

United States District Court  
Northern District of California

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UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA  
SAN JOSE DIVISION

UNITED STATES OF AMERICA,  
Plaintiff,  
v.  
ELIZABETH A. HOLMES,  
Defendant.

Case No. [5:18-cr-00258-EJD-1](#)

**ORDER RE: HOLMES’ MOTION TO EXCLUDE EXPERT OPINION TESTIMONY OF DR. STEPHEN MASTER UNDER RULES 401-403 AND 702**

Defendants Elizabeth Holmes (“Holmes”) and Ramesh “Sunny” Balwani (“Balwani”) are charged with wire fraud, in violation of 18 U.S.C. § 1343, and conspiracy to commit wire fraud, in violation of 18 U.S.C. § 1349. The charges stem from Defendants’ allegedly deceptive representations about their company, Theranos, and its technology. Pending before the Court is Holmes’ motion to exclude expert opinion testimony of Dr. Stephen Master under Federal Rules of Evidence 401-403 and 701. (“Mot.”), Dkt. No. 560. Having had the benefit of oral argument and having considered the parties’ papers, the Court **DENIES IN PART** and **DEFERS IN PART** Holmes’ motion to exclude Dr. Master’s expert opinion testimony. Specifically, the Court will not exclude Dr. Master’s opinions regarding industry standards and the Vitamin D assay, and will defer ruling on the balance of Holmes’ motion to exclude pending a *Daubert* hearing.

**I. BACKGROUND**

**A. DR. STEPHEN MASTER**

In support of its case, the Government offers Dr. Stephen Master as an expert in clinical

1 pathology and chemistry. Specifically, Dr. Master was retained to provide opinions on whether  
 2 Theranos was market ready and able to produce accurate and reliable fingerstick results for tests  
 3 such as Vitamin D, chloride, potassium, bicarbonate, HIV, HbA1c, hCG, cholesterol, calcium, and  
 4 sodium. *See* Declaration of Amy Mason Saharia In Support Of Ms. Holmes’ Motions In Limine  
 5 And Daubert Motions To Exclude Expert Testimony (“Saharia Decl.”) Ex. 6 (Expert Report of  
 6 Stephen Master, MD, PhD, FCAP, FAACC (“Master Report”)), Dkt. No. 580-5 at 2-3.

7 Dr. Master is the Chief of Clinical Chemistry Laboratory Services at Weil Cornell  
 8 Medicine and New York Presbyterian Hospital. Master Report at 1. He also currently serves as  
 9 Chief of the Division of Laboratory Medicine and Medical Director of the Michael Palmieri  
 10 Laboratory for Metabolic and Advanced Diagnostics at the Children’s Hospital of Philadelphia,  
 11 and as an Associate Professor of Pathology and Laboratory Medicine at the Perelman School of  
 12 Medicine, University of Pennsylvania. *Id.* He is a Fellow of the College of American  
 13 Pathologists and President-Elect of the Board of Directors of the American Association for  
 14 Clinical Chemistry. Dr. Master holds both an MD and a PhD (in cell and molecular biology) from  
 15 the University of Pennsylvania School of Medicine.

## 16 **B. THE MASTER REPORT**

17 Dr. Master’s twenty-page report sets forth two primary opinions regarding (1) Theranos’  
 18 adherence to industry standards and (2) the accuracy and reliability of specific Theranos blood  
 19 tests.

### 20 **i. Industry Standards**

21 First, Dr. Master sets forth general background principles regarding how blood tests are  
 22 performed, how the performance of a laboratory test is measured, and the regulatory framework in  
 23 which laboratories operate. Master Report at 3-11. Specifically, Dr. Master explains that there are  
 24 two basic concepts that characterize the performance of a laboratory test: accuracy and precision.  
 25 Accuracy refers to “how close the result comes to the ‘true’ amount of the analyte”—*i.e.*, the  
 26 substance being tested— “in a blood sample.” *Id.* at 6. Precision, according to Dr. Master, refers

1 to the degree to which a test produces the same result when it measures the same sample multiple  
2 times. *Id.* at 6-7. In other words, “in order to produce accurate and reliable results, a clinical  
3 assay must typically agree with the accepted results from a gold standard (accuracy), and it also  
4 must be able to do this reproducibly (reliab[ility]).” *Id.* at 12. Because Dr. Master was retained to  
5 opine only on Theranos’ fingerstick tests, he expressly disclaims offering any opinions on the  
6 many tests that Theranos performed on “traditional venous samples on FDA-approved or cleared  
7 instruments from third-party vendors.” *Id.* at 11.

8 Dr. Master then gives an overview of the regulatory framework that applies to clinical  
9 laboratories. *Id.* at 8-11. He explains that “clinical testing is regulated by the Clinical Laboratory  
10 Improvements Amendments (“CLIA”), which specifies the legal requirements for engaging in  
11 medical testing and is broadly administered under the Center for Medicare and Medicaid Services  
12 (“CMS”). He notes that CLIA requires laboratories to perform certain experiments to ensure their  
13 tests are suitable for clinical use, including proficiency testing, quality control checks, establishing  
14 and verifying reference ranges, and other validations of accuracy and precision. *Id.* at 8-10.

15 Based on “publicly available information, scholarly research, and materials produced in  
16 discovery in this case,” Dr. Master concludes that “Theranos did not adhere to normal industry  
17 standards for clinical laboratory testing from 2013-2015.” *Id.* at 17. He stated that “[r]unning  
18 patient samples when QC is giving values out of the acceptable range directly impacts the  
19 accuracy and reliability of the results that are returned to the patient or clinician.” *Id.* He opined  
20 further that “Theranos did not appropriately engage in proficiency testing,” and that this had the  
21 potential to adversely affect the accuracy of its results. *Id.* at 18.

## 22 **ii. Theranos Blood Tests**

23 Second, Dr. Master opines about Theranos blood tests. To form his opinions, he reviewed  
24 materials provided in discovery in this case, including the Center for Medicare and Medicaid  
25 Services survey report (“CMS Report”), which included data from three Theranos devices,  
26 covering quality control data for approximately 30 days in 2014, the Icahn School of Medicine

1 Report (“Icahn Report”), “frequent complaints from customers according to internal Theranos  
2 emails,” and other internal Theranos emails and documents. *Id.* at 15-16.

3 Based on those documents, Dr. Master concludes “Theranos was not market ready and able  
4 to produce accurate and reliable fingerstick results for tests such as Vitamin D, chloride,  
5 potassium, bicarbonate, cholesterol, and sodium.” Master Report at 12. He opines further “there  
6 are substantial questions about the ability of their laboratory to provide patient-appropriate results  
7 for calcium, HIV, HbA1c, and hCG,” but notes that “there are insufficient additional details in the  
8 material I have reviewed to determine the cause of these issues, the relationship to either the  
9 sample type or Theranos technology, or the resolution of the problems.” *Id.* at 12, 15.

## 10 **II. LEGAL STANDARD**

11 Under Rule 702, expert testimony is admissible only when it (1) “will help the trier of fact  
12 to understand the evidence or to determine a fact in issue”; (2) “is based on sufficient facts or  
13 data”; (3) “is the product of reliable principles and methods”; and (4) the expert has “reliably  
14 applied the principles and methods to the facts of the case.” Fed. R. Evid. 702; *see Daubert v.*  
15 *Merrell Dow Pharm., Inc.*, 509 U.S. 579, 589-90 (1993). An expert witness may be qualified by  
16 “knowledge, skill, experience, training, or education.” Fed. R. Evid. 702. To be considered  
17 reliable, scientific opinions must be based on scientifically valid principles. *Daubert*, 509 U.S. at  
18 589. The proponent of expert testimony has the burden of proving admissibility in accordance  
19 with Rule 702.

20 Under *Daubert*, the Court exercises a gatekeeping function to ensure an expert’s proffered  
21 testimony is relevant and reliable. *United States v. Valencia-Lopez*, 971 F.3d 891, 897-98 (9th  
22 Cir. 2020). “[T]he case law—particularly Ninth Circuit case law—emphasizes that a trial judge  
23 should not exclude an expert opinion merely because he thinks it’s shaky, or because he thinks the  
24 jury will have cause to question the expert’s credibility. So long as an opinion is premised on  
25 reliable scientific principles, it should not be excluded by the trial judge.” *Optronix Techs., Inc. v.*  
26 *Ningbo Sunny Elec. Co.*, No. 5:16-CV-06370-EJD, 2019 WL 4780183, at \*1 (N.D. Cal. Sept. 30,

1 2019) (citing *In re Roundup Prods. Liab. Litig.*, 2018 WL 3368534 (N.D. Cal. July 20, 2018).  
 2 “Rule 702 and *Daubert* are not ‘guarantees of correctness;’ rather, they are safeguards against  
 3 unreliable or irrelevant expert opinions.” *NetFuel, Inc. v. Cisco Sys. Inc.*, No. 5:18-CV-02352-  
 4 EJD, 2020 WL 1274985, at \*2 (N.D. Cal. Mar. 17, 2020) (quoting *i4i Ltd. P’ship v. Microsoft*  
 5 *Corp.*, 598 F.3d 831, 855 (Fed. Cir. 2010)).

### 6 **III. DISCUSSION**

7 Holmes argues that Dr. Master’s opinions about the reliability and accuracy of Theranos  
 8 blood tests, as well as his opinions about Theranos’ compliance with industry standards, should be  
 9 excluded. Holmes also argues that Dr. Master is unqualified to opine on fingerstick technology.

#### 10 **A. QUALIFICATIONS**

11 The parties agree that Dr. Master is qualified to opine about laboratory practices and  
 12 clinical pathology generally, and the Court agrees. Holmes argues, however, that Dr. Master is not  
 13 qualified to provide opinions on “the accuracy or reliability of fingerstick testing on Theranos  
 14 devices” specifically. Mot. at 24. While Holmes acknowledges Dr. Master’s significant training  
 15 and experience in clinical pathology and chemistry, she argues that he “does not identify any  
 16 relevant experience with fingerstick blood testing” and “does not claim to have any knowledge of  
 17 Theranos’ proprietary technology.” Mot. at 24.

18 “Experts are not required to have previous experience with the product at issue.” *In Re:*  
 19 *Macbook Keyboard Litigation*, No. 5:18-CV-02813-EJD, 2021 WL 1250378, at \*6 (N.D. Cal.  
 20 Apr. 5, 2021) (quoting *Czuchaj v. Conair Corp.*, No. 313CV01901BENRBB, 2016 WL 4414673,  
 21 at \*3 (S.D. Cal. Aug. 19, 2016)); *see also Abaxis, Inc. v. Cepheid*, No. 10-CV-02840-LHK, 2012  
 22 WL 2979019, at \*3 (N.D. Cal. July 19, 2012) (“Rule 702 imposes no requirement that experts  
 23 have personal experience in an area to offer admissible testimony relating to that area”). Dr.  
 24 Master is board certified in Clinical Pathology by the American Board of Pathology, and  
 25 fingerstick blood testing falls within the discipline of Clinical Pathology. His responsibilities as  
 26 Laboratory Director and Chief of Clinical Laboratory Services at multiple hospitals over more

1 than a decade undoubtedly included oversight of fingerstick testing. The Court finds that Dr.  
 2 Master need not have extensive personal knowledge in fingerstick testing, nor in Theranos’  
 3 technology specifically, to offer a helpful and reliable opinion about the accuracy and reliability of  
 4 such testing.

5 **B. INDUSTRY STANDARDS**

6 Holmes seeks to exclude Dr. Master’s testimony and opinions about Theranos’ laboratory  
 7 practices. Specifically, Dr. Master opines “Theranos did not adhere to normal industry standards  
 8 for clinical laboratory testing from 2013-2015,” and that “this lack of adherence had the potential  
 9 to adversely impact test accuracy and reliability.” Master Report at 17. Holmes argues that these  
 10 opinions should be excluded because they constitute impermissible legal opinions and because  
 11 they will not be helpful to the jury.

12 First, Holmes argues that Dr. Master’s opinions about Theranos’ compliance with industry  
 13 standards rest on his interpretation of federal law and its application to Theranos. Dr. Master  
 14 indeed explains the “legal requirements” for clinical testing under CLIA and relevant U.S. Food  
 15 and Drug Administration (“FDA”) regulations as part of the background necessary to understand  
 16 how and why laboratories operate the way they do. He concludes that Theranos did not adhere to  
 17 normal industry standards for laboratory testing because (1) it did not prevent patient samples  
 18 from being run on devices where the quality control indicated that the device was operating  
 19 improperly, (2) it did not appropriately engage in any proficiency testing, and (3) it did not add a  
 20 disclaimer to its laboratory developed tests—a designation that encompasses all Theranos tests—  
 21 indicating that the test was not FDA approved or cleared.

22 Holmes argues that Dr. Master’s “subjective, non-lawyer interpretation of what federal law  
 23 requires and how it applies to Theranos are ‘inappropriate subjects for expert testimony.’” Mot. at  
 24 19 (quoting *Aguilar v. Int’l Longshoremen’s Union Local No. 10*, 966 F.2d 443, 447 (9th Cir.  
 25 1992)). Holmes maintains that, because Dr. Master is not a lawyer, he is not qualified to provide a  
 26 legal opinion about what Theranos was or was not legally obligated to do under CLIA and FDA

1 regulations. And even if he was so qualified, Holmes argues that it is not permissible for expert  
2 testimony to “prescribe legal standards to apply to the facts of the case” or to opine on “legal  
3 compliance in the language of ‘industry practice.’” Mot. at 20 (citing *In re Rezulin Prod. Liab.*  
4 *Litig.*, 309 F. Supp. 2d at 558 (“testimony encompassing an ultimate legal conclusion based upon  
5 the facts of the case is not [admissible] and may not be made so simply because it is presented in  
6 terms of industry practice”)).

7 The Government argues that Dr. Master is not prohibited from testifying about industry  
8 standards, of which he has extensive knowledge, merely because federal regulations form part of  
9 those standards. The Ninth Circuit has permitted experts to testify about industry standards even  
10 where the testimony “relie[s] in part on [the expert’s] understanding of the requirements of . . .  
11 law.” *Hangerter v. Provident Life & Accident Ins. Co.*, 373 F.3d 998, 1017 (9th Cir. 2004) (“[A]  
12 witness may refer to the law in expressing an opinion without that reference rendering the  
13 testimony inadmissible. Indeed, a witness may properly be called upon to aid the jury in  
14 understanding the facts in evidence even though reference to those facts is couched in legal  
15 terms”) (quoting *Specht v. Jensen*, 853 F.2d 805, 809 (10th Cir. 1988)); *see also King v. GEICO*  
16 *Indem. Co.*, 712 Fed. Appx. 649 (9th Cir. 2017) (“Although it is well established that experts may  
17 not give opinions as to legal conclusions, experts may testify about industry standards”).

18 The Court agrees with the Government that Dr. Master should not be precluded from  
19 testifying about industry standards in clinical laboratories simply because that industry happens to  
20 be heavily regulated. Cases where courts have excluded expert witness testimony on these  
21 grounds have generally focused on preventing the expert from opining on an “ultimate legal  
22 conclusion” in the case. *See e.g., In re Rezulin Prod. Liab. Litig.*, 309 F. Supp. 2d at 558 (“expert  
23 testimony must be circumscribed carefully to ensure that ‘the expert does not usurp either the role  
24 of the trial judge in instructing the jury as to the applicable law and the role of the jury in applying  
25 that law to the facts before it.’”); *Aguilar v. Int’l Longshoremen’s Union Loc. No. 10*, 966 F.2d at  
26 447 (affirming the exclusion of expert testimony as to the reasonableness and foreseeability of

1 plaintiffs' reliance on an employer's promise in a promissory estoppel claim). The applicable law  
2 in this case will not include the CLIA and FDA regulations about which Dr. Master testifies. Nor  
3 will the jury be asked to decide whether Theranos or Holmes violated any such regulation. Thus,  
4 there is little risk in this case that Dr. Master's testimony about applicable regulations will unduly  
5 influence the jury as to any ultimate legal issue in the case.

6 Moreover, Dr. Master's focus will be on whether Theranos adhered to industry standards,  
7 not whether Theranos violated applicable regulations. While certain conduct may implicate  
8 regulations, the Court anticipates that any confusion or unfair prejudice resulting from testimony  
9 about regulatory violations can be mitigated by careful examination and thoughtful language. For  
10 example, while Dr. Master may be precluded from testifying that Theranos violated CLIA  
11 regulations by failing to perform sufficient proficiency testing, he may testify that it is typical to  
12 perform proficiency testing in the industry and that Theranos did not do so. *See, e.g., Sands v.*  
13 *Integon Nat'l Ins. Co.*, 2020 WL 7027442, at \*4 (D. Colo. Nov. 30, 2020) ("[The expert] may not  
14 opine whether defendants met their duties under applicable caselaw or violated various statutes,  
15 but may testify whether, in his opinion, defendants' conduct conformed with specific insurance  
16 industry standards, including ones identified in those statutes").

17 Finally, Holmes argues that Dr. Master's opinions about industry standards will be  
18 unhelpful to and mislead the jury. Dr. Master opines that Theranos' lack of adherence to industry  
19 standards "had the potential to adversely impact test accuracy and reliability." Master Report at  
20 17. According to Holmes, "[t]o be helpful to [the] jury's assessment of accuracy and reliability,  
21 Dr. Master's testimony would need to show that Theranos' supposed deviations from industry  
22 practice affected the integrity of its tests to such a degree that it would be materially false for  
23 someone with knowledge of the deviations to represent that Theranos' tests were accurate and  
24 reliable." Mot. at 22-23.

25 The Government argues that the Master Report adequately ties Theranos' practices to the  
26 accuracy and reliability of their blood tests, such that Dr. Master's testimony will be helpful to the

1 jury. For example, Dr. Master explains that the failure to abide by industry-wide quality control  
 2 standards can impact testing: “[r]unning patient samples when QC is giving values out of the  
 3 acceptable range [as the CMS report described] directly impacts the accuracy and reliability of the  
 4 results that are returned to the patient or clinician.” Master Report at 17. The Government also  
 5 points out that the Holmes herself recognized the connection between laboratory compliance  
 6 practices and accuracy, touting Theranos’ 100% proficiency testing score in investor PowerPoints  
 7 as an indicator of accuracy. Gov’t Mots. in Limine, Ex. A, Dkt. No. 588-2 at ECF pg. 8.

8 The Court disagrees with Holmes’ characterization of what evidence may be helpful to the  
 9 jury. Dr. Master’s testimony need not provide complete or even direct evidence of Holmes’ guilt  
 10 to be helpful to the jury. *United States v. Christian*, 749 F.3d 806, 811 (9th Cir. 2014) (“a district  
 11 court deciding whether to admit expert testimony should evaluate whether that *testimony* ‘will  
 12 assist the trier of fact in drawing its own conclusion as to a fact in issue’ and should not limit its  
 13 consideration to ‘the existence or strength of an expert’s *opinion*’”), *overruled on other grounds*  
 14 *by United States v. Bacon*, 979 F.3d 766 (9th Cir. 2020) (emphasis in original). Although Dr.  
 15 Master does not specifically conclude that Theranos’ failure to abide by industry standards  
 16 actually affected test results, his testimony about the purpose and effect of industry standards is  
 17 nonetheless helpful.

18 Thus, the Court finds Dr. Master’s opinions about industry standards relevant to  
 19 determining whether Theranos tests were consistently accurate and reliable, and helpful to the jury  
 20 in assessing whether Holmes’ statements were misleading. Accordingly, Holmes’ motion is  
 21 **DENIED** as to these opinions.

### 22 C. THERANOS BLOOD TESTS

23 Holmes challenges Dr. Master’s opinions about the reliability and accuracy of particular  
 24 Theranos blood tests on three grounds.

25 First, for four of the assays Dr. Master was asked to consider (HIV, HbA1c, hCG, and  
 26 Calcium), he concluded that “there are substantial questions about the ability of [the] laboratory to  
 27 provide patient-appropriate results” but that he lacks sufficient data to reach a more definitive  
 28 Case No.: [5:18-cr-00258-EJD-1](#) 9  
 ORDER RE: HOLMES’ MOTION TO EXCLUDE EXPERT OPINION TESTIMONY OF DR.  
 STEPHEN MASTER UNDER RULES 401-403 AND 702

1 opinion. Master Report at 12, 15. Holmes argues “[t]hat nonopinion will not help the jury” and is  
2 unreliable. Mot. at 8.

3 To assess whether proffered expert testimony would help the jury in a given case, courts  
4 “must look to the governing substantive standard.” *Daubert II*, 43 F.3d at 1320. In this case, the  
5 substantive charge is wire fraud. The Government argues that “[g]iven the certitude and breadth  
6 with which Defendant spoke – the highest levels of accuracy for virtually every test – Dr. Master’s  
7 opinion will assist the jury in assessing if that was true” for these four tests. Opp’n, Dkt. No. 668  
8 at 8. The Court agrees, in principle, that Dr. Master’s testimony about these four tests and his  
9 conclusion that there are “substantial questions” about their accuracy could be helpful to the jury *if*  
10 that conclusion is based on sufficient facts or data to be reliable. The Court has concerns,  
11 however, about Dr. Master’s representations that the materials he had access to were insufficient.  
12 *See, e.g.*, Master Report at 15 (“there are insufficient additional details in the material I have  
13 reviewed to determine the cause of these issues, the relationship to either the sample type or  
14 Theranos technology, or the resolution of the problems”); *id.* at 16 (“in many cases I have not been  
15 able to identify a clear paper trail demonstrating the root of these inaccuracies”).

16 Second, Holmes argues Dr. Master’s testimony about all ten tests is unreliable because he  
17 does not apply the scientific methodology that he himself outlines for determining whether a given  
18 test is suitable for clinical practice; rather, he bases his opinions on “anecdotes or snippets of data,  
19 none of which reliably support his opinions.” Mot. at 8. More specifically, Dr. Master reported  
20 that he relied on the CMS Report for his opinion as to Vitamin D, the Icahn Report for his opinion  
21 as to cholesterol, and “frequent complaints from customers” derived from internal Theranos  
22 emails or “Theranos internal investigations” for his opinions as to all other tests. The Government  
23 maintains that these bases are sufficiently reliable, and that Holmes’ objection goes to the weight  
24 of the testimony rather than its admissibility. Opp’n at 7-8.

25 In determining admissibility under Rule 702, the Court must “assess whether ‘the  
26 reasoning or methodology underlying the testimony is scientifically valid’ and ‘properly can be  
27 applied to the facts in issue,’ with the goal of ensuring that the expert ‘employs in the courtroom

1 the same level of intellectual rigor that characterizes the practice of an expert in the relevant  
 2 field.” *United States v. Ruvalcaba-Garcia*, 923 F.3d 1183, 1188 (9th Cir. 2019) (quoting  
 3 *Daubert*, 509 U.S. at 592-93 and *Kumho Tire Co. v. Carmichael*, 526 U.S. 137, 152 (1999)).

4 The Court is satisfied that Dr. Master’s reliance on the CMS Report is scientifically sound.  
 5 The CMS Report contains a significant amount of quality control data from Theranos assays,  
 6 which is precisely the type of data that Dr. Master asserts is necessary to assess the accuracy of a  
 7 given blood test. Thus, the Court finds Dr. Master’s testimony and opinion as to the Vitamin D  
 8 assay to be reliable.

9 As to Dr. Master’s testimony and opinions about all other assays, Dr. Master does not  
 10 provide sufficient information—about his underlying reasoning or methodology—in his report for  
 11 the Court to assess the reliability of his opinion. Where a party “raises a material dispute as to the  
 12 admissibility of expert scientific evidence, the district court must hold an *in limine* hearing (a so-  
 13 called *Daubert* hearing) to consider the conflicting evidence and make findings about the  
 14 soundness and reliability of the methodology employed by the scientific experts.” *Daubert II*, 43  
 15 F.3d at 1319 n.10 (citing Fed. R. Evid. 104(a)). The Court concludes that a *Daubert* hearing is  
 16 appropriate to assess the reliability of Dr. Master’s methodology, which he employed to provide  
 17 testimony and opinions about chloride, potassium, bicarbonate, HIV, HbA1c, hCG, cholesterol,  
 18 calcium, and sodium.

#### 19 **IV. CONCLUSION**

20 For the reasons stated, the Court **DENIES** the motion to exclude Dr. Master’s opinions  
 21 regarding industry standards and the Vitamin D assay. The Court will defer ruling on the balance  
 22 of Holmes’ motion to exclude pending a *Daubert* hearing. The Government shall determine Dr.  
 23 Master’s availability for a *Daubert* hearing, meet and confer with Holmes’ counsel regarding  
 24 scheduling, and shall notify the deputy clerk of the parties’ proposed date for a *Daubert* hearing.  
 25 Any supplemental material the Government plans to rely on at the hearing shall be filed no later  
 26 than ten business days before the hearing. Holmes may file a responsive brief no later than five

1 business days before the hearing.

2 **IT IS SO ORDERED.**

3 Dated: May 21, 2021



EDWARD J. DAVILA  
United States District Judge

United States District Court  
Northern District of California

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