

**DEPARTMENT OF HEALTH AND HUMAN SERVICES**  
 Food and Drug Administration  
**INVESTIGATIONAL NEW DRUG APPLICATION (IND)**  
*(Title 21, Code of Federal Regulations (CFR) Part 312)*

Form Approved: OMB No. 0910-0014  
 Expiration Date: March 31, 2022  
 See PRA Statement on page 3.  
 NOTE: No drug/biologic may be shipped or clinical investigation begun until an IND for that investigation is in effect (21 CFR 312.40)

|                                   |                                                  |
|-----------------------------------|--------------------------------------------------|
| 1. Name of Sponsor<br>BioNTech SE | 2. Date of Submission (mm/dd/yyyy)<br>02/18/2021 |
|-----------------------------------|--------------------------------------------------|

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| 3. Sponsor Address<br>Address 1 (Street address, P.O. box, company name c/o)<br>An der Goldgrube 12<br>Address 2 (Apartment, suite, unit, building, floor, etc.)<br>City<br>Mainz<br>State/Province/Region<br>N/A<br>Country<br>Germany<br>ZIP or Postal Code<br>55131 | 4. Telephone Number (Include country code if applicable and area code)<br>215-280-5503<br>6A. IND Number (If previously assigned)<br>019736<br>6B. Select One: <input checked="" type="checkbox"/> Commercial<br><input type="checkbox"/> Research |
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|                                                                                                                            |                                 |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 5. Name of Drug (Include all available names: Trade, Generic, Chemical, or Code)<br>COVID-19 Vaccine (BNT162, PF-07302048) | <b>Continuation Page for #5</b> |
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|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 7A. (Proposed) Indication for Use<br>Prophylactic immunization against COVID-19 in adults ≥16 years of age | Is this indication for a rare disease (prevalence <200,000 in U.S.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                             | <b>Continuation Page for #7</b> |
|                                                                                                            | Does this product have an FDA Orphan Designation for this indication? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, provide the Orphan Designation number for this indication: <input type="text"/> |                                 |

7B. SNOMED CT Indication Disease Term (Use continuation page for each additional indication and respective coded disease term)

8. Phase of Clinical Investigation to be conducted  Phase 1  Phase 2  Phase 3  Other (Specify): \_\_\_\_\_

9. List numbers of all Investigational New Drug Applications (21 CFR Part 312), New Drug Applications (21 CFR Part 314), Drug Master Files (21 CFR Part 314.420), and Biologics License Applications (21 CFR Part 601) referred to in this application.  
BB-IND 013812, BB-IND 013278, BLA 125549

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| 10. IND submission should be consecutively numbered. The initial IND should be numbered "Serial number: 0000." The next submission (e.g., amendment, report, or correspondence) should be numbered "Serial Number: 0001." Subsequent submissions should be numbered consecutively in the order in which they are submitted.. | Serial Number<br><u>0 2 2 1</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|

11. This submission contains the following (Select all that apply)

|                                                                             |                                                                                                         |                                                                  |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <input type="checkbox"/> Initial Investigational New Drug Application (IND) | <input type="checkbox"/> Response to Clinical Hold                                                      | <input type="checkbox"/> Response To FDA Request For Information |
| <input type="checkbox"/> Request For Reactivation Or Reinstatement          | <input type="checkbox"/> Annual Report                                                                  | <input type="checkbox"/> General Correspondence                  |
| <input type="checkbox"/> Development Safety Update Report (DSUR)            | <input checked="" type="checkbox"/> Other (Specify): Briefing Document for Type C Written Response Only |                                                                  |

|                                                  |                                                  |                                                      |                                                        |
|--------------------------------------------------|--------------------------------------------------|------------------------------------------------------|--------------------------------------------------------|
| <b>Protocol Amendment</b>                        | <b>Information Amendment</b>                     | <b>Request for</b>                                   | <b>IND Safety Report</b>                               |
| <input checked="" type="checkbox"/> New Protocol | <input type="checkbox"/> Chemistry/Microbiology  | <input type="checkbox"/> Meeting                     | <input type="checkbox"/> Initial Written Report        |
| <input type="checkbox"/> Change in Protocol      | <input type="checkbox"/> Pharmacology/Toxicology | <input type="checkbox"/> Proprietary Name Review     | <input type="checkbox"/> Follow-up to a Written Report |
| <input type="checkbox"/> New Investigator        | <input type="checkbox"/> Clinical/Safety         | <input type="checkbox"/> Special Protocol Assessment |                                                        |
| <input type="checkbox"/> PMR/PMC Protocol        | <input type="checkbox"/> Statistics              | <input type="checkbox"/> Formal Dispute Resolution   |                                                        |
| <input type="checkbox"/> Human Factors Protocol  | <input type="checkbox"/> Clinical Pharmacology   |                                                      |                                                        |

|                                                                                                                                   |                                             |                                      |
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| 12. For Originals, is the product a combination product (21 CFR 3.2(e))? <input type="checkbox"/> Yes <input type="checkbox"/> No | Combination Product Type (See instructions) | Request for Designation (RFD) Number |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------|

13. Select the following only if applicable. (Justification statement must be submitted with application for any items selected below. Refer to the cited CFR section for further information.)

|                                                                                                             |                                                                           |                                                                               |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <input type="checkbox"/> Emergency Research Exception From Informed Consent Requirements, 21 CFR 312.23 (f) | <input type="checkbox"/> Individual Patient, Non-Emergency 21 CFR 312.310 | <input type="checkbox"/> Intermediate Size Patient Population, 21 CFR 312.315 |
| <input type="checkbox"/> Charge Request, 21 CFR 312.8                                                       | <input type="checkbox"/> Individual Patient, Emergency 21 CFR 312.310(d)  | <input type="checkbox"/> Treatment IND or Protocol, 21 CFR 312.320            |

*Expanded Access Use, 21 CFR 312.300*

| For FDA Use Only       |                   |                     |
|------------------------|-------------------|---------------------|
| CBER/DCC Receipt Stamp | DDR Receipt Stamp | Division Assignment |
|                        |                   | IND Number Assigned |

14. Contents of Application – This application contains the following items (Select all that apply)

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> 1. Form FDA 1571 (21 CFR 312.23(a)(1))<br><input type="checkbox"/> 2. Table of Contents (21 CFR 312.23(a)(2))<br><input type="checkbox"/> 3. Introductory statement (21 CFR 312.23(a)(3))<br><input type="checkbox"/> 4. General Investigational plan (21 CFR 312.23(a)(3))<br><input type="checkbox"/> 5. Investigator’s brochure (21 CFR 312.23(a)(5))<br><input checked="" type="checkbox"/> 6. Protocol (21 CFR 312.23(a)(6)) <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> a. Study protocol (21 CFR 312.23(a)(6))</li> <li><input type="checkbox"/> b. Investigator data (21 CFR 312.23(a)(6)(iii)(b)) or completed Form FDA 1572</li> <li><input type="checkbox"/> c. Facilities data (21 CFR 312.23(a)(6)(iii)(b)) or completed Form FDA 1572</li> </ul> | 6. Protocol (Continued)<br><input type="checkbox"/> d. Institutional Review Board data (21 CFR 312.23(a)(6)(iii)(b)) or completed Form FDA 1572<br><input type="checkbox"/> 7. Chemistry, manufacturing, and control data (21 CFR 312.23(a)(7)) <ul style="list-style-type: none"> <li><input type="checkbox"/> Environmental assessment or claim for exclusion (21 CFR 312.23(a)(7)(iv)(e))</li> </ul> <input type="checkbox"/> 8. Pharmacology and toxicology data (21 CFR 312.23(a)(8))<br><input type="checkbox"/> 9. Previous human experience (21 CFR 312.23(a)(9))<br><input type="checkbox"/> 10. Additional information (21 CFR 312.23(a)(10))<br><input type="checkbox"/> 11. Biosimilar User Fee Cover Sheet (Form FDA 3792)<br><input type="checkbox"/> 12. Clinical Trials Certification of Compliance (Form FDA 3674) |
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15. Is any part of the clinical study to be conducted by a contract research organization?  Yes  No  
 If Yes, will any sponsor obligations be transferred to the contract research organization?  Yes  No  
 If Yes, provide a statement containing the name and address of the contract research organization, identification of the clinical study, and a listing of the obligations transferred (use continuation page).

Continuation Page for #15

16. Name and Title of the person responsible for monitoring the conduct and progress of the clinical investigations  
 Özlem Türeci, MD, Chief Medical Officer, BioNTech SE

17. Name and Title of the person responsible for review and evaluation of information relevant to the safety of the drug  
 Özlem Türeci, MD, Chief Medical Officer, BioNTech SE

**I agree not to begin clinical investigations until 30 days after FDA’s receipt of the IND unless I receive earlier notification by FDA that the studies may begin. I also agree not to begin or continue clinical investigations covered by the IND if those studies are placed on clinical hold or financial hold. I agree that an Institutional Review Board (IRB) that complies with the requirements set forth in 21 CFR Part 56 will be responsible for initial and continuing review and approval of each of the studies in the proposed clinical investigation. I agree to conduct the investigation in accordance with all other applicable regulatory requirements.**

18. Name of Sponsor or Sponsor’s Authorized Representative  
 Neda Aghajani Memar, Pharm.D., Director, Pfizer Global Regulatory Affairs - Vaccines

19. Telephone Number (Include country code if applicable and area code) 212-733-2613  
 20. Facsimile (FAX) Number (Include country code if applicable and area code) (845) 474-3500

|                                                                                                                                                                                                                                                                                                 |                                                                                                                  |
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| 21. Address<br>Address 1 (Street address, P.O. box, company name c/o)<br>235 East 42nd Street<br>Address 2 (Apartment, suite, unit, building, floor, etc.)<br>219/9/69<br>City<br>New York<br>State/Province/Region<br>NY<br>Country<br>United States of America<br>ZIP or Postal Code<br>10017 | 22. Email Address<br>Neda.AghajaniMemar@pfizer.com<br>23. Date of Sponsor’s Signature (mm/dd/yyyy)<br>02/18/2021 |
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24. Name of Countersigner

|                                                                                                                                                                                                                                                   |                                                                                                                       |
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| 25. Address of Countersigner<br>Address 1 (Street address, P.O. box, company name c/o)<br>Address 2 (Apartment, suite, unit, building, floor, etc.)<br>City<br>State/Province/Region<br>Country<br>United States of America<br>ZIP or Postal Code | 26. Email Address<br><b>WARNING : A willfully false statement is a criminal offense (U.S.C. Title 18, Sec. 1001).</b> |
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27. Signature of Sponsor or Sponsor’s Authorized Representative

Neda Aghajani Memar

Digitally signed by Neda Aghajani Memar  
 DN: cn = Neda Aghajani Memar, o, ou, email = neda.aghajanimemar@pfizer.com, c = US  
 Reason: I attest to the accuracy and integrity of this document  
 Date: 2021.02.18 16:30:56 -0500'

Sign

28. Signature of Countersigner

Sign

**The information below applies only to requirements of the Paperwork Reduction Act of 1995.**

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Office of Operations  
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