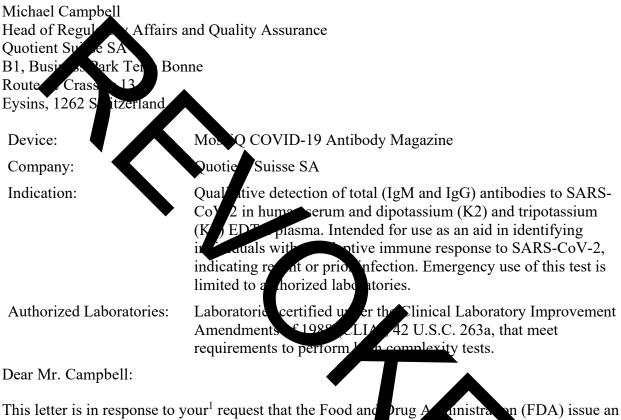


September 25, 2020



Emergency Use Authorization (EUA) for emergency use of your product,² put dant to Section 564 of the Federal Food, Drug, and Cosmetic Act (the Act) (20 J.S.C. §, 10bbb-3)

On February 4, 2020, pursuant to Section 564(b)(1)(C) of the Act, by Secretary of the Department of Health and Human Services (HHS) determined that there is a public heal emergency that has a significant potential to affect national security or the health and so urity of United States citizens living abroad, and that involves the virus that causes a VID . Pursuant to Section 564 of the Act, and on the basis of such determination, the Secretary of HHS then declared that circumstances exist justifying the authorization of emergency use of in vitro diagnostics for detection and/or diagnosis of the virus that causes COVID-19 subject to the terms of any authorization issued under Section 564(a) of the Act.³

¹ For ease of reference, this letter will use the term "you" and related terms to refer to Quotient Suisse SA.

² For ease of reference, this letter will use the term "your product" to refer to the MosaiQ COVID-19 Antibody Magazine for the indication identified above.

³ U.S. Department of Health and Human Services, *Determination of a Public Health Emergency and Declaration that Circumstances Exist Justifying Authorizations Pursuant to Section 564(b) of the Federal Food, Drug, and*

FDA considered the totality of scientific information available in authorizing the emergency use of your product for the indication above. A summary of the performance information FDA relied upon is contained in the Instructions for Use (identified below).

Having concluded that the criteria for issuance of this authorization under Section 564(c) of the Act are met, I am authorizing the emergency use of your product, described in the Scope of Authorization of this letter (Section II), subject to the terms of this authorization.

I. Criteria for ssance of Authorization

I have oriclused that the emergency use of your product meets the criteria for issuance of an authorization update etion 564(c) of the Act, because I have concluded that:

- 1. The SuRS-Could can chose a serious or life-threatening disease or condition, including source aspiratory illness, to humans infected by this virus;
- 2. Based on the stality of sciencific evidence available to FDA, it is reasonable to believe that your product may be exective in diagnosing recent or prior infection with SARS-CoV-2 by identifying individuals with an adaptive immune response to the virus that causes COVID-19, and pat it known and potential benefits of your product when used for such use, outweigh the known are potential brisks of your product; and
- 3. There is no adequate, approved, d available a ernative to the emergency use of your product.⁴

II. Scope of Authorization

I have concluded, pursuant to Section 564(d)(1) of Me Act, hat the score of this authorization is limited to the indication above.

Authorized Product Details

Your product is a qualitative test intended for the detection of total (IgM and Igfa and bodies to SARS-CoV-2 in human serum and dipotassium (K2) and tripotassium (K3) For TA plass a using the MosaiQ 125 instrument. The product is intended for use as an aid in identifying individuals with an adaptive immune response to SARS-CoV-2, indicating recent or prior infection. At this time, it is unknown for how long antibodies persist following infection and the presence of antibodies confers protective immunity.

The MosaiQ COVID-19 Antibody Magazine is a solid-phase photometric immunoassay performed on single use microarrays for use on the automated MosaiQ 125 instrument. The magazine contains preprinted single use microarrays containing probes of SARS-CoV-2 antigens and controls. The MosaiQ 125 instrument dispenses serum or plasma and MosaiQ Sample Diluent 2 into the

Cosmetic Act, 21 U.S.C. § 360bbb-3. 85 FR 7316 (February 7, 2020).

⁴ No other criteria of issuance have been prescribed by regulation under Section 564(c)(4) of the Act.

COVID-19 panel at the required dilution. The resulting suspension dissolves the preservative coating and exposure of the printed SARS-CoV-2 antigens on the substrate surface to any antibodies present in the specimen. An incubation step then allows the antibodies to bind the printed antigens for which they have affinity. The COVID-19 panel is then washed with MosaiQ Wash Buffer 1 to remove excess antibodies. MosaiQ Detection Reagent 1, a solution containing gold-conjugated secondary antibody, is then added in order to bind to human IgG and IgM antibodies which have bound to specific antigens on the COVID-19 panel. A second wash process with MosaiQ Wash Buffer 1 removes excess detection reagent, while an additional wash with MosaiQ W h Buffer 2 removes excess chloride ions which may interfere with subsequent Finally, addition of MosaiQ Enhancement Reagents 1 and 2 (containing signal develor s and reaction promotor) which bind specifically the gold nanoparticles on the silver parti dy, realts in a colorimetric reaction. The reaction is stopped upon addition of second? and purified water imaging with the integrated camera. The MosaiQ 125 instrument is Q 25 User Manual." accompanied b the "Mo

Your product requires the llowing controls that are included on the microarray:

- Negative control proberty buffer solution; used to confirm that non-specific binding is not out wring across the panel
- Positive control both he serum albumin conjugated with gold nanoparticles; used to confirm that all regents but to been added by the instrument and to aid as a reference for imagener asis
- Positive control monoclonal acti-E ant odies (mouse monoclonal antibodies); used to control that the detersion reagent his been added to the assay

Your product also requires the following a thorized opernal dositive and negative controls which are not supplied as part of the kit but a compared to the user or other authorized control material (refer to Condition K below):

- Negative Control: Serum or plasma samples ellected prof. September 2019 with non-reactive status confirmed by testing as a routile samp.
- Positive Control: Serum or plasma samples from individuals that have been previously diagnosed with a positive PCR result from an one or nasor aryngeal sample and at least 14 days have passed since the one t of symptoms. Confirm reactive status by testing as a routine sample.

Your product also requires the use of additional authorized materials and authorized anallary reagents that are not included with your product and are described in the Instruction for Use.

Your above described product, is authorized to be accompanied with labeling entitled "MosaiQ COVID-19 Antibody Magazine Instructions for Use" (available at <u>https://www.fda.gov/medical-devices/coronavirus-disease-2019-covid-19-emergency-use-authorizations-medical-devices/vitro-diagnostics-euas</u>), and the following product-specific information pertaining to the emergency use, which is required to be made available to healthcare providers and recipients:

- Fact Sheet for Healthcare Providers: Quotient Suisse SA MosaiQ COVID-19 Antibody Magazine
- Fact Sheet for Recipients: Quotient Suisse SA MosaiQ COVID-19 Antibody Magazine

The above described product, when accompanied by the Instructions for Use (identified above) and the two Fact Sheets (collectively referenced as "authorized labeling") is authorized to be distributed to and used by authorized laboratories under this EUA, despite the fact that it does not meet certain requirements otherwise required by applicable federal law.

I have concluded, purposent to Section 564(d)(2) of the Act, that it is reasonable to believe that the known and potential benefits of your product, when used consistent with the Scope of Authorization of the ter (Section II), outweigh the known and potential risks of your product.

I have concluded, pursuant to Section 564(d)(3) of the Act, based on the totality of scientific evidence available to D, that it a reasonable to believe that your product may be effective in diagnosing recent a prior in action with SARS-CoV-2 by identifying individuals with an adaptive immune response to the visus that causes COVID-19, when used consistent with the Scope of Authorization of this letter (Section II), pursuant to Section 564(c)(2)(A) of the Act.

FDA has reviewed the scientific information available to FDA, including the information supporting the conclusions described in Section 1 above, and concludes that your product (as described in the Scope of Authorization of this letter (Section II) meets the criteria set forth in Section 564(c) of the Act concerning safely and potential effectiveness.

The emergency use of your product under this EUA pust be consistent with, and may not exceed, the terms of this letter, including the Scope of Approximation (Section II) and the Conditions of Authorization (Section IV). Subject to the terms of this EUA and under the circumstances set forth in the Secretary of HHS's determination under Station 564(b)(1)(C) of the Act described above and the Secretary of HHS's corresponding a planar in under Section 564(b)(1) of the Act, your product is authorized for the induction product.

III. Waiver of Certain Requirements

I am waiving the following requirements for your product during the duration of this EU

• Current good manufacturing practice requirements, including the quality system requirements under 21 CFR Part 820 with respect to the design, manufactur, prackaging, labeling, storage, and distribution of your product, but excluding Subpart H (Acceptance Activities, 21 CFR 820.80 and 21 CFR 820.86), Subpart I (Nonconforming Product, 21 CFR 820.90), and Subpart O (Statistical Techniques, 21 CFR 820.250).

IV. Conditions of Authorization

Pursuant to Section 564(e) of the Act, I am establishing the following conditions on this authorization:

Quotient Suisse SA (You) and Authorized Distributor(s)⁵

- A. Your product must comply with the following labeling requirements under FDA regulations: the intended use statement (21 CFR 809.10(a)(2), (b)(2)); adequate directions for use (21 U.S.C. 352(f)), (21 CFR 809.10(b)(5), (7), and (8)); appropriate limitations on the use of the device including information required under 21 CFR 809.10(a)(4); and any available information regarding performance of the device, including requirements under 21 CFR 809.10(b)(12).
- B. You are as horized distributor(s) will make your product available with the authorized labeling to autoprized laboratories.
- C. You an a contract distributor(s) will make available on your website(s) the Fact Sheet for Heathcare Provide and the Fact Sheet for Recipients.
- D. You and autorize distributor(s) will inform authorized laboratories and relevant public heat authorizes of the EUA, including the terms and conditions herein, and any updates in the to your public, and authorized labeling.
- E. Through a process of investory consol, you and authorized distributor(s) will maintain records of the authorized all catories to which they distribute the test and number of tests they distribute.
- F. You and authorized distributor(s) will collect information on the performance of your product. You will report to FDA any suspected occurrence of false positive and false negative results and significant device perform the established performance characteristics of the product of which you become any product.
- G. You and authorized distributor(s) are authorized to take available additional information relating to the emergency use of your product the is consistent with, and does not exceed, the terms of this letter of authorized on.

Quotient Suisse SA (You)

- H. You will notify FDA of any authorized distributor(s) of your product, including name, address, and phone number of any authorized distributor(s).
- I. You will provide authorized distributor(s) with a copy of this EUA and communicate to authorized distributor(s) any subsequent amendments made to this EUA and its authorized accompanying materials (e.g., Fact Sheets).

⁵ "Authorized Distributor(s)" are identified by you, Quotient Suisse SA, in your EUA submission as an entity allowed to distribute your device.

- J. You will comply with the following requirements under FDA regulations: Subpart H (Acceptance Activities, 21 CFR 820.80 and 21 CFR 820.86), Subpart I (Nonconforming Product, CFR 820.90), and Subpart O (Statistical Techniques, 21 CFR 820.250).
- K. You may request changes to this EUA for your product, including to the Scope of Authorization (Section II in this letter) or to the authorized labeling, including requests to make available additional authorized labeling specific to an authorized distributor. Such additional labeling may use another name for the product but otherwise must be consister with the authorized labeling, and not exceed the terms of authorization of this letter. equest for changes to this EUA should be submitted to the Division of biology OMD)/Office of Health Technology 7 (OHT7)-Office of In Vitro Mi tics an Radiological Health (OIR)/Office of Product Evaluation and Quality agn OPEO for Devices and Radiological Health (CDRH) and require appropriate authori tion fror D prior to implementation.
- L. You will evaluate the performance and assess traceability⁶ of your product with any FDA-recoil mended a Gerence inaterial(s) or established panel(s) of characterized clinical spectrums. After submission to and concurrence with the data by FDA, you will update your labeling to reflect the additional testing. Such labeling updates will be made in consultation with, and equire concurrence of, DMD/OHT7-OIR/OPEQ/CDRH.
- M. You will have a process in place to take advice events, including any occurrence of false results, and report to FDA presuant to 21 FR Part 803.
- N. You must have lot release procedures and the fact release procedures, including the study design and statistical power, must ensure the these released for distribution have the clinical and analytical performance claimed in the outborized labeling.
- O. If requested by FDA, you must submit lot release procedures tateDA, including sampling protocols, testing protocols, and acceptance criteria that you use to release lots of your product for distribution in the U.S. If such at release procedure are requested by FDA, you must provide it within 48 hours of the remest.
- P. You will complete the agreed upon real-time stability study for your abduct. After submission to and concurrence with the data by FDA, you will update your labeling to reflect the additional testing. Such labeling updates will be made a consultation with, and require concurrence of, DMD/OHT7-OIR/OPEQ/CDRH.
- Q. You will make available a SARS-CoV-2 antibody Positive Control and a Negative Control with reactivity levels sufficient to serve as proper control for the performance of your product. After submission to and concurrence with the data by FDA, you will update your labeling to reflect the additional testing by October 25, 2020. Such labeling updates will be made in consultation with, and require concurrence of, DMD/OHT7-OIR/OPEQ/CDRH.

⁶ Traceability refers to tracing analytical sensitivity/reactivity back to an FDA-recommended reference material.

Authorized Laboratories

- R. Authorized laboratories using your product will include with test result reports, all authorized Fact Sheets. Under exigent circumstances, other appropriate methods for disseminating these Fact Sheets may be used, which may include mass media.
- S. Authorized laboratories will use your product as outlined in the authorized labeling. Deviations from the authorized procedures, including the authorized clinical specimen types, authorized control materials, authorized other ancillary reagents and authorized materials in unred to use your product are not permitted.
- T. A concized laboratories that receive your product will notify the relevant public health authority of their intent to run your product prior to initiating testing.
- U. Author ed laboratories and your product will have a process in place for reporting test results o heraical providers and relevant public health authorities, as appropriate.
- V. Authorized happatories will collect information on the performance of your product and report to DMD/ HT7-OIR OPEQ/CDRH (via email: <u>CDRH-EUA-</u><u>Reporting@fda.hhs.gov</u>) and to your <u>Laps://quotientbd.com/page/contact</u>) any suspected occurrence of false positive of the product and significant deviations from the established performance maracteristic or your product of which they become aware.
- W. All laboratory personnel using your product must be appropriately trained in automated immunoassay techniques and use appropriate h foratory and personal protective equipment when handling this kit, a cluse year product in accordance with the authorized labeling. All laboratory personnel using the assay must also be trained in and be familiar with the interpretation of results on the product.

Quotient Suisse SA (You), Authorized Distributors and Authorized La pratories

X. You, authorized distributors, and authorized laboratoric using your product will ensure that any records associated with this EUA are maintained until otherwise duffed by FDA. Such records will be made available to FDA for inspection upopulguest.

Conditions Related to Printed Materials, Advertising and Promotion

- Y. All descriptive printed matter, including advertising and promotional sectors, relating to the use of your product, shall be consistent with the authorized labeling, as well as the terms set forth in this EUA and the applicable requirements set forth in the Act and FDA regulations.
- Z. No descriptive printed matter, including advertising or promotional materials, relating to the use of your product, may represent or suggest that this test is safe or effective for the detection of SARS-CoV-2.
- AA. All descriptive printed matter, including advertising and promotional materials, relating

to the use of your product, shall clearly and conspicuously state that:

- This test has not been FDA cleared or approved;
- This test has been authorized by FDA under an EUA for use by authorized laboratories;

This ten is only authorized for the duration of the declaration that circumstances sist julifying the authorization of emergency use of in vitro diagnostics for the end of the end of the control of the end of

The emergency use of your product a described in this letter of authorization must comply with the conditions an all other terms of this authorization.

V. Duration of Authorization

This EUA will be effective until the declaration that corrumstances exist justifying the authorization of the emergency use of in a tro diagnostics for detection and/or diagnosis of COVID-19 is terminated under Section 5.4(b)(2) of the Act or the EUA is revoked under Section 564(g) of the Act.

Sincer y,

RADM Denise M. Anton Chief Scientist Food and Drug Administration

Enclosures