

**Response to Reviewer comment:**

1. **Core tips; replace “ ... specificity and accuracy of IgM/IgG combined tests” with “... specificity, sensitivity, and accuracy of IgM/IgG combined tests”.**

**Answer:** Thank you very much for your kind suggestion. This is a very important issue.

According to the reviewer’s suggestion, we have replaced “ ... specificity and accuracy of IgM/IgG combined tests” with **“With RT-PCR results as a reference, the specificity, sensitivity, and accuracy of IgM/IgG combined tests”**.

The revised sentence is **“With RT-PCR results as a reference, the specificity, sensitivity, and accuracy of IgM/IgG combined tests for SARS-CoV-2 infection were 98.5%, 95.8%, and 97.1%, respectively”** .

2. **Core tips last sentence add “Our data indicates that serological IgM/IgG combined test can be used in combination with RT-PCR for diagnosis of SARS-CoV-2 infection”**

**Answer:** Thank you very much for your kind suggestion. According to the reviewer’s suggestion, we have added “Our data indicates that serological IgM/IgG combined test can be used in combination with RT-PCR for diagnosis of SARS-CoV-2 infection” as last sentence.

3. **Abstract; replace “ (SARS-CoV)-2 infections has highlighted the necessity for readily...” with this “...(SARS-CoV)-2 infections represents an urgent need for readily available...”.**

**Answer:** Thank you very much for your kind suggestion. According to the reviewer’s suggestion, we have replaced “ (SARS-CoV)-2 infections has highlighted the necessity for readily...” with “...(SARS-CoV)-2 infections represents an urgent need for readily available...” in the abstract part.

The revised sentence is **“The global outbreak of human severe acute respiratory syndrome coronavirus (SARS-CoV)-2 infections represents an urgent need for readily available, accurate and rapid diagnostic tests.”**

4. **It is essential to report all catalog numbers for the used antibodies/detection kits described in this study. The tests may be requested and repeated by other scientists worldwide. Therefore, catalog number for the used reagents is essential to report. Authors should add catalog number in this section : “The SARS-CoV-2 Antibody Test Kit (catalog #??? colloidal gold) was obtained from Innovita (Tangshan) Biotechnology Co. Ltd. (Tangshan, China), with two antigens (spike and nucleocapsid proteins, cat#???) of SARS-CoV-2 coated on the surface of the colloid gold particles. The SARS-CoV-2 nucleic acid detection kit (cat #???fluorescent PCR) was purchased from Shanghai Zhijiang Biotechnology Co. Ltd. (Shanghai, China)...**

**Answer:** Thank you very much for your kind suggestion. According to the reviewer’s suggestion, we have added catalog number in this section: The SARS-CoV-2 Antibody Test Kit (**catalog # 20203400177**, colloidal gold) was obtained from Innovita (Tangshan) Biotechnology Co. Ltd. (Tangshan, China), with **the recombinant SARS-CoV-2 antigen** coated on the surface of the colloid gold particles. The SARS-CoV-2 nucleic acid detection kit (**catalog # 20203400057, fluorescent PCR**) was purchased from Shanghai Zhijiang Biotechnology Co. Ltd. (Shanghai, China).

**No catalog numbers about the recombinant SARS-CoV-2 antigen** coated on the surface of the colloid gold particles were found from the instruction for SARS-CoV-2 Antibody Test (Colloidal Gold)

5. **Summary; replace “ It can be used as a detection tool in combination with RT-PCR in the diagnosis of SARS-CoV-2 infection in epidemic areas.” With this “ Our data indicates that the antibody-based test can be used as a detection tool in combination with RT-PCR in the diagnosis of SARS-CoV-2 infection in epidemic areas.**

**Answer:** Thank you very much for your kind suggestion. This is a very important issue. According to the reviewer’s suggestion, we have replaced “ It can be used as a detection tool in combination with RT-PCR in the diagnosis of SARS-CoV-2 infection in epidemic areas.” with “ Our data indicates that the antibody-based test can be used as a detection tool in combination with RT-PCR in the diagnosis of SARS-CoV-2 infection in epidemic areas.

**6.**