

# POP BIO and EuBiologics' EuCorVac-19 COVID-19 vaccine hits target in Phase 3 trial

*POP Biotechnologies (POP BIO), a Buffalo, NY-based biopharmaceutical startup, announces top line interim results of a Phase 3 clinical trial of EuCorVac-19*

BUFFALO, NY, UNITED STATES, June 27, 2023 /EINPresswire.com/ -- [POP Biotechnologies](https://www.einpresswire.com/POP-Biotechnologies) (POP BIO), a Buffalo, NY-based biopharmaceutical startup, announces top line interim results of a Phase 3 clinical trial of EuCorVac-19, a COVID-19 vaccine candidate being developed by South Korean partner EuBiologics (KOSDAQ: 206650). EuCorVac-19 is a protein-based vaccine consisting of a vaccine antigen displayed on immunogenic nanoparticles, using POP BIO's spontaneous-nanoliposome antigen particle (SNAP) technology.



EuCorVac-19, a novel COVID-19 vaccine, reports positive Phase 3 clinical trial data

The phase 3 trial of EuCorVac-19 was conducted in the Philippines in approximately 2600 adults.

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*Jonathan Smyth, Cofounder*

EuCorVac-19 demonstrated superior antibody immunogenicity compared to a World Health Organization Emergency Use Authorized adenoviral vector vaccine, thereby meeting the primary endpoint of the phase 3 trial.

The formation of neutralizing antibodies, which prevent COVID-19 infection, was more than twice as high in

EuCorVac-19 compared to the control vaccine. EuCorVac-19 exhibited a high serological response rate with neutralizing antibody titers increasing after vaccination. In particular, the neutralizing antibody titers and serum response rates in subjects aged over 65 exceeded those of the control vaccine. In immunogenicity analysis against the Omicron BA.5 strain, EuCorVac-19 induced more than twice the neutralizing antibody titer compared to the control vaccine.

EuCorVac-19's safety profile was further established in this phase 3 study. EuCorVac-19 showed a slightly lower incidence than the control vaccine of solicited adverse events and there was no difference between EuCorVac-19 and the control vaccine in the incidence of unsolicited adverse events.

These results further validate the strength and synergy of POP BIO's SNAP and EuBiologics' EuIMT platform technologies used in the EuCorVac-19 vaccine. Further development of booster vaccines, new strain vaccines, and combination vaccines for COVID-19 will be significantly more straightforward in the future. "Achieving the completion of this Phase III trial is an enormous milestone for our technologies. These results provide validation towards not only solving this unprecedented global crisis but also provides invaluable support towards our platform's development, further enabling the creation of new vaccines with tremendous potential to alleviate suffering worldwide," said POP BIO co-founder Jonathan Smyth.

EuCorVac-19 was already shown to be safe and immunogenic in a Phase I/II clinical trial, the results of which were announced in December 2021. The Philippine Phase 3 trial, conducted since third quarter of 2022, were supported by a grant of the Korea Health Technology R&D Project through the Korea Health Industry Development Institute (KHIDI), funded by the ministry of Health & Welfare, Republic of Korea.

Based on the results of this clinical study, EuBiologics plans to apply for product approval in the Philippines shortly. Later this year, results will become available from a second independent Phase 3 clinical study being carried out in the Democratic Republic of Congo.

**About POP Biotechnologies:** POP Biotechnologies, Inc. is a privately held biotechnology company focused on the research and development of novel therapeutics and vaccines employing their proprietary porphyrin-phospholipid (PoP) liposome technologies. The PoP technology, exclusively licensed from the State University of New York Research Foundation (SUNY-RF), was developed by company co-founder Dr. Jonathan Lovell at his academic facilities at The State University of New York at Buffalo (SUNY Buffalo). POP Biotechnologies is currently a resident of the SUNY Buffalo incubator at Baird Research Park.

**About POP BIO's SNAP Technology:** POP BIO's Spontaneous Nanoliposome Antigen Particleization (SNAP) technology enables the rapid development and manufacturing of highly immunogenic particle-based vaccines and immunotherapies directed against infectious disease and cancer through the use of a cobalt modified variant of the PoP technology (CoPoP). The SNAP technology enables the seamless generation of stable particle-formation and liposome-display of protein and peptide antigens resulting in substantial improvements in immune responses.

**About EuBiologics:** EuBiologics is a South Korean Biotechnology company that is advancing the EuCorVac-19 COVID-19 vaccine and other vaccine products. EuBiologics has 2 main animal-based bioreactors (1,000L) to produce recombinant protein antigens at Chuncheon Plant 1(C-Plant) and EcML(Monophosphoryl Lipid A) which is adjuvant at Chuncheon Plant 2(V-Plant). The total

capacity of COVID-19 vaccine is currently in the hundreds of millions of doses per year.

About EuBiologics' EuIMT Technology: EuBioloigcs' Immune Modulation Technology using genetically engineered Monophosphoryl Lipid A(MLA), called EcML that is a unique TLR4 agonist. EuBiologics has IP protection around EcML and various adjuvant systems including EcML. Eubiologics' EcML and POP BIO's SNAP technologies synergize to create ultrapotent next-generation vaccines.

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