

**IgM 和 IgG 抗体联合检测试剂在新冠病毒感染中的诊断价值**  
**The Diagnostic Value in SARS-CoV-2 Infection (COVID-19) with COVID-19 IgG/IgM**  
**Rapid Test Kit**  
江苏省疾控预防控制中心  
Jiangsu Provincial Center for Disease Control and Prevention

**1. 实验目的 Experimental Purpose :**

评估杭州博拓生物科技股份有限公司生产的新型冠状病毒检测试剂(胶体金法)在新型冠状病毒感染中的诊断价值。Evaluate the diagnostic value in SARS-CoV-2 infection (COVID-19) with COVID-19 IgG/IgM Rapid Test Kit manufactured by Hangzhou Biotest Biotech Co.,Ltd.

**2. 实验方法 Experimental Purpose:**

本研究采用回顾性研究,检测2020年2月~3月江苏省疾控预防控制中心收集的新冠病人血样,其中100例为新型冠状病毒肺炎患者,150例为排除病例。The study is a retrospective study on testing 100 samples from patients infected SARS-CoV-2 (COVID-19) and 150 samples from the excluded cases collected by Jiangsu Provincial Center for Disease Control and Prevention from Feb.-Mar. 2020.

**3. 实验材料 Experimental Material:**

**3.1 产品信息 Product Information:**

新型冠状病毒检测试剂(胶体金法)产品批号: COV2003001-T。

COVID-19 IgG/IgM Rapid Test Cassette (Colloidal gold)

Product Lot No.: COV2003001-T

**3.2 样本信息 Specimen Information:**

新型冠状病毒感染肺炎确诊病例100例; Definitive Diagnosed Cases of COVID-19 (100 Cases);

新型冠状病毒感染肺炎排除病例150例; Excluded Cases of COVID-19 (150 Cases);

新型冠状病毒感染肺炎的确诊病例及排除病例参考中国国家卫健委颁布的《新型冠状病毒感染的肺炎诊疗方案》进行确定。The Confirmed Cases and Excluded Cases were confirmed according to "Diagnosis and Treatment Plan for Pneumonia Caused by New Coronavirus Infection" issued by the National Health Commission of P. R. China.

**4. 产品操作方法 Direction for Use:**

在进行测试前必须先完整阅读使用说明书, 使用前将试剂和标本恢复至室温(15-30°C)。Read the entire manual and bring the test and specimens to reach room temperature (15-30°C) before use.

从原包装中取出检测试剂, 在1小时内应尽快地使用, 特别是温度高于30°C或在高湿度条件下。Remove the test cassette from the sealed pouch and use it within one hour, especially temperature above 30°C or at high humidity.

1) 将试剂板置于干净平坦的台面上。用一次性滴管在试剂板的加样孔(S)中加入10ul血清/血浆/全血样本, 再向试剂板的缓冲液孔(B)中加入2滴缓冲液(约80ul)。Place the test cassette on a clean and level surface. Hold the dropper vertically, draw the specimen up to the Fill Line (approximately 10μl), and transfer the specimen to the specimen well (S) of the test cassette,

then add 2 drops of buffer (approximately 80 $\mu$ l) to the buffer well (B).

2) 等待紫红色条带的出现，测试结果应在 10~20 分钟内读取。20 分钟后判定无效。Wait for the colored line(s) to appear. The test result should be read at 10 minutes. Do not interpret the result after 20 minutes

## 5. 试验方法 Testing Method:

针对有新型冠状病毒感染的确诊/排除结论的病例，应以临床诊断标准为对照，按照如上方法评价试验用体外诊断试剂的临床灵敏度和特异度。For the confirmed COVID-19 infected patients or COVID-19 infection rule-out patients, evaluation on clinical sensitivity and specificity of in-vitro diagnostic kit should be carried out comparing to clinical diagnosis.

## 6. 实验结果 Testing Result:

对 250 例病例依据中国国家卫健委颁布的《新型冠状病毒感染的肺炎诊疗方案》进行确认。The 250 cases were confirmed according to "Diagnosis and Treatment Plan for Pneumonia Caused by New Coronavirus Infection" issued by the National Health Commission of P. R. China.

| 博拓试剂<br>Biotests COVID-19<br>Kit | 临床参考标准<br>Clinical Reference       |                     | 合计<br>Sum |
|----------------------------------|------------------------------------|---------------------|-----------|
|                                  | 确诊<br>Definitive Diagnosed<br>Case | 排除<br>Excluded Case |           |
| 阳性<br>Pos.                       | 95                                 | 4                   | 99        |
| 阴性<br>Neg.                       | 5                                  | 146                 | 151       |
| 合计<br>Sum                        | 100                                | 150                 | 250       |

阳性符合率 Positive Coincident Rate = 95/(95+5) × 100% = 95%

阴性符合率 Negative Coincident Rate = 146/(146+4) × 100% = 97.3%

总符合率 Total Coincident Rate = (95+146)/(95+5+4+146) × 100% = 96.4%

同时对检测结果进行 Kappa 一致性检验，取 95% 可信区间，Kappa 值在 0~1 之间，越接近 1 说明两种试剂检测结果的一致性越好。Kappa=0.925

At the same time, Kappa consistency test was performed on the test results, and the 95% confidence interval was selected. Kappa value lays between 0 and 1. The closer the Kappa value is to 1, the better the consistency is between the two diagnostic methods. Kappa = 0.925

## 7. 结论 Conclusion

检测 250 例病例样本：100 例确诊病例和 150 例排除病例。250 samples in total were tested, including 100 Definitive Diagnosed Cases and 150 excluded cases.

100 例确诊病例的博拓试剂结果：84 例 IgM 抗体 IgG 抗体均为阳性；2 例 IgM 抗体阴性 IgG 抗体阳性；9 例 IgM 抗体阳性 IgG 抗体阴性；5 例 IgM 抗体 IgG 抗体均为阴性。100 Definitive Diagnosed Cases were tested with the test of BIOTEST. 84 samples were detected as IgG positive and IgM positive. 2 samples were detected as IgG positive and IgM negative. 9 samples were detected as IgM positive and IgG negative. 5 samples were detected as IgG negative and IgM negative.

IgM 抗体临床灵敏度为：93.0% (93/100)，IgG 抗体临床灵敏度为 100.0% (86/86) (备

注: IgG 抗体灵敏度为同对比试剂相比较结果), 2019-nCoV 抗体检测的阳性预测值为: 95% (95/100)。The clinical sensitivity for IgM test is 93.0%(93/100) and for IgG test is 100.0% (86/86) (Note: The clinical sensitivity for IgG test is compared with INNOVITA Test) . The clinical sensitivity in total is 95% (95/100) .

150 例排除病例的博拓试剂结果: IgM 抗体临床特异性为: 97.3% (146/150), IgG 抗体临床特异性为 99.3% (149/150), 阴性预测值为: 97.3% (146/150)。150 Excluded Cases were tested with the test of BIOTEST. The clinical specificity for IgM test is 97.3% (146/150) and for IgG test is 99.3% (149/150) . The negative predict value is 97.3% (146/150) .

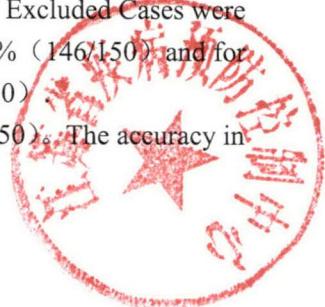
250 例病例样本的 2019-nCoV 抗体检测总符合率为: 96.4% (241/250)。The accuracy in total is 96.4% (241/250) for the COVID-19 IgG/IgM rapid test cassette.

附件 1: 100 确诊病例检测结果;

Attachment 1: 100 Definitive Diagnosed Cases test results;

附件 2: 150 排除病例检测结果

Attachment 2: 150 Excluded Cases test results;

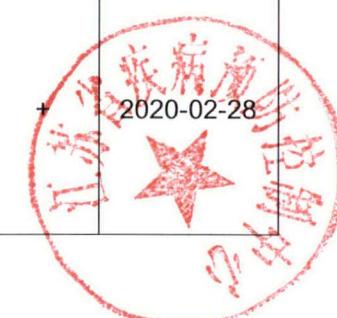


附件 1：100 确诊病例检测结果；

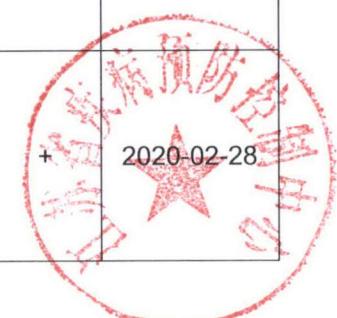
Attachment 1: 100 Definitive Diagnosed Cases test results;

| 序号<br>No. | 试验号<br>Experiment No. | 样本类型<br>Sample Type | 性别<br>Sex    | 年龄<br>Age | 确诊/排除结果<br>Diagnostic Result | 临床分型<br>Clinical Sub-group | 临床症状<br>Clinical Symptom   | 考核试剂检测结果<br>Biostest Kit Result |      | 对比试剂<br>INNO VTA Kit Result | 核酸检测结果<br>Nucleic Acid Result | 采样时间<br>Sample Acquisition Date |
|-----------|-----------------------|---------------------|--------------|-----------|------------------------------|----------------------------|--|---------------------------------|------|-----------------------------|-------------------------------|---------------------------------|
|           |                       |                     |              |           |                              |                            |  | Ig M                            | Ig G |                             |                               |                                 |
| 1         | B1                    | 血清<br>Serum         | 男性<br>Male   | 49        | 确诊<br>Definitive Diagnosis   | 普通型<br>Regular             | 乏力 Feeble, 头痛 Headache, 发热 Fever, 干咳 Dry Cough, 咳痰 Expectoration, 寒战 Chill | +                               | +    | +                           | +                             | 2020-02-28                      |
| 2         | B2                    | 血清<br>Serum         | 男性<br>Male   | 30        | 确诊<br>Definitive Diagnosis   | 普通型<br>Regular             | 寒战 Chill, 发热 Fever, 干咳 Dry Cough   | +                               | +    | +                           | +                             | 2020-02-28                      |
| 3         | B3                    | 血清<br>Serum         | 男性<br>Male   | 59        | 确诊<br>Definitive Diagnosis   | 普通型<br>Regular             | 发热 Fever, 头痛 Headache, 其他 Other, 咳痰 Expectoration                          | +                               | +    | +                           | +                             | 2020-02-28                      |
| 4         | B4                    | 血清<br>Serum         | 女性<br>Female | 36        | 确诊<br>Definitive Diagnosis   | 普通型<br>Regular             | 发热 Fever, 寒战 Chill, 咳痰 Expectoration, 头痛 Headache, 乏力 Feeble               | +                               | +    | +                           | +                             | 2020-02-28                      |
| 5         | B5                    | 血清<br>Serum         | 男性<br>Male   | 43        | 确诊<br>Definitive Diagnosis   | 普通型<br>Regular             | 发热 Fever, 咳痰 Expectoration, 乏力 Feeble                                      | +                               | +    | +                           | +                             | 2020-02-28                      |

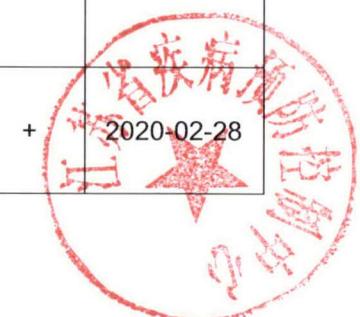
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|----|-----|----------|-----------|----|-------------------------|-------------------------------|---|---|---|---|---|------------|
| 6  | B6  | 血清 Serum | 女性 Female | 50 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever,其他 Other, 头痛 Headache  | + | + | + | + | 2020-02-28 |
| 7  | B7  | 血清 Serum | 男性 Male   | 31 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever,干咳 Dry Cough,咳痰 Expectoration  | + | + | + | + | 2020-02-28 |
| 8  | B8  | 血清 Serum | 男性 Male   | 34 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever,寒战 Chill,干咳 Dry Cough  | + | - | + | + | 2020-02-28 |
| 9  | B9  | 血清 Serum | 男性 Male   | 34 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever,胸闷   | + | + | + | + | 2020-02-28 |
| 10 | B10 | 血清 Serum | 男性 Male   | 61 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 发热 Fever,干咳 Dry Cough,肌肉酸痛 Muscle Pain  | - | - | - | + | 2020-02-28 |
| 11 | B11 | 血清 Serum | 男性 Male   | 39 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever,寒战 Chill,乏力 Feeble   | + | + | + | + | 2020-02-28 |
| 12 | B12 | 血清 Serum | 男性 Male   | 23 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever,咳痰 Expectoration,鼻塞 Nasal Obstruction,流涕 Running Nose,乏力 Feeble,肌肉酸痛 Muscle Pain | + | + | + |   | 2020-02-28 |



|    |     |          |            |    |                            |   |  |   |   |   |   |            |
|----|-----|----------|------------|----|----------------------------|---|--|---|---|---|---|------------|
| 13 | B13 | 血清 Serum | 男性 Male    | 30 | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 发热 Fever,寒战 Chill,干<br>咳 Dry Cough                     | + | - | + | + | 2020-02-28 |
| 14 | B14 | 血清 Serum | 女性 Femal e | 37 | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 咽痛 Pharyngalgia  | + | + | + | + | 2020-02-28 |
| 15 | B15 | 血清 Serum | 男性 Male    | 30 | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 流涕 Running Nose  | - | - | - | + | 2020-02-28 |
| 16 | B16 | 血清 Serum | 女性 Femal e | 42 | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 干咳 Dry Cough,咳痰<br>Expectoration,乏力<br>Feeble,寒战 Chill | + | + | + | + | 2020-02-28 |
| 17 | B17 | 血清 Serum | 女性 Femal e | 33 | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 其他 Other   | + | + | + | + | 2020-02-28 |



|    |     |          |            |    |                            |   |  |   |   |   |   |            |
|----|-----|----------|------------|----|----------------------------|---|--|---|---|---|---|------------|
| 18 | B18 | 血清 Serum | 男性 Male    | 1  | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 其他 Other   | + | + | + | + | 2020-02-28 |
| 19 | B19 | 血清 Serum | 女性 Femal e | 64 | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 干咳 Dry Cough,咽痛<br>Pharyngalgia                      | + | + | + | + | 2020-02-28 |
| 20 | B20 | 血清 Serum | 男性 Male    | 31 | 确诊<br>Definitive Diagnosis | 普通型<br>Regular                              | 发热 Fever,干咳 Dry<br>Cough,头痛 Headache                 | + | + | + | + | 2020-02-28 |
| 21 | B21 | 血清 Serum | 男性 Male    | 45 | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 咳痰 Expectoration                                     | + | + | + | + | 2020-02-28 |
| 22 | B22 | 血清 Serum | 女性 Femal e | 36 | 确诊<br>Definitive Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 发热 Fever,干咳 Dry<br>Cough                             | + | - | + | + | 2020-02-28 |
| 23 | B23 | 血清 Serum | 男性 Male    | 48 | 确诊<br>Definitive Diagnosis | 重型<br>Severe                                | 寒战 Chill,头痛<br>Headache,肌肉酸痛<br>Muscle Pain,发热 Fever | + | + | + | + | 2020-02-28 |



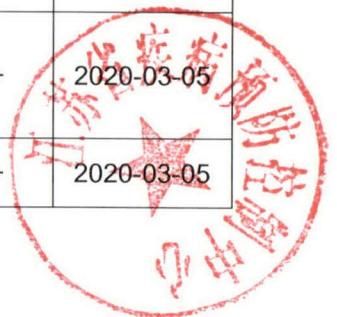
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|----|-----|----------|-----------|----|-------------------------|-------------------------------|----------------------------------|---|---|---|---|------------|
| 24 | B24 | 血清 Serum | 男性 Male   | 33 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 干咳 Dry Cough                     | + | + | + | + | 2020-02-28 |
| 25 | B25 | 血清 Serum | 男性 Male   | 25 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 发热 Fever,干咳 Dry Cough            | + | + | + | + | 2020-02-28 |
| 26 | B26 | 血清 Serum | 男性 Male   | 38 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 咳痰 Expectoration,流涕 Running Nose | + | + | + | + | 2020-02-28 |
| 27 | B27 | 血清 Serum | 女性 Female | 57 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 干咳 Dry Cough,其他 Other,发热 Fever   | + | + | + | + | 2020-02-28 |
| 28 | B28 | 血清 Serum | 男性 Male   | 36 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever,干咳 Dry Cough,寒战 Chill   | + | + | + | + | 2020-02-28 |
| 29 | B29 | 血清 Serum | 男性 Male   | 47 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 咳痰 Expectoration                 | + | + | + | + | 2020-02-28 |

|    |     |          |            |    |                         |                                 |  |   |   |   |   |            |
|----|-----|----------|------------|----|-------------------------|---------------------------------|--|---|---|---|---|------------|
| 30 | B31 | 血清 Serum | 男性 Male    | 23 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever                                   | + | + | + | + | 2020-03-01 |
| 31 | B32 | 血清 Serum | 女性 Femal e | 52 | 确诊 Definitive Diagnosis | 无症状感 染者 Asympto matic Infection | 咳痰 Expectoration,流涕 Running Nose           | + | + | + | + | 2020-03-01 |
| 32 | B33 | 血清 Serum | 男性 Male    | 22 | 确诊 Definitive Diagnosis | 轻型 Mild                         | 发热 Fever,头痛 Headache,寒战 Chill,干咳 Dry Cough | + | + | + | + | 2020-03-01 |
| 33 | B34 | 血清 Serum | 女性 Femal e | 51 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever                                   | + | + | + | + | 2020-03-01 |
| 34 | B35 | 血清 Serum | 女性 Femal e | 56 | 确诊 Definitive Diagnosis | 无症状感 染者 Asympto matic Infection | 其他 Other                                   | + | + | + | + | 2020-03-01 |
| 35 | B36 | 血清 Serum | 男性 Male    | 31 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever,干咳 Dry Cough,咳痰 Expectoration     | + | - | - | + | 2020-02-26 |
| 36 | B37 | 血清 Serum | 女性 Femal e | 20 | 确诊 Definitive Diagnosis | 无症状感 染者 Asympto matic           | 发热 Fever                                   | - | - | - | + | 2020-02-29 |

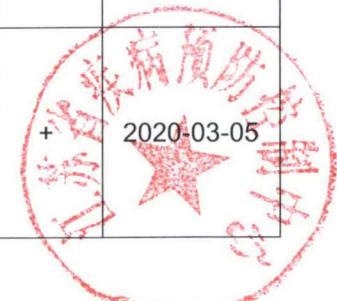


|    |     |          |           |    |                         | Infection                     |                            |   |   |   |   |            |
|----|-----|----------|-----------|----|-------------------------|-------------------------------|----------------------------|---|---|---|---|------------|
| 37 | B38 | 血清 Serum | 女性 Female | 20 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 发热 Fever                   | - | - | - | + | 2020-03-02 |
| 38 | B39 | 血清 Serum | 男性 Male   | 23 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever, 咳痰 Expectoration | + | + | + | + | 2020-03-02 |
| 39 | B40 | 血清 Serum | 男性 Male   | 55 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 其他 Other                   | + | - | - | + | 2020-03-01 |
| 40 | B41 | 血清 Serum | 男性 Male   | 66 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever, 干咳 Dry Cough     | + | + | + | + | 2020-03-04 |
| 41 | B42 | 血清 Serum | 女性 Female | 53 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever, 咳痰 Expectoration | + | + | + | + | 2020-03-04 |
| 42 | B43 | 血清 Serum | 女性 Female | 31 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever                   | + | + | + | + | 2020-03-04 |
| 43 | B44 | 血清 Serum | 男性 Male   | 43 | 确诊 Definitive           | 普通型 Regular                   | 发热 Fever                   | + | + | + | + | 2020-03-04 |

|    |     |          |           |    | Diagnosis               |                                 |  |   |   |   |   |            |
|----|-----|----------|-----------|----|-------------------------|---------------------------------|--|---|---|---|---|------------|
| 44 | B45 | 血清 Serum | 女性 Female | 46 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever, 咳痰 Expectoration               | + | + | + | + | 2020-03-04 |
| 45 | B46 | 血清 Serum | 男性 Male   | 46 | 确诊 Definitive Diagnosis | 无症状感 染者 Asympto matic Infection | 其他 Other                                 | + | + | + | + | 2020-03-04 |
| 46 | B47 | 血清 Serum | 男性 Male   | 31 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever, 干咳 Dry Cough, 咳痰 Expectoration | + | + | + | + | 2020-03-05 |
| 47 | B48 | 血清 Serum | 男性 Male   | 49 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever, 干咳 Dry Cough                   | + | + | + | + | 2020-03-05 |
| 48 | B49 | 血清 Serum | 女性 Female | 51 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 干咳 Dry Cough, 腹泻 Diarrhea                | + | + | + | + | 2020-03-05 |
| 49 | B50 | 血清 Serum | 女性 Female | 55 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever                                 | + | + | + | + | 2020-03-05 |
| 50 | B51 | 血清 Serum | 男性 Male   | 33 | 确诊 Definitive Diagnosis | 轻型 Mild                         | 发热 Fever, 干咳 Dry Cough                   | + | + | + | + | 2020-03-05 |
| 51 | B52 | 血清       | 男性        | 56 | 确诊                      | 轻型                              | 头痛 Headache, 发热                          | + | + | + | + | 2020-03-05 |



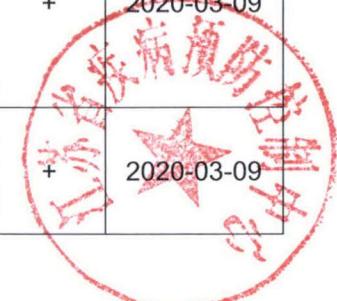
|    |     | Serum    | Male      |    | Definitive Diagnosis    | Mild                          | Fever                         |   |   |   |   |            |
|----|-----|----------|-----------|----|-------------------------|-------------------------------|-------------------------------|---|---|---|---|------------|
| 52 | B53 | 血清 Serum | 男性 Male   | 29 | 确诊 Definitive Diagnosis | 普通型 Regular                   | 发热 Fever, 咳痰 Expectoration    | + | - | - | + | 2020-03-05 |
| 53 | B54 | 血清 Serum | 男性 Male   | 46 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 其他 Other                      | + | + | + | + | 2020-03-05 |
| 54 | B55 | 血清 Serum | 女性 Female | 49 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 其他 Other                      | + | + | + | + | 2020-03-05 |
| 55 | B56 | 血清 Serum | 男性 Male   | 59 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 干咳 Dry Cough, 咽痛 Pharyngalgia | + | + | + | + | 2020-03-05 |
| 56 | B57 | 血清 Serum | 女性 Female | 12 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 其他 Other                      | + | + | + | + | 2020-03-05 |



|    |     |          |           |    |                         |                |   |   |   |   |   |   |            |
|----|-----|----------|-----------|----|-------------------------|----------------|---|---|---|---|---|---|------------|
| 57 | B58 | 血清 Serum | 女性 Female | 51 | 确诊 Definitive Diagnosis | 普通型 Regular    | 发热 Fever,干咳 Dry Cough,咳痰 Expectoration,咽痛 Pharyngalgia          | + | + | + | + | + | 2020-03-05 |
| 58 | B59 | 血清 Serum | 女性 Female | 6  | 确诊 Definitive Diagnosis | 轻型 Mild        | 其他 Other  | + | + | + | + | + | 2020-03-07 |
| 59 | B60 | 血清 Serum | 男性 Male   | 27 | 确诊 Definitive Diagnosis | 普通型 Regular    | 发热 Fever,咳痰 Expectoration                                       | + | + | + | + | + | 2020-03-08 |
| 60 | B61 | 血清 Serum | 男性 Male   | 31 | 确诊 Definitive Diagnosis | 普通型 Regular    | 干咳 Dry Cough  | + | + | + | + | + | 2020-02-28 |
| 61 | B62 | 血清 Serum | 女性 Female | 31 | 确诊 Definitive Diagnosis | 普通型 Regular    | 发热 Fever,咳痰 Expectoration                                       | + | + | + | + | + | 2020-02-28 |
| 62 | B63 | 血清 Serum | 男性 Male   | 52 | 确诊 Definitive Diagnosis | 普通型 Regular    | 发热 Fever,咳痰 Expectoration                                       | + | + | + | + | + | 2020-03-06 |
| 63 | B64 | 血清 Serum | 女性 Female | 49 | 确诊 Definitive Diagnosis | 普通型 Regular    | 发热 Fever,干咳 Dry Cough,咳痰 Expectoration,呕吐 Vomitting,腹泻 Diarrhea | + | + | + | + | + | 2020-03-09 |
| 64 | B65 | 血清 Serum | 女性 Female | 61 | 确诊 Definitive Diagnosis | 无症状感染者 Asympto | 发热 Fever  | + | + | + | + | + | 2020-03-09 |



|    |     |          |            |    |                         |                                 |  |   |   |   |   |            |
|----|-----|----------|------------|----|-------------------------|---------------------------------|--|---|---|---|---|------------|
|    |     |          |            |    |                         | matic Infection                 |  |   |   |   |   |            |
| 65 | B66 | 血清 Serum | 女性 Femal e | 22 | 确诊 Definitive Diagnosis | 无症状感 染者 Asympto matic Infection | 干咳 Dry Cough                           | + | - | - | + | 2020-03-09 |
| 66 | B67 | 血清 Serum | 男性 Male    | 39 | 确诊 Definitive Diagnosis | 无症状感 染者 Asympto matic Infection | 发热 Fever,干咳 Dry Cough,肌肉酸痛 Muscle Pain | + | + | + | + | 2020-03-09 |
| 67 | B68 | 血清 Serum | 男性 Male    | 48 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever                               | + | + | + | + | 2020-03-09 |
| 68 | B69 | 血清 Serum | 女性 Femal e | 40 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 乏力 Feeble                              | + | + | + | + | 2020-03-09 |
| 69 | B70 | 血清 Serum | 男性 Male    | 25 | 确诊 Definitive Diagnosis | 无症状感 染者 Asympto matic Infection | 发热 Fever,干咳 Dry Cough                  | + | + | + | + | 2020-03-09 |
| 70 | B71 | 血清 Serum | 男性 Male    | 57 | 确诊 Definitive Diagnosis | 轻型 Mild                         | 发热 Fever,干咳 Dry Cough                  | + | + | + | + | 2020-03-09 |

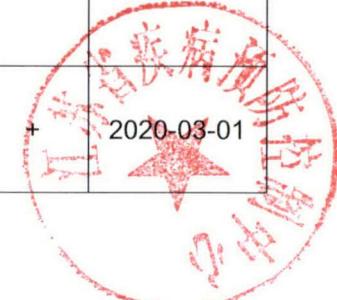


|    |     |             |              |    |                               |   |                               |   |   |   |   |   |            |
|----|-----|-------------|--------------|----|-------------------------------|---|-------------------------------|---|---|---|---|---|------------|
| 71 | B72 | 血清<br>Serum | 男性<br>Male   | 54 | 确诊<br>Definitive<br>Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 其他 Other                      | - | - | - | - | + | 2020-03-09 |
| 72 | B73 | 血清<br>Serum | 女性<br>Female | 25 | 确诊<br>Definitive<br>Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 干咳 Dry Cough                  | + | + | + | + | + | 2020-03-09 |
| 73 | B74 | 血清<br>Serum | 男性<br>Male   | 56 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 咳痰 Expectoration              | + | + | + | + | + | 2020-02-10 |
| 74 | B75 | 血清<br>Serum | 男性<br>Male   | 66 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 发热 Fever, 干咳 Dry Cough        | + | + | + | + | + | 2020-03-04 |
| 75 | B76 | 血清<br>Serum | 女性<br>Female | 53 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 发热 Fever, 咳痰<br>Expectoration | + | + | + | + | + | 2020-03-04 |
| 76 | B77 | 血清<br>Serum | 女性<br>Female | 31 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 发热 Fever                      | + | + | + | + | + | 2020-03-04 |
| 77 | B78 | 血清<br>Serum | 男性<br>Male   | 43 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 发热 Fever                      | + | + | + | + | + | 2020-03-04 |



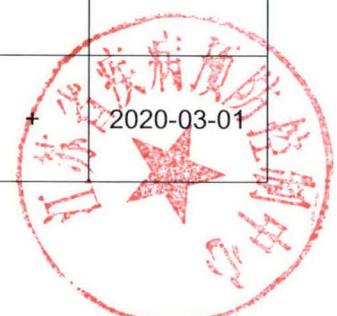
|    |     |          |            |    |                         |                                 |  |   |   |   |   |            |
|----|-----|----------|------------|----|-------------------------|---------------------------------|--|---|---|---|---|------------|
| 78 | B79 | 血清 Serum | 男性 Male    | 57 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever, 干咳 Dry Cough, 呼吸困难 Chest Distressdyspnea, 胸闷, 其他 Other | + | + | + | + | 2020-03-03 |
| 79 | B80 | 血清 Serum | 女性 Femal e | 31 | 确诊 Definitive Diagnosis | 无症状感 染者 Asympto matic Infection | 其他 Other   | + | + | + | + | 2020-03-05 |
| 80 | B81 | 血清 Serum | 男性 Male    | 48 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 其他 Other   | + | + | + | + | 2020-02-11 |
| 81 | B82 | 血清 Serum | 男性 Male    | 56 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 咳痰 Expectoration   | - | + | + | + | 2020-02-10 |
| 82 | B83 | 血清 Serum | 女性 Femal e | 75 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 其他 Other   | + | - | - | + | 2020-02-12 |
| 83 | B84 | 血清 Serum | 男性 Male    | 31 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 干咳 Dry Cough   | + | + | + | + | 2020-02-28 |
| 84 | B85 | 血清 Serum | 女性 Femal e | 31 | 确诊 Definitive Diagnosis | 普通型 Regular                     | 发热 Fever, 咳痰 Expectoration                                       | + | + | + | + | 2020-02-28 |
| 85 | B86 | 血清 Serum | 女性 Femal   | 31 | 确诊 Definitive           | 无症状感 染者                         | 其他 Other   | + | + | + | + | 2020-02-14 |

|    |     |             | e            |    | Diagnosis                     | Asympto<br>matic<br>Infection               |  |   |   |   |   |            |
|----|-----|-------------|--------------|----|-------------------------------|---|--|---|---|---|---|------------|
| 86 | B87 | 血清<br>Serum | 男性<br>Male   | 38 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 咳痰 Expectoration,流<br>涕 Running Nose,咽痛<br>Pharyngalgia,发热<br>Fever    | + | + | + | + | 2020-02-14 |
| 87 | B88 | 血清<br>Serum | 男性<br>Male   | 25 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 发热 Fever   | + | - | - | + | 2020-02-28 |
| 88 | B89 | 血清<br>Serum | 女性<br>Female | 12 | 确诊<br>Definitive<br>Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 其他 Other   | + | + | + | + | 2020-02-28 |
| 89 | B90 | 血清<br>Serum | 女性<br>Female | 6  | 确诊<br>Definitive<br>Diagnosis | 轻型<br>Mild                                  | 其他 Other   | + | + | + | + | 2020-02-10 |
| 90 | B91 | 血清<br>Serum | 男性<br>Male   | 57 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 发热 Fever,干咳 Dry<br>Cough,呼吸困难 Chest<br>Distressdyspnea,胸闷,<br>其他 Other | + | + | + | + | 2020-03-03 |
| 91 | B92 | 血清<br>Serum | 女性<br>Female | 25 | 确诊<br>Definitive<br>Diagnosis | 普通型<br>Regular                              | 发热 Fever   | + | + | + | + | 2020-03-01 |



|    |     |          |           |    |                         |                               |                 |   |   |   |   |            |
|----|-----|----------|-----------|----|-------------------------|-------------------------------|-----------------|---|---|---|---|------------|
| 92 | B93 | 血清 Serum | 女性 Female | 60 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 发热 Fever        | + | + | + | + | 2020-03-01 |
| 93 | B94 | 血清 Serum | 女性 Female | 56 | 确诊 Definitive Diagnosis | 轻型 Mild                       | 其他 Other        | + | + | + | + | 2020-03-01 |
| 94 | B95 | 血清 Serum | 女性 Female | 56 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 咽痛 Pharyngalgia | + | + | + | + | 2020-03-01 |
| 95 | B96 | 血清 Serum | 女性 Female | 65 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 发热 Fever        | + | + | + | + | 2020-03-01 |
| 96 | B97 | 血清 Serum | 女性 Female | 38 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 其他 Other        | - | + | + | + | 2020-03-01 |
| 97 | B98 | 血清 Serum | 女性 Female | 67 | 确诊 Definitive Diagnosis | 无症状感染者 Asymptomatic Infection | 其他 Other        | + | + | + | + | 2020-03-01 |

|     |      |             |              |    |                               |   |  |   |   |   |   |            |
|-----|------|-------------|--------------|----|-------------------------------|---|--|---|---|---|---|------------|
|     |      |             |              |    |                               | matic<br>Infection                          |  |   |   |   |   |            |
| 98  | B99  | 血清<br>Serum | 女性<br>Female | 47 | 确诊<br>Definitive<br>Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 其他 Other                                       | + | + | + | + | 2020-03-01 |
| 99  | B100 | 血清<br>Serum | 女性<br>Female | 62 | 确诊<br>Definitive<br>Diagnosis | 无症状感<br>染者<br>Asympto<br>matic<br>Infection | 其他 Other                                       | + | + | + | + | 2020-03-01 |
| 100 | B101 | 血清<br>Serum | 女性<br>Female | 57 | 确诊<br>Definitive<br>Diagnosis | 轻型<br>Mild                                  | 发热 Fever, 干咳 Dry<br>Cough, 咳痰<br>Expectoration | + | + | + | + | 2020-03-01 |



附件 2：150 确诊病例检测结果；

Attachment 2: 150 Excluded Cases test results;

| 序号<br><b>No.</b> | 试验号<br><b>Experiment No.</b> | 样本类型<br><b>Sample Type</b> | 性别<br><b>Sex</b> | 年龄<br><b>Age</b> | 确诊/排除结果<br><b>Diagnostic Result</b> | 临床诊断背景信息<br><b>Clinical Diagnosis Background</b>                    | 考核试剂检测结果<br><b>Biostest Kit Result</b> |     | 核酸检测结果<br><b>Nucleic Acid Result</b> | 采样时间<br><b>Sample Acquisition Date</b> |
|------------------|------------------------------|----------------------------|------------------|------------------|-------------------------------------|---|--|-----|--------------------------------------|--|
|                  |                              |                            |                  |                  |                                     |   | IgM                                    | IgG |                                      |  |
| 1                | B102                         | 男<br>Male                  | 27               | 血清<br>Serum      | 排除<br>Exclusion                     | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | -                                      | -   | -                                    | 2020/2/4                               |
| 2                | B103                         | 女<br>Female                | 17               | 血清<br>Serum      | 排除<br>Exclusion                     | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | -                                      | -   | -                                    | 2020/2/4                               |
| 3                | B104                         | 男<br>Male                  | 21               | 血清<br>Serum      | 排除<br>Exclusion                     | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | -                                      | -   | -                                    | 2020/2/4                               |
| 4                | B105                         | 女<br>Female                | 59               | 血清<br>Serum      | 排除<br>Exclusion                     | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | -                                      | -   | -                                    | 2020/2/4                               |
| 5                | B106                         | 男<br>Male                  | 52               | 血清<br>Serum      | 排除<br>Exclusion                     | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | -                                      | -   | -                                    | 2020/2/4                               |
| 6                | B107                         | 男<br>Male                  | 2                | 血清<br>Serum      | 排除<br>Exclusion                     | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | -                                      | -   | -                                    | 2020/2/4                               |

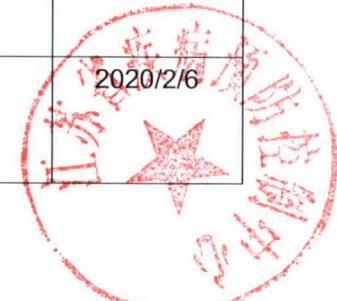
|    |      |             |    |             |                 |  |   |   |   |          |
|----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 7  | B108 | 女<br>Female | 52 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/4 |
| 8  | B109 | 男<br>Male   | 56 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/4 |
| 9  | B110 | 女<br>Female | 52 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/4 |
| 10 | B111 | 男<br>Male   | 36 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/4 |
| 11 | B112 | 男<br>Male   | 12 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/4 |
| 12 | B113 | 女<br>Female | 31 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/4 |
| 13 | B114 | 男<br>Male   | 56 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/4 |
| 14 | B115 | 女<br>Female | 55 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/4 |



|    |      |             |    |             |                 |  |   |   |   |          |
|----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 15 | B116 | 女<br>Female | 32 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5 |
| 16 | B117 | 女<br>Female | 24 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5 |
| 17 | B118 | 男<br>Male   | 68 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5 |
| 18 | B119 | 男<br>Male   | 42 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5 |
| 19 | B120 | 女<br>Female | 8  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5 |
| 20 | B121 | 女<br>Female | 35 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5 |
| 21 | B122 | 女<br>Female | 71 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5 |
| 22 | B123 | 男<br>Male   | 43 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5 |

|    |      |             |    |             |                 |  |   |   |   |   |
|----|------|-------------|----|-------------|-----------------|--|---|---|---|---|
| 23 | B124 | 女<br>Female | 38 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5  |
| 24 | B125 | 男<br>Male   | 7  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5<br><small>未采样</small>  |
| 25 | B126 | 男<br>Male   | 64 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5<br><small>未采样</small>  |
| 26 | B127 | 男<br>Male   | 26 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5  |
| 27 | B128 | 男<br>Male   | 26 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5  |
| 28 | B129 | 女<br>Female | 75 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | + | + | - | 2020/2/5  |
| 29 | B130 | 男<br>Male   | 30 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/5  |
| 30 | B131 | 男<br>Male   | 30 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6<br> |

|    |      |             |    |             |                 |   |   |   |   |          |
|----|------|-------------|----|-------------|-----------------|---|---|---|---|----------|
| 31 | B132 | 男<br>Male   | 30 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 32 | B133 | 男<br>Male   | 34 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | + | - | - | 2020/2/6 |
| 33 | B134 | 女<br>Female | 30 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 34 | B135 | 男<br>Male   | 27 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 35 | B136 | 女<br>Female | 15 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 36 | B137 | 男<br>Male   | 31 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 37 | B138 | 女<br>Female | 16 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 38 | B139 | 女<br>Female | 33 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |

|    |      |             |    |             |                 |  |   |   |   |   |
|----|------|-------------|----|-------------|-----------------|--|---|---|---|---|
| 39 | B140 | 女<br>Female | 34 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 40 | B141 | 女<br>Female | 33 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6<br><small>2020/2/6</small>   |
| 41 | B142 | 女<br>Female | 20 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6<br><small>2020/2/6</small>   |
| 42 | B143 | 女<br>Female | 35 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 43 | B144 | 男<br>Male   | 30 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 44 | B145 | 男<br>Male   | 26 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 45 | B146 | 女<br>Female | 35 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 46 | B147 | 女<br>Female | 27 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6<br> |

|    |      |             |    |             |                 |  |   |   |   |          |
|----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 47 | B148 | 男<br>Male   | 68 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 48 | B149 | 女<br>Female | 61 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 49 | B150 | 女<br>Female | 70 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 50 | B151 | 男<br>Male   | 31 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 51 | B152 | 女<br>Female | 62 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 52 | B153 | 男<br>Male   | 63 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 53 | B154 | 男<br>Male   | 3  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 54 | B155 | 女<br>Female | 9  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |

|    |      |             |    |             |                 |   |   |   |   |   |
|----|------|-------------|----|-------------|-----------------|---|---|---|---|---|
| 55 | B156 | 男<br>Male   | 57 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 56 | B157 | 男<br>Male   | 28 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6<br><small>2020年2月6日</small>  |
| 57 | B158 | 男<br>Male   | 27 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6<br><small>2020年2月6日</small>  |
| 58 | B159 | 女<br>Female | 54 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 59 | B160 | 男<br>Male   | 38 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 60 | B161 | 男<br>Male   | 29 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 61 | B162 | 男<br>Male   | 27 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6  |
| 62 | B163 | 女<br>Female | 26 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6<br> |

|    |      |             |    |             |                 |   |   |   |   |          |
|----|------|-------------|----|-------------|-----------------|---|---|---|---|----------|
| 63 | B164 | 男<br>Male   | 29 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 64 | B165 | 男<br>Male   | 22 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 65 | B166 | 男<br>Male   | 59 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 66 | B167 | 女<br>Female | 55 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 67 | B168 | 男<br>Male   | 22 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 68 | B169 | 女<br>Female | 37 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 69 | B170 | 女<br>Female | 72 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 70 | B171 | 男<br>Male   | 35 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |

|    |      |             |    |             |                 |  |   |   |   |          |
|----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 71 | B172 | 男<br>Male   | 80 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 72 | B173 | 女<br>Female | 20 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | + | - | - | 2020/2/6 |
| 73 | B174 | 女<br>Female | 25 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 74 | B175 | 男<br>Male   | 33 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 75 | B176 | 男<br>Male   | 34 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 76 | B177 | 男<br>Male   | 42 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 77 | B178 | 女<br>Female | 64 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 78 | B179 | 女<br>Female | 86 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |



|    |      |             |    |             |                 |  |   |   |   |          |
|----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 79 | B180 | 男<br>Male   | 57 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 80 | B181 | 女<br>Female | 34 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 81 | B182 | 男<br>Male   | 53 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 82 | B183 | 女<br>Female | 10 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 83 | B184 | 男<br>Male   | 35 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 84 | B185 | 女<br>Female | 21 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 85 | B186 | 女<br>Female | 44 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 86 | B187 | 女<br>Female | /  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |

|    |      |             |    |             |                 |  |   |   |   |          |
|----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 87 | B188 | 男<br>Male   | 31 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 88 | B189 | 女<br>Female | 33 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 89 | B190 | 女<br>Female | 3  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/6 |
| 90 | B191 | 女<br>Female | 50 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 91 | B192 | 男<br>Male   | 6  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 92 | B193 | 女<br>Female | 8  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 93 | B194 | 女<br>Female | 10 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 94 | B195 | 男<br>Male   | 30 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |



|     |      |             |    |             |                 |   |   |   |   |          |
|-----|------|-------------|----|-------------|-----------------|---|---|---|---|----------|
| 95  | B196 | 男<br>Male   | 30 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 96  | B197 | 女<br>Female | 32 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 97  | B198 | 女<br>Female | 56 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 98  | B199 | 女<br>Female | 24 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 99  | B200 | 女<br>Female | 10 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 100 | B201 | 男<br>Male   | 38 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 101 | B202 | 女<br>Female | 35 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 102 | B203 | 女<br>Female | 53 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |



|     |      |             |    |             |                 |   |   |   |   |          |
|-----|------|-------------|----|-------------|-----------------|---|---|---|---|----------|
| 103 | B204 | 女<br>Female | 46 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 104 | B205 | 女<br>Female | 44 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 105 | B206 | 男<br>Male   | 78 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 106 | B207 | 男<br>Male   | 36 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 107 | B208 | 女<br>Female | 34 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 108 | B209 | 女<br>Female | 17 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 109 | B210 | 女<br>Female | 10 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 110 | B211 | 男<br>Male   | 38 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |



|     |      |             |    |             |                 |  |   |   |   |          |
|-----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 111 | B212 | 女<br>Female | 49 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 112 | B213 | 男<br>Male   | 49 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 113 | B214 | 女<br>Female | 39 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 114 | B215 | 女<br>Female | 9  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 115 | B216 | 女<br>Female | 24 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 116 | B217 | 女<br>Female | 29 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 117 | B218 | 男<br>Male   | 44 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 118 | B219 | 男<br>Male   | 13 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |



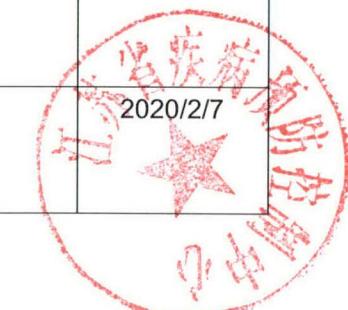
|     |      |             |    |             |                 |   |   |   |   |          |
|-----|------|-------------|----|-------------|-----------------|---|---|---|---|----------|
| 119 | B220 | 女<br>Female | 41 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 120 | B221 | 男<br>Male   | 46 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 121 | B222 | 女<br>Female | 47 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 122 | B223 | 男<br>Male   | 26 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 123 | B224 | 女<br>Female | 41 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 124 | B225 | 男<br>Male   | 18 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 125 | B226 | 男<br>Male   | 43 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 126 | B227 | 男<br>Male   | 33 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例，有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |



|     |      |             |    |             |                 |  |   |   |   |          |
|-----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 127 | B228 | 男<br>Male   | 11 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 128 | B229 | 女<br>Female | 33 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 129 | B230 | 女<br>Female | 4  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 130 | B231 | 女<br>Female | 32 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 131 | B232 | 男<br>Male   | 38 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 132 | B233 | 男<br>Male   | 46 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 133 | B234 | 女<br>Female | 50 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 134 | B235 | 男<br>Male   | 36 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |



|     |      |             |    |             |                 |  |   |   |   |          |
|-----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 135 | B236 | 女<br>Female | 61 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 136 | B237 | 男<br>Male   | 75 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 137 | B238 | 女<br>Female | 52 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 138 | B239 | 女<br>Female | 75 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 139 | B240 | 男<br>Male   | 74 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 140 | B241 | 男<br>Male   | 44 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 141 | B242 | 女<br>Female | 44 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 142 | B243 | 男<br>Male   | 22 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |



|     |      |             |    |             |                 |  |   |   |   |          |
|-----|------|-------------|----|-------------|-----------------|--|---|---|---|----------|
| 143 | B244 | 女<br>Female | 65 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 144 | B245 | 女<br>Female | 40 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 145 | B246 | 男<br>Male   | 40 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 146 | B247 | 男<br>Male   | 13 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/7 |
| 147 | B248 | 女<br>Female | 4  | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | + | - | - | 2020/2/7 |
| 148 | B249 | 男<br>Male   | 44 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/8 |
| 149 | B250 | 男<br>Male   | 18 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/8 |
| 150 | B251 | 女<br>Female | 10 | 血清<br>Serum | 排除<br>Exclusion | 疑似病例, 有接触史<br>Suspicious patient with the infections contact history | - | - | - | 2020/2/8 |

结束 End

