

**COMPOSITIONS OF SARS-COV-2 VACCINES BASED ON THE RECEPTOR
BINDING DOMAIN, EXPRESSED AS A DIMER, AND THE OUTER MEMBRANE
VESICLES OF MENINGOCOCCAL GROUP B BACTERIA**

ABSTRACT

This invention is related to biotechnology; in particular, to the field of human health. The described vaccine compositions induce a neutralizing immune response against the SARS-CoV-2 virus. These compositions include a portion of the receptor binding protein of the SARS-Cov-2 virus, as antigen, outer-membrane vesicles of the *Neisseria meningitides* group B bacteria, as immunopotentiating component, and an adjuvant. The vaccine compositions that are described in this invention are useful in the prevention of infection with the SARS-CoV-2 virus.

Figure 2 accompanies.