173	—	273	—	373	—	473	—
74	—	174	—	274	—	374	—	474	—
75	—	175	—	275	—	375	—	475	—
76	—	176	—	276	—	376	—	476	—
77	—	177	—	277	—	377	—	477	—
78	—	178	—	278	—	378	—	478	—
79	—	179	—	279	—	379	—	479	—
80	—	180	—	280	—	380	—	480	—
81	—	181	—	281	—	381	—	481	—
82	—	182	—	282	—	382	—	482	—
83	—	183	—	283	—	383	—	483	—
84	—	184	—	284	—	384	—	484	—
85	—	185	—	285	—	385	—	485	—
86	—	186	—	286	—	386	—	486	—
87	—	187	—	287	—	387	—	487	—
88	—	188	—	288	—	388	—	488	—
89	—	189	—	289	—	389	—	489	—
90	—	190	—	290	—	390	—	490	—
91	—	191	—	291	—	391	—	491	—
92	—	192	—	292	—	392	—	492	—
93	—	193	—	293	—	393	—	493	—
94	—	194	—	294	—	394	—	494	—
95	—	195	—	295	—	395	—	495	—
96	—	196	—	296	—	396	—	496	—
97	—	197	—	297	—	397	—	497	—
98	—	198	—	298	—	398	—	498	—
99	—	199	—	299	—	399	—	499	—
100	—	200	—	300	—	400	—	500	—

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		PCR test result	
		positive	negative
Result	positive	108 (a)	1 (b)
	negative	12 (c)	499(d)

Coincidence rate analysis:

Positive coincidence rate= $a/(a+c)*100\%=90.0\%$

Negative coincidence rate= $d/(b+d)*100\%=99.8\%$

Accuracy= $(a+d)/(a+b+c+d)*100\%=97.9\%$

Sensitivity= $a/(a+c)*100\%=90.0\%$

Specificity= $d/(d+b)*100\%=99.8\%$

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