

SARS-CoV-2 Antigen Detection Kit (Latex Lateral Flow Assay)

Report of Clinical Evaluation Trial

Product Name: SARS-CoV-2 Antigen Detection Kit (Latex Lateral Flow Assay)

Packing Specifications: 25 per/box

Date to begin the trial : 2020/10/8

Date of finish the study : 2020/10/16

The medical facility that undertakes clinical trial: Shenzhen Third People's Hospital

The person in charge of Statistics: Qiao,Zhang

The company in charge of Statistics : Shenzhen Aivd Biotechnology Co., LTD.

Applicant (signature) : Shenzhen Aivd Biotechnology Co., LTD.

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Contact: Chunxia Chen

Phone : 0755-25626946

Report Date: 2020/12/19

I. Experimental design

1. Selection basis of comparison reagent and instrument

The approved reagent and device, Novel Coronavirus 2019-NCOV Nucleic Acid Detection kit (fluorescence PCR method) from Shanghai Zhijiang Biotechnology Co., LTD and ABI 7500 real-time fluorescence quantitative PCR instrument ,were selected as the comparison system in this study.

Basic Registration Information as below:

Reagent Registration Certificate No:National Instrument Registration 20203400057

Storage conditions: $-20\pm 5^{\circ}\text{C}$, protected from light

2. Blind method

The selected samples were numbered in random order by the test unit. During the test, one inspector was used to test with evaluation reagent, and the test results were kept secret by the inspector, and then another inspector was used to test with contrast reagent. The test results were kept secret by the inspector. Unbind the results after the experiment.

3. Statistical analysis method

3.1 For qualitative testing IVD reagent products , a cross 2×2 four-square table is often used to summarize the qualitative test results of the two reagents or methods (Table 1), and the χ^2 or Kappa test is used to verify the consistency of the qualitative results for the two reagents.

| Evaluation reagent | Golden standard /Contrast reagent | | Total |
|--------------------|-----------------------------------|----------|------------|
| | Positive | Negative | |
| Positive | A | B | A+B |
| Negative | C | D | C+D |
| Total | A+C | B+D | N(A+B+C+D) |

(1) Sensitivity (Positive coincidence rate)= $A/(A+C)$

(2) Specificity (Negative coincidence rate)= $D/(B+D)$

(3) The total coincidence rate= $(A+D)/(A+B+C+D)$

(4) Credibility Interval of 95% Sensitivity (Positive coincidence rate): $[100\% (Q_1-Q_2) /Q_3 ,100\% (Q_1+Q_2) /Q_3]$,and $Q_1=2A+1.96^2$;

$$Q_2=1.96 \times \sqrt{1.96^2 + 4AC/(A+C)};$$

$$Q_3=2(A+C+1.96^2)$$

(5) Credibility Interval of 95% Specificity (Negative coincidence rate): $[100\% (Q_1-Q_2) /Q_3 ,100\% (Q_1+Q_2) /Q_3]$,and $Q_1=2D+1.96^2$;

$$Q_2 = 1.96 \times \sqrt{1.96^2 + 4BD/(B+D)};$$

$$Q_3 = 2(B+D+1.96^2)$$

(6) Credibility Interval of 95% The total coincidence rate: $[100\% (Q_1 - Q_2) / Q_3, 100\% (Q_1 + Q_2) / Q_3]$, and $Q_1 = 2(A+D) + 1.96^2$;

$$Q_2 = 1.96 \times \sqrt{1.96^2 + 4(A+D)(B+C)/N};$$

$$Q_3 = 2(N+1.96^2)$$

Comparing with the same approved varieties qualitative product of IVD reagent, as not sure which is closer to the real state, simply compare sensitivity (positive coincidence rate) and specificity (negative coincidence rate) do not have remarkable significance. We can calculate the total coincidence rate to assess the consistency of evaluation reagent and contrast reagents, and calculate the credibility interval. Statistical analysis indicators and calculation methods are the same as (1), (2), (3) and (6) in 3.1.

3.2 Kappa analysis can be performed on the count data to judge the consistency between the test results. Kappa value ≥ 0.75 indicates good consistency and good equivalence between the two detection systems. If < 0.40 , indicates the consistency is poor and the detection system does not have equivalence. Kappa values and corresponding hypothesis testing methods are as follows:

$$(7) \text{Kappa} = (Pa - Pe) / (1 - Pe)$$

And, $Pa = (A+D)/N$, $Pe = [(A+B)(A+C) + (B+D)(C+D)]/N^2$

(8) Hypothesis testing of Kappa value (U testing)

$$U = K / Se(k), \quad Se(k) = \sqrt{\frac{Pa(1 - Pa)}{N(1 - Pe)^2}}$$

And U is the standard normal quantile, Se(k) is standard error of K.

H₀: population Kappa coefficient ≤ 0 , H₁: population Kappa coefficient > 0

When $U > 1.96$, $P < 0.05$, reject H₀, consider population Kappa coefficient > 0 , which means the detection results are consistent.

II. Carry out Experimental

1. Samples selection

A total of 380 clinical samples were collected according to the experiment, with a male to female ratio of 1:1.19, including negative, weakly positive and positive specimens.

2. Experimentation procedure

The enrolled clinical samples were blinded. Two relevant technicians were used to conduct a single determination with evaluation reagent and contrast reagents respectively, and the results were kept confidential. The blind was uncovered after the detection was completed. The trial period was set at 18 days, which means, 20-30 cases were tested every day.

3. Experimental management

1) Major researcher:

Qiao Zhang (Operator of evaluation reagent)

Junqi Guan (Operator of contrast reagent)

2) Quality control situation (person): Chunxia Chen

3) Data management:

After the experiment, all the results were summarized and analyzed, and the original test results were stored by Shenzhen AIVD Biotechnology Co., Ltd. according to the relevant regulations.

4) Problems and solutions:

No major problems (including adverse events and side effects) occurred during the evaluation of the reagent

III. Results and analysis of clinical trial

In this clinical trial, 380 clinical case samples which include 120 confirmed as COVID-19 positive and 260 confirmed as COVID-19 negative by PCR assay, were obtained for testing, and then compared the test results between Novel Coronavirus 2019-NCOV Nucleic Acid Detection kit (fluorescence PCR method) and the PCR results. All samples were collected from people with Covid-19 symptoms within seven days of symptoms appearing. Performance characteristics of the test were assessed with anterior nasal, oropharyngeal, saliva samples, and confirmed by an RT-PCR from PCR nasopharyngeal samples. and the results are as follows:

3.1 Results of anterior nasal swab samples

| Evaluation reagent | Contrast reagent | | Total |
|--------------------|------------------|----------|-------|
| | Positive | Negative | |
| Positive | 115 | 2 | 117 |
| Negative | 5 | 258 | 263 |

| | | | |
|-------|-----|-----|-----|
| Total | 120 | 260 | 380 |
|-------|-----|-----|-----|

Positive coincidence rate is 95,833%, Credibility Interval of 95% Positive coincidence rate is **【90,06%, 98,46%】** .

Negative coincidence rate is 99,23%, Credibility Interval of 95% Negative coincidence rate is **【96,95%, 99,87%】** .

The total coincidence rate is 98,16%, Credibility Interval of 95% total coincidence rate is **【93,31%, 99%】** .

| | | | |
|--------|----------|----------|-----|
| | Positive | Negative | |
| Actual | 120 | 260 | 380 |
| | 117 | 263 | 380 |
| | 237 | 523 | 760 |

| | | |
|--------|-----------------|--------------------|
| Theory | 118.5 | 261.5 |
| | 118.5 | 261.5 |
| | P-values | 0.814277946 |

It can be seen from the above data that the positive coincidence rate, negative coincidence rate and total coincidence rate of the evaluation reagent are 95,833%, 99.23% and 98,16%, and the consistency analysis kappa value of the evaluation reagent and contrast reagent is 0.814, indicating that the qualitative results of the two reagents are in good consistency.

3.2 Results of oropharyngeal swab samples

| Evaluation reagent | Contrast reagent | | Total |
|--------------------|------------------|----------|-------|
| | Positive | Negative | |
| Positive | 114 | 2 | 116 |
| Negative | 6 | 258 | 264 |
| Total | 120 | 260 | 380 |

Positive coincidence rate is 95%, Credibility Interval of 95% Positive coincidence rate is **【88,98%, 97,9%】** .

Negative coincidence rate is 99,23%, Credibility Interval of 95% Negative coincidence rate is **【96,95%, 99,87%】** .

The total coincidence rate is 97,895%, Credibility Interval of 95% total coincidence rate is **【94,88%, 99%】** .

| | Positive | Negative | |
|--------|----------|----------|-----|
| Actual | 120 | 260 | 380 |
| | 116 | 264 | 380 |
| | 236 | 524 | 760 |

| | | |
|--------|-----------------|--------------------|
| Theory | 118 | 262 |
| | 118 | 262 |
| | P-values | 0.753841814 |

It can be seen from the above data that the positive coincidence rate, negative coincidence rate and total coincidence rate of the evaluation reagent are 95%, 99,23% and 97,895%, and the consistency analysis kappa value of the evaluation reagent and contrast reagent is 0.754, indicating that the qualitative results of the two reagents are in good consistency.

3.3 Results of saliva samples

| Evaluation reagent | Contrast reagent | | Total |
|--------------------|------------------|----------|-------|
| | Positive | Negative | |
| Positive | 113 | 1 | 114 |
| Negative | 7 | 259 | 266 |
| Total | 120 | 260 | 380 |

Positive coincidence rate is 94,17%, Credibility Interval of 95% Positive coincidence rate is **【87,72%, 97,42%】** .

Negative coincidence rate is 99,62%, Credibility Interval of 95% Negative coincidence rate is **【97,54%, 99,98%】** .

The total coincidence rate is 98,16%, Credibility Interval of 95% total coincidence rate is **【94,46%, 98,98%】** .

| Positive | Negative |
|----------|----------|
|----------|----------|

| | | | |
|--------|-----|-----|-----|
| Actual | 120 | 260 | 380 |
| | 114 | 266 | 380 |
| | 234 | 526 | 760 |

| | | |
|--------|----------|-------------|
| Theory | 117 | 263 |
| | 117 | 263 |
| | P-values | 0.637302672 |

It can be seen from the above data that the positive coincidence rate, negative coincidence rate and total coincidence rate of the evaluation reagent are 94,17%, 99,62% and 97,89%, and the consistency analysis kappa value of the evaluation reagent and contrast reagent is 0.637, indicating that the qualitative results of the two reagents are in good consistency.

IV. Evaluation conclusions of clinical trial :

The SARS-COV-2 Antigen Detection Kit (Latex Lateral Flow Assay) manufactured by Shenzhen AIVD Biotechnology Co., Ltd. was highly correlated with the test results of the Novel Coronavirus 2019-NCOV Nucleic Acid Detection kit (fluorescence PCR method) from Shanghai Zhijiang Biotechnology Co., LTD, which met the clinical requirements. And the test results have good consistency.

V. Crossover experiment

Conclusion: This kit is used with parainfluenza virus samples, influenza A virus, Influenza B virus, Chlamydia pneumonia, Mycoplasma pneumoniae, respiratory syncytial virus, human immunodeficiency virus, Barr virus, measles virus, cytomegalovirus, enterovirus 71, mumps virus, human coronavirus 229E , human coronavirus-OC43, human coronavirus-NL63, and human coronavirus-HKU1 antibody positive samples do not cross.

| Name | concentration | 20200301 | 20200302 | 20200303 |
|---------------------|--|----------|----------|----------|
| Parainfluenza virus | 1.0×10^5 TCID ₅₀ /mL | - | - | - |
| Influenza A | 2.5×10^5 TCID ₅₀ /mL | - | - | - |
| nfluenza B | 2.9×10^5 TCID ₅₀ /mL | - | - | - |
| HIV | 2.5×10^5 TCID ₅₀ /mL | | | |
| Epstein-barr virus | 2.5×10^5 TCID ₅₀ /mL | | | |
| Measles virus | 2.5×10^5 TCID ₅₀ /mL | | | |
| Cytomegalovirus | 2.5×10^5 TCID ₅₀ /mL | | | |
| Enterovirus 71 | 4.0×10^5 TCID ₅₀ /mL | | | |

| | | | | |
|-----------------------------|--|---|---|---|
| Mumps virus | 2.5 x 10 ⁵ TCID ₅₀ /mL | | | |
| Chlamydia pneumoniae | 1.0 x 10 ⁶ IFU/mL | - | - | - |
| Mycoplasma pneumoniae | 1.0 x 10 ⁶ CFU/mL | - | - | - |
| Respiratory syncytial virus | 4.0 x 10 ⁵ TCID ₅₀ /mL | - | - | - |
| Human coronavirus NL63 | 1.0 x 10 ⁵ TCID ₅₀ /mL | - | - | - |
| Human coronavirus HKU1 | 1.0 x 10 ⁵ TCID ₅₀ /mL | - | - | - |
| Human coronavirus 229E | 1.0 x 10 ⁵ TCID ₅₀ /mL | - | - | - |
| Human coronavirus OC43 | 1.0 x 10 ⁵ TCID ₅₀ /mL | - | - | - |

VI. Interference experiment

| Result Interfering substance | 15min | | |
|---------------------------------|----------|----------|----------|
| | 20200301 | 20200302 | 20200303 |
| Levofloxacin | - | - | - |
| azithromycin | - | - | - |
| ceftriaxone | - | - | - |
| Beauty e. faecalis | - | - | - |
| Histamine hydrochloride | - | - | - |
| interferon | - | - | - |
| That horse | - | - | - |
| So wei | - | - | - |
| More than o | - | - | - |
| zanamivir | - | - | - |
| ribavirin | - | - | - |
| oseltamivir | - | - | - |
| Palmer peramivir | - | - | - |
| tobramycin | | | |

Conclusion: Levofloxacin, azithromycin, ceftriaxone, meropenem, histamine hydrochloride, interferon, zanamivir, ribavirin, oseltamivir, peramivir, lopinavir, ritonavir, abiddo and tobramycin have no effect on the experimental results.

Attachment 1: Basic information of clinical evaluation

1. Test environmental conditions

| | | | |
|------------------------------|----------------------------------|--------------------------|-------------------------------|
| Facility of clinical trail | Shenzhen Third People's Hospital | Address of the trail | Infectious disease department |
| Environment temperature (°C) | 18~26°C | environment humidity (%) | 42~60% |

2. Information of reagents and supporting instrument

| | | Assessment measuring system | Reference measuring system |
|----------------------------|---------------------|--|--|
| Information of the reagent | Product Name | SARS-COV-2 Antigen Detection Kit (Latex Lateral Flow Assay) | Novel Coronavirus 2019-NCOV Nucleic Acid Detection kit (fluorescence PCR method) |
| | Specification | 25per/box | 25per/box |
| | Lot | 20200303 | P20200101 |
| | Valid until | 20210728 | 20200713 |
| | Registration number | | National Instrument Registration 20203400057 |
| | Manufactures | Shenzhen AIVD Biotechnology Co., Ltd. | Shanghai Zhijiang Biotechnology Co., LTD. |
| | Expected use | Qualitative analysis of Novel Coronavirus COV-2 in human pharyngeal and anterior nasal secretions and saliva samples in vitro. | Qualitative analysis of Novel Coronavirus (2019-NCOV) ORF Lab and N and E genes in throat swab, sputum and alveolar lavage fluid of novel Coronavirus infection patients in vitro. |
| Remark | | | |

3.Clinical Data

Result of clinical trial anterior nasal swab samples

| Sample No | RT-PCR | Antigen Rapid Test Kits | Sex | Age |
|-----------|--------|-------------------------|--------|-----|
| 1 | + | + | Male | 46 |
| 2 | + | + | Female | 38 |
| 3 | + | + | Male | 52 |
| 4 | + | + | Male | 45 |
| 5 | + | + | Female | 29 |
| 6 | + | + | Male | 26 |
| 7 | + | + | Female | 59 |
| 8 | + | + | Female | 28 |
| 9 | + | + | Male | 52 |
| 10 | + | + | Female | 38 |
| 11 | + | + | Male | 43 |
| 12 | + | + | Female | 61 |
| 13 | + | + | Male | 52 |
| 14 | + | + | Female | 20 |
| 15 | + | + | Female | 25 |
| 16 | + | + | Female | 20 |
| 17 | + | + | Male | 33 |
| 18 | + | + | Female | 52 |
| 19 | + | + | Male | 44 |
| 20 | + | + | Female | 38 |
| 21 | + | + | Male | 36 |
| 22 | + | + | Female | 46 |
| 23 | + | + | Female | 28 |
| 24 | + | + | Male | 51 |
| 25 | + | - | Male | 59 |

| | | | | |
|----|---|---|--------|----|
| 26 | + | + | Male | 37 |
| 27 | + | + | Female | 56 |
| 28 | + | + | Male | 25 |
| 29 | + | + | Female | 52 |
| 30 | + | + | Female | 44 |
| 31 | + | + | Male | 52 |
| 32 | + | + | Male | 58 |
| 33 | + | + | Female | 47 |
| 34 | + | + | Female | 49 |
| 35 | + | + | Female | 43 |
| 36 | + | - | Male | 18 |
| 37 | + | + | Male | 57 |
| 38 | + | + | Female | 29 |
| 39 | + | + | Male | 27 |
| 40 | + | + | Male | 35 |
| 41 | + | - | Female | 32 |
| 42 | + | + | Male | 52 |
| 43 | + | + | Female | 44 |
| 44 | + | + | Male | 38 |
| 45 | + | + | Female | 27 |
| 46 | + | + | Male | 46 |
| 47 | + | + | Male | 28 |
| 48 | + | + | Female | 51 |
| 49 | + | + | Female | 59 |
| 50 | + | + | Male | 27 |
| 51 | + | + | Male | 54 |
| 52 | + | + | Female | 29 |
| 53 | + | + | Male | 36 |

| | | | | |
|----|---|---|--------|----|
| 54 | + | + | Male | 47 |
| 55 | + | + | Female | 59 |
| 56 | + | + | Male | 56 |
| 57 | + | + | Female | 43 |
| 58 | + | + | Male | 38 |
| 59 | + | + | Female | 48 |
| 60 | + | + | Female | 24 |
| 61 | + | + | Male | 61 |
| 62 | + | + | Male | 51 |
| 63 | + | + | Male | 26 |
| 64 | + | + | Female | 34 |
| 65 | + | + | Female | 65 |
| 66 | + | + | Male | 56 |
| 67 | + | + | Male | 57 |
| 68 | + | + | Female | 28 |
| 69 | + | + | Male | 36 |
| 70 | + | - | Female | 26 |
| 71 | + | + | Male | 36 |
| 72 | + | + | Female | 51 |
| 73 | + | + | Female | 20 |
| 74 | + | + | Male | 34 |
| 75 | + | + | Female | 60 |
| 76 | + | + | Male | 55 |
| 77 | + | + | Female | 37 |
| 78 | + | + | Male | 57 |
| 79 | + | + | Male | 52 |
| 80 | + | + | Male | 43 |
| 81 | + | + | Female | 40 |

| | | | | |
|-----|---|---|--------|----|
| 82 | + | + | Male | 42 |
| 83 | + | + | Female | 45 |
| 84 | + | + | Male | 42 |
| 85 | + | + | Female | 36 |
| 86 | + | + | Male | 22 |
| 87 | + | + | Male | 46 |
| 88 | + | + | Female | 19 |
| 89 | + | + | Male | 39 |
| 90 | + | - | Female | 25 |
| 91 | + | + | Male | 29 |
| 92 | + | + | Female | 67 |
| 93 | + | + | Female | 68 |
| 94 | + | + | Female | 35 |
| 95 | + | + | Male | 29 |
| 96 | + | + | Male | 32 |
| 97 | + | + | Male | 24 |
| 98 | + | + | Female | 20 |
| 99 | + | + | Female | 58 |
| 100 | + | + | Female | 36 |
| 101 | + | + | Male | 52 |
| 102 | + | + | Male | 44 |
| 103 | + | + | Male | 38 |
| 104 | + | + | Male | 33 |
| 105 | + | + | Female | 46 |
| 106 | + | + | Male | 58 |
| 107 | + | + | Female | 27 |
| 108 | + | + | Male | 59 |
| 109 | + | + | Female | 37 |

| | | | | |
|-----|---|---|--------|----|
| 110 | + | + | Male | 46 |
| 111 | + | + | Female | 25 |
| 112 | + | + | Female | 52 |
| 113 | + | + | Male | 44 |
| 114 | + | + | Female | 52 |
| 115 | + | + | Male | 58 |
| 116 | + | + | Female | 53 |
| 117 | + | + | Male | 49 |
| 118 | + | + | Female | 29 |
| 119 | + | + | Male | 42 |
| 120 | + | + | Female | 30 |
| 121 | - | - | Male | 45 |
| 122 | - | - | Female | 46 |
| 123 | - | + | Female | 36 |
| 124 | - | - | Female | 39 |
| 125 | - | - | Male | 38 |
| 126 | - | - | Male | 37 |
| 127 | - | - | Female | 52 |
| 128 | - | - | Male | 30 |
| 129 | - | - | Female | 49 |
| 130 | - | - | Male | 36 |
| 131 | - | - | Female | 54 |
| 132 | - | - | Female | 29 |
| 133 | - | - | Male | 21 |
| 134 | - | - | Female | 61 |
| 135 | - | - | Female | 36 |
| 136 | - | - | Male | 39 |
| 137 | - | - | Female | 38 |

| | | | | |
|-----|---|---|--------|----|
| 138 | - | - | Female | 37 |
| 139 | - | - | Female | 52 |
| 140 | - | - | Male | 52 |
| 141 | - | - | Male | 46 |
| 142 | - | - | Female | 56 |
| 143 | - | - | Female | 50 |
| 144 | - | - | Female | 72 |
| 145 | - | - | Male | 48 |
| 146 | - | - | Male | 39 |
| 147 | - | - | Female | 38 |
| 148 | - | - | Female | 36 |
| 149 | - | - | Male | 45 |
| 150 | - | - | Female | 21 |
| 151 | - | - | Male | 24 |
| 152 | - | - | Female | 71 |
| 153 | - | - | Female | 67 |
| 154 | - | - | Male | 24 |
| 155 | - | - | Female | 20 |
| 156 | - | - | Female | 30 |
| 157 | - | - | Male | 36 |
| 158 | - | - | Female | 52 |
| 159 | - | - | Male | 44 |
| 160 | - | - | Female | 26 |
| 161 | - | - | Male | 39 |
| 162 | - | - | Female | 46 |
| 163 | - | - | Male | 17 |
| 164 | - | - | Female | 27 |
| 165 | - | - | Female | 59 |

| | | | | |
|-----|---|---|--------|----|
| 166 | - | - | Female | 37 |
| 167 | - | - | Male | 35 |
| 168 | - | - | Male | 40 |
| 169 | - | - | Male | 36 |
| 170 | - | - | Female | 35 |
| 171 | - | - | Female | 21 |
| 172 | - | - | Male | 22 |
| 173 | - | - | Female | 69 |
| 174 | - | - | Female | 49 |
| 175 | - | - | Male | 36 |
| 176 | - | - | Male | 39 |
| 177 | - | - | Female | 38 |
| 178 | - | - | Male | 46 |
| 179 | - | - | Female | 52 |
| 180 | - | - | Male | 52 |
| 181 | - | - | Female | 46 |
| 182 | - | - | Male | 56 |
| 183 | - | - | Male | 36 |
| 184 | - | - | Male | 30 |
| 185 | - | - | Female | 30 |
| 186 | - | - | Female | 50 |
| 187 | - | - | Male | 20 |
| 188 | - | - | Male | 46 |
| 189 | - | - | Female | 45 |
| 190 | - | - | Male | 46 |
| 191 | - | - | Female | 36 |
| 192 | - | - | Male | 39 |
| 193 | - | - | Female | 38 |

| | | | | |
|-----|---|---|--------|----|
| 194 | - | - | Male | 37 |
| 195 | - | - | Female | 52 |
| 196 | - | - | Female | 52 |
| 197 | - | - | Female | 46 |
| 198 | - | - | Male | 56 |
| 199 | - | - | Male | 36 |
| 200 | - | - | Male | 30 |
| 201 | - | - | Male | 46 |
| 202 | - | - | Female | 45 |
| 203 | - | - | Male | 46 |
| 204 | - | - | Female | 36 |
| 205 | - | - | Male | 39 |
| 206 | - | - | Male | 38 |
| 207 | - | - | Male | 37 |
| 208 | - | - | Female | 52 |
| 209 | - | - | Male | 52 |
| 210 | - | - | Female | 46 |
| 211 | - | - | Male | 56 |
| 212 | - | - | Female | 24 |
| 213 | - | - | Female | 29 |
| 214 | - | - | Male | 37 |
| 215 | - | - | Female | 25 |
| 216 | - | - | Male | 29 |
| 217 | - | - | Female | 36 |
| 218 | - | - | Male | 27 |
| 219 | - | - | Female | 54 |
| 220 | - | - | Male | 28 |
| 221 | - | - | Female | 21 |

| | | | | |
|-----|---|---|--------|----|
| 222 | - | - | Female | 29 |
| 223 | - | - | Male | 36 |
| 224 | - | - | Female | 38 |
| 225 | - | - | Female | 59 |
| 226 | - | - | Male | 56 |
| 227 | - | - | Female | 57 |
| 228 | - | - | Male | 28 |
| 229 | - | - | Female | 41 |
| 230 | - | - | Female | 29 |
| 231 | - | - | Male | 35 |
| 232 | - | - | Female | 32 |
| 233 | - | - | Male | 36 |
| 234 | - | - | Female | 58 |
| 235 | - | - | Male | 24 |
| 236 | - | - | Male | 29 |
| 237 | - | - | Male | 37 |
| 238 | - | - | Female | 25 |
| 239 | - | - | Male | 29 |
| 240 | - | - | Female | 36 |
| 241 | - | - | Male | 27 |
| 242 | - | - | Female | 54 |
| 243 | - | - | Female | 29 |
| 244 | - | - | Male | 36 |
| 245 | - | - | Male | 38 |
| 246 | - | - | Female | 59 |
| 247 | - | - | Male | 56 |
| 248 | - | - | Female | 57 |
| 249 | - | - | Male | 38 |

| | | | | |
|-----|---|---|--------|----|
| 250 | - | - | Female | 48 |
| 251 | - | - | Female | 24 |
| 252 | - | - | Male | 61 |
| 253 | - | - | Male | 51 |
| 254 | - | - | Male | 39 |
| 255 | - | - | Female | 34 |
| 256 | - | - | Male | 60 |
| 257 | - | - | Female | 56 |
| 258 | - | - | Male | 57 |
| 259 | - | - | Female | 28 |
| 260 | - | - | Female | 48 |
| 261 | - | - | Male | 26 |
| 262 | - | - | Female | 36 |
| 263 | - | - | Male | 51 |
| 264 | - | - | Female | 20 |
| 265 | - | - | Male | 34 |
| 266 | - | - | Female | 60 |
| 267 | - | - | Male | 57 |
| 268 | - | - | Male | 37 |
| 269 | - | - | Male | 57 |
| 270 | - | - | Female | 26 |
| 271 | - | - | Male | 46 |
| 272 | - | - | Female | 42 |
| 273 | - | - | Male | 42 |
| 274 | - | - | Female | 41 |
| 275 | - | - | Male | 32 |
| 276 | - | - | Female | 36 |
| 277 | - | - | Male | 45 |

| | | | | |
|-----|---|---|--------|----|
| 278 | - | - | Male | 46 |
| 279 | - | - | Female | 36 |
| 280 | - | - | Male | 39 |
| 281 | - | - | Male | 25 |
| 282 | - | - | Female | 29 |
| 283 | - | - | Male | 66 |
| 284 | - | + | Female | 52 |
| 285 | - | - | Male | 35 |
| 286 | - | - | Female | 55 |
| 287 | - | - | Male | 67 |
| 288 | - | - | Male | 24 |
| 289 | - | - | Female | 20 |
| 290 | - | - | Male | 32 |
| 291 | - | - | Male | 36 |
| 292 | - | - | Female | 52 |
| 293 | - | - | Male | 44 |
| 294 | - | - | Female | 38 |
| 295 | - | - | Male | 39 |
| 296 | - | - | Female | 46 |
| 297 | - | - | Female | 28 |
| 298 | - | - | Male | 27 |
| 299 | - | - | Female | 59 |
| 300 | - | - | Female | 37 |
| 301 | - | - | Male | 56 |
| 302 | - | - | Female | 25 |
| 303 | - | - | Female | 52 |
| 304 | - | - | Male | 44 |
| 305 | - | - | Female | 52 |

| | | | | |
|-----|---|---|--------|----|
| 306 | - | - | Male | 58 |
| 307 | - | - | Male | 27 |
| 308 | - | - | Female | 59 |
| 309 | - | - | Female | 37 |
| 310 | - | - | Male | 56 |
| 311 | - | - | Female | 25 |
| 312 | - | - | Female | 52 |
| 313 | - | - | Male | 45 |
| 314 | - | - | Female | 52 |
| 315 | - | - | Female | 58 |
| 316 | - | - | Male | 27 |
| 317 | - | - | Female | 59 |
| 318 | - | - | Male | 37 |
| 319 | - | - | Male | 55 |
| 320 | - | - | Female | 37 |
| 321 | - | - | Female | 52 |
| 322 | - | - | Male | 44 |
| 323 | - | - | Female | 52 |
| 324 | - | - | Male | 58 |
| 325 | - | - | Male | 27 |
| 326 | - | - | Female | 59 |
| 327 | - | - | Female | 37 |
| 328 | - | - | Male | 56 |
| 329 | - | - | Female | 25 |
| 330 | - | - | Female | 52 |
| 331 | - | - | Male | 62 |
| 332 | - | - | Female | 51 |
| 333 | - | - | Male | 19 |

| | | | | |
|-----|---|---|--------|----|
| 334 | - | - | Male | 27 |
| 335 | - | - | Female | 20 |
| 336 | - | - | Female | 37 |
| 337 | - | - | Male | 56 |
| 338 | - | - | Female | 23 |
| 339 | - | - | Female | 52 |
| 340 | - | - | Male | 44 |
| 341 | - | - | Female | 24 |
| 342 | - | - | Male | 58 |
| 343 | - | - | Male | 27 |
| 344 | - | - | Female | 59 |
| 345 | - | - | Female | 55 |
| 346 | - | - | Female | 56 |
| 347 | - | - | Male | 25 |
| 348 | - | - | Female | 52 |
| 349 | - | - | Male | 48 |
| 350 | - | - | Male | 52 |
| 351 | - | - | Female | 58 |
| 352 | - | - | Male | 27 |
| 353 | - | - | Female | 59 |
| 354 | - | - | Female | 56 |
| 355 | - | - | Male | 56 |
| 356 | - | - | Female | 25 |
| 357 | - | - | Female | 52 |
| 358 | - | - | Male | 47 |
| 359 | - | - | Female | 52 |
| 360 | - | - | Female | 58 |
| 361 | - | - | Female | 27 |

| | | | | |
|-----|---|---|--------|----|
| 362 | - | - | Male | 59 |
| 363 | - | - | Female | 37 |
| 364 | - | - | Male | 54 |
| 365 | - | - | Male | 25 |
| 366 | - | - | Female | 52 |
| 367 | - | - | Male | 44 |
| 368 | - | - | Female | 70 |
| 369 | - | - | Male | 58 |
| 370 | - | - | Male | 27 |
| 371 | - | - | Female | 59 |
| 372 | - | - | Female | 46 |
| 373 | - | - | Female | 56 |
| 374 | - | - | Male | 25 |
| 375 | - | - | Female | 52 |
| 376 | - | - | Male | 44 |
| 377 | - | - | Male | 65 |
| 378 | - | - | Female | 58 |
| 379 | - | - | Female | 52 |
| 380 | - | - | Male | 53 |

Result of clinical trial oropharyngeal swab samples

| Sample No | RT-PCR | Antigen Rapid Test Kits | Sex | Age |
|-----------|--------|-------------------------|--------|-----|
| 1 | + | + | Male | 46 |
| 2 | + | + | Female | 38 |
| 3 | + | + | Male | 52 |
| 4 | + | + | Male | 45 |
| 5 | + | + | Female | 29 |
| 6 | + | + | Male | 26 |

| | | | | |
|----|---|---|--------|----|
| 7 | + | + | Female | 59 |
| 8 | + | + | Female | 28 |
| 9 | + | + | Male | 52 |
| 10 | + | + | Female | 38 |
| 11 | + | + | Male | 43 |
| 12 | + | + | Female | 61 |
| 13 | + | + | Male | 52 |
| 14 | + | + | Female | 20 |
| 15 | + | - | Female | 25 |
| 16 | + | + | Female | 20 |
| 17 | + | + | Male | 33 |
| 18 | + | + | Female | 52 |
| 19 | + | + | Male | 44 |
| 20 | + | + | Female | 38 |
| 21 | + | + | Male | 36 |
| 22 | + | + | Female | 46 |
| 23 | + | + | Female | 28 |
| 24 | + | + | Male | 51 |
| 25 | + | - | Male | 59 |
| 26 | + | + | Male | 37 |
| 27 | + | + | Female | 56 |
| 28 | + | + | Male | 25 |
| 29 | + | + | Female | 52 |
| 30 | + | + | Female | 44 |
| 31 | + | + | Male | 52 |
| 32 | + | + | Male | 58 |
| 33 | + | + | Female | 47 |
| 34 | + | + | Female | 49 |

| | | | | |
|----|---|---|--------|----|
| 35 | + | + | Female | 43 |
| 36 | + | - | Male | 18 |
| 37 | + | + | Male | 57 |
| 38 | + | + | Female | 29 |
| 39 | + | + | Male | 27 |
| 40 | + | + | Male | 35 |
| 41 | + | - | Female | 32 |
| 42 | + | + | Male | 52 |
| 43 | + | + | Female | 44 |
| 44 | + | + | Male | 38 |
| 45 | + | + | Female | 27 |
| 46 | + | + | Male | 46 |
| 47 | + | + | Male | 28 |
| 48 | + | + | Female | 51 |
| 49 | + | + | Female | 59 |
| 50 | + | + | Male | 27 |
| 51 | + | + | Male | 54 |
| 52 | + | + | Female | 29 |
| 53 | + | + | Male | 36 |
| 54 | + | + | Male | 47 |
| 55 | + | + | Female | 59 |
| 56 | + | + | Male | 56 |
| 57 | + | + | Female | 43 |
| 58 | + | + | Male | 38 |
| 59 | + | + | Female | 48 |
| 60 | + | + | Female | 24 |
| 61 | + | + | Male | 61 |
| 62 | + | + | Male | 51 |

| | | | | |
|----|---|---|--------|----|
| 63 | + | + | Male | 26 |
| 64 | + | + | Female | 34 |
| 65 | + | + | Female | 65 |
| 66 | + | + | Male | 56 |
| 67 | + | + | Male | 57 |
| 68 | + | + | Female | 28 |
| 69 | + | + | Male | 36 |
| 70 | + | - | Female | 26 |
| 71 | + | + | Male | 36 |
| 72 | + | + | Female | 51 |
| 73 | + | + | Female | 20 |
| 74 | + | + | Male | 34 |
| 75 | + | + | Female | 60 |
| 76 | + | + | Male | 55 |
| 77 | + | + | Female | 37 |
| 78 | + | + | Male | 57 |
| 79 | + | + | Male | 52 |
| 80 | + | + | Male | 43 |
| 81 | + | + | Female | 40 |
| 82 | + | + | Male | 42 |
| 83 | + | + | Female | 45 |
| 84 | + | + | Male | 42 |
| 85 | + | + | Female | 36 |
| 86 | + | + | Male | 22 |
| 87 | + | + | Male | 46 |
| 88 | + | + | Female | 19 |
| 89 | + | + | Male | 39 |
| 90 | + | - | Female | 25 |

| | | | | |
|-----|---|---|--------|----|
| 91 | + | + | Male | 29 |
| 92 | + | + | Female | 67 |
| 93 | + | + | Female | 68 |
| 94 | + | + | Female | 35 |
| 95 | + | + | Male | 29 |
| 96 | + | + | Male | 32 |
| 97 | + | + | Male | 24 |
| 98 | + | + | Female | 20 |
| 99 | + | + | Female | 58 |
| 100 | + | + | Female | 36 |
| 101 | + | + | Male | 52 |
| 102 | + | + | Male | 44 |
| 103 | + | + | Male | 38 |
| 104 | + | + | Male | 33 |
| 105 | + | + | Female | 46 |
| 106 | + | + | Male | 58 |
| 107 | + | + | Female | 27 |
| 108 | + | + | Male | 59 |
| 109 | + | + | Female | 37 |
| 110 | + | + | Male | 46 |
| 111 | + | + | Female | 25 |
| 112 | + | + | Female | 52 |
| 113 | + | + | Male | 44 |
| 114 | + | + | Female | 52 |
| 115 | + | + | Male | 58 |
| 116 | + | + | Female | 53 |
| 117 | + | + | Male | 49 |
| 118 | + | + | Female | 29 |

| | | | | |
|-----|---|---|--------|----|
| 119 | + | + | Male | 42 |
| 120 | + | + | Female | 30 |
| 121 | - | - | Male | 45 |
| 122 | - | - | Female | 46 |
| 123 | - | + | Female | 36 |
| 124 | - | - | Female | 39 |
| 125 | - | - | Male | 38 |
| 126 | - | - | Male | 37 |
| 127 | - | - | Female | 52 |
| 128 | - | - | Male | 30 |
| 129 | - | - | Female | 49 |
| 130 | - | - | Male | 36 |
| 131 | - | - | Female | 54 |
| 132 | - | - | Female | 29 |
| 133 | - | - | Male | 21 |
| 134 | - | - | Female | 61 |
| 135 | - | - | Female | 36 |
| 136 | - | - | Male | 39 |
| 137 | - | - | Female | 38 |
| 138 | - | - | Female | 37 |
| 139 | - | - | Female | 52 |
| 140 | - | - | Male | 52 |
| 141 | - | - | Male | 46 |
| 142 | - | - | Female | 56 |
| 143 | - | - | Female | 50 |
| 144 | - | - | Female | 72 |
| 145 | - | - | Male | 48 |
| 146 | - | - | Male | 39 |

| | | | | |
|-----|---|---|--------|----|
| 147 | - | - | Female | 38 |
| 148 | - | - | Female | 36 |
| 149 | - | - | Male | 45 |
| 150 | - | - | Female | 21 |
| 151 | - | - | Male | 24 |
| 152 | - | - | Female | 71 |
| 153 | - | - | Female | 67 |
| 154 | - | - | Male | 24 |
| 155 | - | - | Female | 20 |
| 156 | - | - | Female | 30 |
| 157 | - | - | Male | 36 |
| 158 | - | - | Female | 52 |
| 159 | - | - | Male | 44 |
| 160 | - | - | Female | 26 |
| 161 | - | - | Male | 39 |
| 162 | - | - | Female | 46 |
| 163 | - | - | Male | 17 |
| 164 | - | - | Female | 27 |
| 165 | - | - | Female | 59 |
| 166 | - | - | Female | 37 |
| 167 | - | - | Male | 35 |
| 168 | - | - | Male | 40 |
| 169 | - | - | Male | 36 |
| 170 | - | - | Female | 35 |
| 171 | - | - | Female | 21 |
| 172 | - | - | Male | 22 |
| 173 | - | - | Female | 69 |
| 174 | - | - | Female | 49 |

| | | | | |
|-----|---|---|--------|----|
| 175 | - | - | Male | 36 |
| 176 | - | - | Male | 39 |
| 177 | - | - | Female | 38 |
| 178 | - | - | Male | 46 |
| 179 | - | - | Female | 52 |
| 180 | - | - | Male | 52 |
| 181 | - | - | Female | 46 |
| 182 | - | - | Male | 56 |
| 183 | - | - | Male | 36 |
| 184 | - | - | Male | 30 |
| 185 | - | - | Female | 30 |
| 186 | - | - | Female | 50 |
| 187 | - | - | Male | 20 |
| 188 | - | - | Male | 46 |
| 189 | - | - | Female | 45 |
| 190 | - | - | Male | 46 |
| 191 | - | - | Female | 36 |
| 192 | - | - | Male | 39 |
| 193 | - | - | Female | 38 |
| 194 | - | - | Male | 37 |
| 195 | - | - | Female | 52 |
| 196 | - | - | Female | 52 |
| 197 | - | - | Female | 46 |
| 198 | - | - | Male | 56 |
| 199 | - | - | Male | 36 |
| 200 | - | - | Male | 30 |
| 201 | - | - | Male | 46 |
| 202 | - | - | Female | 45 |

| | | | | |
|-----|---|---|--------|----|
| 203 | - | - | Male | 46 |
| 204 | - | - | Female | 36 |
| 205 | - | - | Male | 39 |
| 206 | - | - | Male | 38 |
| 207 | - | - | Male | 37 |
| 208 | - | - | Female | 52 |
| 209 | - | - | Male | 52 |
| 210 | - | - | Female | 46 |
| 211 | - | - | Male | 56 |
| 212 | - | - | Female | 24 |
| 213 | - | - | Female | 29 |
| 214 | - | - | Male | 37 |
| 215 | - | - | Female | 25 |
| 216 | - | - | Male | 29 |
| 217 | - | - | Female | 36 |
| 218 | - | - | Male | 27 |
| 219 | - | - | Female | 54 |
| 220 | - | - | Male | 28 |
| 221 | - | - | Female | 21 |
| 222 | - | - | Female | 29 |
| 223 | - | - | Male | 36 |
| 224 | - | - | Female | 38 |
| 225 | - | - | Female | 59 |
| 226 | - | - | Male | 56 |
| 227 | - | - | Female | 57 |
| 228 | - | - | Male | 28 |
| 229 | - | - | Female | 41 |
| 230 | - | - | Female | 29 |

| | | | | |
|-----|---|---|--------|----|
| 231 | - | - | Male | 35 |
| 232 | - | - | Female | 32 |
| 233 | - | - | Male | 36 |
| 234 | - | - | Female | 58 |
| 235 | - | - | Male | 24 |
| 236 | - | - | Male | 29 |
| 237 | - | - | Male | 37 |
| 238 | - | - | Female | 25 |
| 239 | - | - | Male | 29 |
| 240 | - | - | Female | 36 |
| 241 | - | - | Male | 27 |
| 242 | - | - | Female | 54 |
| 243 | - | - | Female | 29 |
| 244 | - | - | Male | 36 |
| 245 | - | - | Male | 38 |
| 246 | - | - | Female | 59 |
| 247 | - | - | Male | 56 |
| 248 | - | - | Female | 57 |
| 249 | - | - | Male | 38 |
| 250 | - | - | Female | 48 |
| 251 | - | - | Female | 24 |
| 252 | - | - | Male | 61 |
| 253 | - | - | Male | 51 |
| 254 | - | - | Male | 39 |
| 255 | - | - | Female | 34 |
| 256 | - | - | Male | 60 |
| 257 | - | - | Female | 56 |
| 258 | - | - | Male | 57 |

| | | | | |
|-----|---|---|--------|----|
| 259 | - | - | Female | 28 |
| 260 | - | - | Female | 48 |
| 261 | - | - | Male | 26 |
| 262 | - | - | Female | 36 |
| 263 | - | - | Male | 51 |
| 264 | - | - | Female | 20 |
| 265 | - | - | Male | 34 |
| 266 | - | - | Female | 60 |
| 267 | - | - | Male | 57 |
| 268 | - | - | Male | 37 |
| 269 | - | - | Male | 57 |
| 270 | - | - | Female | 26 |
| 271 | - | - | Male | 46 |
| 272 | - | - | Female | 42 |
| 273 | - | - | Male | 42 |
| 274 | - | - | Female | 41 |
| 275 | - | - | Male | 32 |
| 276 | - | - | Female | 36 |
| 277 | - | - | Male | 45 |
| 278 | - | - | Male | 46 |
| 279 | - | - | Female | 36 |
| 280 | - | - | Male | 39 |
| 281 | - | - | Male | 25 |
| 282 | - | - | Female | 29 |
| 283 | - | - | Male | 66 |
| 284 | - | + | Female | 52 |
| 285 | - | - | Male | 35 |
| 286 | - | - | Female | 55 |

| | | | | |
|-----|---|---|--------|----|
| 287 | - | - | Male | 67 |
| 288 | - | - | Male | 24 |
| 289 | - | - | Female | 20 |
| 290 | - | - | Male | 32 |
| 291 | - | - | Male | 36 |
| 292 | - | - | Female | 52 |
| 293 | - | - | Male | 44 |
| 294 | - | - | Female | 38 |
| 295 | - | - | Male | 39 |
| 296 | - | - | Female | 46 |
| 297 | - | - | Female | 28 |
| 298 | - | - | Male | 27 |
| 299 | - | - | Female | 59 |
| 300 | - | - | Female | 37 |
| 301 | - | - | Male | 56 |
| 302 | - | - | Female | 25 |
| 303 | - | - | Female | 52 |
| 304 | - | - | Male | 44 |
| 305 | - | - | Female | 52 |
| 306 | - | - | Male | 58 |
| 307 | - | - | Male | 27 |
| 308 | - | - | Female | 59 |
| 309 | - | - | Female | 37 |
| 310 | - | - | Male | 56 |
| 311 | - | - | Female | 25 |
| 312 | - | - | Female | 52 |
| 313 | - | - | Male | 45 |
| 314 | - | - | Female | 52 |

| | | | | |
|-----|---|---|--------|----|
| 315 | - | - | Female | 58 |
| 316 | - | - | Male | 27 |
| 317 | - | - | Female | 59 |
| 318 | - | - | Male | 37 |
| 319 | - | - | Male | 55 |
| 320 | - | - | Female | 37 |
| 321 | - | - | Female | 52 |
| 322 | - | - | Male | 44 |
| 323 | - | - | Female | 52 |
| 324 | - | - | Male | 58 |
| 325 | - | - | Male | 27 |
| 326 | - | - | Female | 59 |
| 327 | - | - | Female | 37 |
| 328 | - | - | Male | 56 |
| 329 | - | - | Female | 25 |
| 330 | - | - | Female | 52 |
| 331 | - | - | Male | 62 |
| 332 | - | - | Female | 51 |
| 333 | - | - | Male | 19 |
| 334 | - | - | Male | 27 |
| 335 | - | - | Female | 20 |
| 336 | - | - | Female | 37 |
| 337 | - | - | Male | 56 |
| 338 | - | - | Female | 23 |
| 339 | - | - | Female | 52 |
| 340 | - | - | Male | 44 |
| 341 | - | - | Female | 24 |
| 342 | - | - | Male | 58 |

| | | | | |
|-----|---|---|--------|----|
| 343 | - | - | Male | 27 |
| 344 | - | - | Female | 59 |
| 345 | - | - | Female | 55 |
| 346 | - | - | Female | 56 |
| 347 | - | - | Male | 25 |
| 348 | - | - | Female | 52 |
| 349 | - | - | Male | 48 |
| 350 | - | - | Male | 52 |
| 351 | - | - | Female | 58 |
| 352 | - | - | Male | 27 |
| 353 | - | - | Female | 59 |
| 354 | - | - | Female | 56 |
| 355 | - | - | Male | 56 |
| 356 | - | - | Female | 25 |
| 357 | - | - | Female | 52 |
| 358 | - | - | Male | 47 |
| 359 | - | - | Female | 52 |
| 360 | - | - | Female | 58 |
| 361 | - | - | Female | 27 |
| 362 | - | - | Male | 59 |
| 363 | - | - | Female | 37 |
| 364 | - | - | Male | 54 |
| 365 | - | - | Male | 25 |
| 366 | - | - | Female | 52 |
| 367 | - | - | Male | 44 |
| 368 | - | - | Female | 70 |
| 369 | - | - | Male | 58 |
| 370 | - | - | Male | 27 |

| | | | | |
|-----|---|---|--------|----|
| 371 | - | - | Female | 59 |
| 372 | - | - | Female | 46 |
| 373 | - | - | Female | 56 |
| 374 | - | - | Male | 25 |
| 375 | - | - | Female | 52 |
| 376 | - | - | Male | 44 |
| 377 | - | - | Male | 65 |
| 378 | - | - | Female | 58 |
| 379 | - | - | Female | 52 |
| 380 | - | - | Male | 53 |

Result of clinical trial Saliva samples

| Sample No | RT-PCR | Antigen Rapid Test Kits | Sex | Age |
|-----------|--------|-------------------------|--------|-----|
| 1 | + | + | Male | 46 |
| 2 | + | + | Female | 38 |
| 3 | + | + | Male | 52 |
| 4 | + | + | Male | 45 |
| 5 | + | + | Female | 29 |
| 6 | + | + | Male | 26 |
| 7 | + | + | Female | 59 |
| 8 | + | + | Female | 28 |
| 9 | + | + | Male | 52 |
| 10 | + | + | Female | 38 |
| 11 | + | + | Male | 43 |
| 12 | + | + | Female | 61 |
| 13 | + | + | Male | 52 |
| 14 | + | + | Female | 20 |

| | | | | |
|----|---|---|--------|----|
| 15 | + | - | Female | 25 |
| 16 | + | + | Female | 20 |
| 17 | + | + | Male | 33 |
| 18 | + | + | Female | 52 |
| 19 | + | + | Male | 44 |
| 20 | + | + | Female | 38 |
| 21 | + | + | Male | 36 |
| 22 | + | + | Female | 46 |
| 23 | + | + | Female | 28 |
| 24 | + | + | Male | 51 |
| 25 | + | - | Male | 59 |
| 26 | + | + | Male | 37 |
| 27 | + | + | Female | 56 |
| 28 | + | + | Male | 25 |
| 29 | + | + | Female | 52 |
| 30 | + | + | Female | 44 |
| 31 | + | + | Male | 52 |
| 32 | + | + | Male | 58 |
| 33 | + | + | Female | 47 |
| 34 | + | + | Female | 49 |
| 35 | + | + | Female | 43 |
| 36 | + | - | Male | 18 |
| 37 | + | + | Male | 57 |
| 38 | + | + | Female | 29 |
| 39 | + | + | Male | 27 |
| 40 | + | + | Male | 35 |
| 41 | + | - | Female | 32 |
| 42 | + | + | Male | 52 |

| | | | | |
|----|---|---|--------|----|
| 43 | + | + | Female | 44 |
| 44 | + | + | Male | 38 |
| 45 | + | + | Female | 27 |
| 46 | + | + | Male | 46 |
| 47 | + | + | Male | 28 |
| 48 | + | + | Female | 51 |
| 49 | + | + | Female | 59 |
| 50 | + | + | Male | 27 |
| 51 | + | + | Male | 54 |
| 52 | + | + | Female | 29 |
| 53 | + | + | Male | 36 |
| 54 | + | + | Male | 47 |
| 55 | + | + | Female | 59 |
| 56 | + | + | Male | 56 |
| 57 | + | + | Female | 43 |
| 58 | + | + | Male | 38 |
| 59 | + | + | Female | 48 |
| 60 | + | + | Female | 24 |
| 61 | + | + | Male | 61 |
| 62 | + | + | Male | 51 |
| 63 | + | + | Male | 26 |
| 64 | + | + | Female | 34 |
| 65 | + | + | Female | 65 |
| 66 | + | + | Male | 56 |
| 67 | + | + | Male | 57 |
| 68 | + | + | Female | 28 |
| 69 | + | + | Male | 36 |
| 70 | + | - | Female | 26 |

| | | | | |
|----|---|---|--------|----|
| 71 | + | + | Male | 36 |
| 72 | + | + | Female | 51 |
| 73 | + | + | Female | 20 |
| 74 | + | + | Male | 34 |
| 75 | + | + | Female | 60 |
| 76 | + | + | Male | 55 |
| 77 | + | + | Female | 37 |
| 78 | + | + | Male | 57 |
| 79 | + | + | Male | 52 |
| 80 | + | + | Male | 43 |
| 81 | + | + | Female | 40 |
| 82 | + | + | Male | 42 |
| 83 | + | + | Female | 45 |
| 84 | + | + | Male | 42 |
| 85 | + | + | Female | 36 |
| 86 | + | - | Male | 22 |
| 87 | + | + | Male | 46 |
| 88 | + | + | Female | 19 |
| 89 | + | + | Male | 39 |
| 90 | + | - | Female | 25 |
| 91 | + | + | Male | 29 |
| 92 | + | + | Female | 67 |
| 93 | + | + | Female | 68 |
| 94 | + | + | Female | 35 |
| 95 | + | + | Male | 29 |
| 96 | + | + | Male | 32 |
| 97 | + | + | Male | 24 |
| 98 | + | + | Female | 20 |

| | | | | |
|-----|---|---|--------|----|
| 99 | + | + | Female | 58 |
| 100 | + | + | Female | 36 |
| 101 | + | + | Male | 52 |
| 102 | + | + | Male | 44 |
| 103 | + | + | Male | 38 |
| 104 | + | + | Male | 33 |
| 105 | + | + | Female | 46 |
| 106 | + | + | Male | 58 |
| 107 | + | + | Female | 27 |
| 108 | + | + | Male | 59 |
| 109 | + | + | Female | 37 |
| 110 | + | + | Male | 46 |
| 111 | + | + | Female | 25 |
| 112 | + | + | Female | 52 |
| 113 | + | + | Male | 44 |
| 114 | + | + | Female | 52 |
| 115 | + | + | Male | 58 |
| 116 | + | + | Female | 53 |
| 117 | + | + | Male | 49 |
| 118 | + | + | Female | 29 |
| 119 | + | + | Male | 42 |
| 120 | + | + | Female | 30 |
| 121 | - | - | Male | 45 |
| 122 | - | - | Female | 46 |
| 123 | - | + | Female | 36 |
| 124 | - | - | Female | 39 |
| 125 | - | - | Male | 38 |
| 126 | - | - | Male | 37 |

| | | | | |
|-----|---|---|--------|----|
| 127 | - | - | Female | 52 |
| 128 | - | - | Male | 30 |
| 129 | - | - | Female | 49 |
| 130 | - | - | Male | 36 |
| 131 | - | - | Female | 54 |
| 132 | - | - | Female | 29 |
| 133 | - | - | Male | 21 |
| 134 | - | - | Female | 61 |
| 135 | - | - | Female | 36 |
| 136 | - | - | Male | 39 |
| 137 | - | - | Female | 38 |
| 138 | - | - | Female | 37 |
| 139 | - | - | Female | 52 |
| 140 | - | - | Male | 52 |
| 141 | - | - | Male | 46 |
| 142 | - | - | Female | 56 |
| 143 | - | - | Female | 50 |
| 144 | - | - | Female | 72 |
| 145 | - | - | Male | 48 |
| 146 | - | - | Male | 39 |
| 147 | - | - | Female | 38 |
| 148 | - | - | Female | 36 |
| 149 | - | - | Male | 45 |
| 150 | - | - | Female | 21 |
| 151 | - | - | Male | 24 |
| 152 | - | - | Female | 71 |
| 153 | - | - | Female | 67 |
| 154 | - | - | Male | 24 |

| | | | | |
|-----|---|---|--------|----|
| 155 | - | - | Female | 20 |
| 156 | - | - | Female | 30 |
| 157 | - | - | Male | 36 |
| 158 | - | - | Female | 52 |
| 159 | - | - | Male | 44 |
| 160 | - | - | Female | 26 |
| 161 | - | - | Male | 39 |
| 162 | - | - | Female | 46 |
| 163 | - | - | Male | 17 |
| 164 | - | - | Female | 27 |
| 165 | - | - | Female | 59 |
| 166 | - | - | Female | 37 |
| 167 | - | - | Male | 35 |
| 168 | - | - | Male | 40 |
| 169 | - | - | Male | 36 |
| 170 | - | - | Female | 35 |
| 171 | - | - | Female | 21 |
| 172 | - | - | Male | 22 |
| 173 | - | - | Female | 69 |
| 174 | - | - | Female | 49 |
| 175 | - | - | Male | 36 |
| 176 | - | - | Male | 39 |
| 177 | - | - | Female | 38 |
| 178 | - | - | Male | 46 |
| 179 | - | - | Female | 52 |
| 180 | - | - | Male | 52 |
| 181 | - | - | Female | 46 |
| 182 | - | - | Male | 56 |

| | | | | |
|-----|---|---|--------|----|
| 183 | - | - | Male | 36 |
| 184 | - | - | Male | 30 |
| 185 | - | - | Female | 30 |
| 186 | - | - | Female | 50 |
| 187 | - | - | Male | 20 |
| 188 | - | - | Male | 46 |
| 189 | - | - | Female | 45 |
| 190 | - | - | Male | 46 |
| 191 | - | - | Female | 36 |
| 192 | - | - | Male | 39 |
| 193 | - | - | Female | 38 |
| 194 | - | - | Male | 37 |
| 195 | - | - | Female | 52 |
| 196 | - | - | Female | 52 |
| 197 | - | - | Female | 46 |
| 198 | - | - | Male | 56 |
| 199 | - | - | Male | 36 |
| 200 | - | - | Male | 30 |
| 201 | - | - | Male | 46 |
| 202 | - | - | Female | 45 |
| 203 | - | - | Male | 46 |
| 204 | - | - | Female | 36 |
| 205 | - | - | Male | 39 |
| 206 | - | - | Male | 38 |
| 207 | - | - | Male | 37 |
| 208 | - | - | Female | 52 |
| 209 | - | - | Male | 52 |
| 210 | - | - | Female | 46 |

| | | | | |
|-----|---|---|--------|----|
| 211 | - | - | Male | 56 |
| 212 | - | - | Female | 24 |
| 213 | - | - | Female | 29 |
| 214 | - | - | Male | 37 |
| 215 | - | - | Female | 25 |
| 216 | - | - | Male | 29 |
| 217 | - | - | Female | 36 |
| 218 | - | - | Male | 27 |
| 219 | - | - | Female | 54 |
| 220 | - | - | Male | 28 |
| 221 | - | - | Female | 21 |
| 222 | - | - | Female | 29 |
| 223 | - | - | Male | 36 |
| 224 | - | - | Female | 38 |
| 225 | - | - | Female | 59 |
| 226 | - | - | Male | 56 |
| 227 | - | - | Female | 57 |
| 228 | - | - | Male | 28 |
| 229 | - | - | Female | 41 |
| 230 | - | - | Female | 29 |
| 231 | - | - | Male | 35 |
| 232 | - | - | Female | 32 |
| 233 | - | - | Male | 36 |
| 234 | - | - | Female | 58 |
| 235 | - | - | Male | 24 |
| 236 | - | - | Male | 29 |
| 237 | - | - | Male | 37 |
| 238 | - | - | Female | 25 |

| | | | | |
|-----|---|---|--------|----|
| 239 | - | - | Male | 29 |
| 240 | - | - | Female | 36 |
| 241 | - | - | Male | 27 |
| 242 | - | - | Female | 54 |
| 243 | - | - | Female | 29 |
| 244 | - | - | Male | 36 |
| 245 | - | - | Male | 38 |
| 246 | - | - | Female | 59 |
| 247 | - | - | Male | 56 |
| 248 | - | - | Female | 57 |
| 249 | - | - | Male | 38 |
| 250 | - | - | Female | 48 |
| 251 | - | - | Female | 24 |
| 252 | - | - | Male | 61 |
| 253 | - | - | Male | 51 |
| 254 | - | - | Male | 39 |
| 255 | - | - | Female | 34 |
| 256 | - | - | Male | 60 |
| 257 | - | - | Female | 56 |
| 258 | - | - | Male | 57 |
| 259 | - | - | Female | 28 |
| 260 | - | - | Female | 48 |
| 261 | - | - | Male | 26 |
| 262 | - | - | Female | 36 |
| 263 | - | - | Male | 51 |
| 264 | - | - | Female | 20 |
| 265 | - | - | Male | 34 |
| 266 | - | - | Female | 60 |

| | | | | |
|-----|---|---|--------|----|
| 267 | - | - | Male | 57 |
| 268 | - | - | Male | 37 |
| 269 | - | - | Male | 57 |
| 270 | - | - | Female | 26 |
| 271 | - | - | Male | 46 |
| 272 | - | - | Female | 42 |
| 273 | - | - | Male | 42 |
| 274 | - | - | Female | 41 |
| 275 | - | - | Male | 32 |
| 276 | - | - | Female | 36 |
| 277 | - | - | Male | 45 |
| 278 | - | - | Male | 46 |
| 279 | - | - | Female | 36 |
| 280 | - | - | Male | 39 |
| 281 | - | - | Male | 25 |
| 282 | - | - | Female | 29 |
| 283 | - | - | Male | 66 |
| 284 | - | - | Female | 52 |
| 285 | - | - | Male | 35 |
| 286 | - | - | Female | 55 |
| 287 | - | - | Male | 67 |
| 288 | - | - | Male | 24 |
| 289 | - | - | Female | 20 |
| 290 | - | - | Male | 32 |
| 291 | - | - | Male | 36 |
| 292 | - | - | Female | 52 |
| 293 | - | - | Male | 44 |
| 294 | - | - | Female | 38 |

| | | | | |
|-----|---|---|--------|----|
| 295 | - | - | Male | 39 |
| 296 | - | - | Female | 46 |
| 297 | - | - | Female | 28 |
| 298 | - | - | Male | 27 |
| 299 | - | - | Female | 59 |
| 300 | - | - | Female | 37 |
| 301 | - | - | Male | 56 |
| 302 | - | - | Female | 25 |
| 303 | - | - | Female | 52 |
| 304 | - | - | Male | 44 |
| 305 | - | - | Female | 52 |
| 306 | - | - | Male | 58 |
| 307 | - | - | Male | 27 |
| 308 | - | - | Female | 59 |
| 309 | - | - | Female | 37 |
| 310 | - | - | Male | 56 |
| 311 | - | - | Female | 25 |
| 312 | - | - | Female | 52 |
| 313 | - | - | Male | 45 |
| 314 | - | - | Female | 52 |
| 315 | - | - | Female | 58 |
| 316 | - | - | Male | 27 |
| 317 | - | - | Female | 59 |
| 318 | - | - | Male | 37 |
| 319 | - | - | Male | 55 |
| 320 | - | - | Female | 37 |
| 321 | - | - | Female | 52 |
| 322 | - | - | Male | 44 |

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|-----|---|---|--------|----|
| 323 | - | - | Female | 52 |
| 324 | - | - | Male | 58 |
| 325 | - | - | Male | 27 |
| 326 | - | - | Female | 59 |
| 327 | - | - | Female | 37 |
| 328 | - | - | Male | 56 |
| 329 | - | - | Female | 25 |
| 330 | - | - | Female | 52 |
| 331 | - | - | Male | 62 |
| 332 | - | - | Female | 51 |
| 333 | - | - | Male | 19 |
| 334 | - | - | Male | 27 |
| 335 | - | - | Female | 20 |
| 336 | - | - | Female | 37 |
| 337 | - | - | Male | 56 |
| 338 | - | - | Female | 23 |
| 339 | - | - | Female | 52 |
| 340 | - | - | Male | 44 |
| 341 | - | - | Female | 24 |
| 342 | - | - | Male | 58 |
| 343 | - | - | Male | 27 |
| 344 | - | - | Female | 59 |
| 345 | - | - | Female | 55 |
| 346 | - | - | Female | 56 |
| 347 | - | - | Male | 25 |
| 348 | - | - | Female | 52 |
| 349 | - | - | Male | 48 |
| 350 | - | - | Male | 52 |

| | | | | |
|-----|---|---|--------|----|
| 351 | - | - | Female | 58 |
| 352 | - | - | Male | 27 |
| 353 | - | - | Female | 59 |
| 354 | - | - | Female | 56 |
| 355 | - | - | Male | 56 |
| 356 | - | - | Female | 25 |
| 357 | - | - | Female | 52 |
| 358 | - | - | Male | 47 |
| 359 | - | - | Female | 52 |
| 360 | - | - | Female | 58 |
| 361 | - | - | Female | 27 |
| 362 | - | - | Male | 59 |
| 363 | - | - | Female | 37 |
| 364 | - | - | Male | 54 |
| 365 | - | - | Male | 25 |
| 366 | - | - | Female | 52 |
| 367 | - | - | Male | 44 |
| 368 | - | - | Female | 70 |
| 369 | - | - | Male | 58 |
| 370 | - | - | Male | 27 |
| 371 | - | - | Female | 59 |
| 372 | - | - | Female | 46 |
| 373 | - | - | Female | 56 |
| 374 | - | - | Male | 25 |
| 375 | - | - | Female | 52 |
| 376 | - | - | Male | 44 |
| 377 | - | - | Male | 65 |
| 378 | - | - | Female | 58 |

| | | | | |
|-----|---|---|--------|----|
| 379 | | - | Female | 52 |
| 380 | - | - | Male | 53 |