BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

Premas Biotech, Oramed announce oral COVID-19 vaccine candidate

19 March 2021 | News

Clinical trials expected to commence Q2 2021



Gurugram based Premas Biotech has announced the development of an oral COVID-19 vaccine that has shown efficacy after a single dose, in conjunction with Jerusalem based Oramed Pharmaceuticals Inc.

Accelerating the vaccine's path to market, Premas, Oramed and other shareholders, have formed Oravax Medical Inc. which has received exclusive licenses from Oramed and Premas to develop oral COVID-19 vaccines.

After a single dose of the Oravax COVID-19 capsule, efficacy was evident through antibody production in a pilot animal study. Oravax's vaccine promoted both systemic immunity through Immunoglobulin G (IgG), the most common antibody in blood and bodily fluids that protects against viral infections, and Immunoglobulin A (IgA) which protects the respiratory and gastrointestinal tracts against infection.

Premas' protein-based VLP (Virus Like Particle) vaccine candidate creates triple protection against the SARS CoV-2 virus Spike, Membrane, and Envelope targets. The vaccine candidate is also safe, efficacious and well-tolerated at normal to high doses, and generated high titres of neutralizing antibodies. The VLP is manufactured using Premas' proprietary D-Crypt™ platform, which is highly scalable and can be manufactured on large scales.

Premas Biotech Co-Founder and Managing Director Dr. Prabuddha Kundu commented, "An oral COVID-19 vaccine that harnesses and combines the true potential of the two platforms, Premas' D-Crypt™ technology platform with Oramed's world-leading oral protein delivery platform POD® is an excellent example of a true collaboration and can rapidly advance into late-stage clinical trials. Oramed's experience and success in conducting Phase 2 and 3 oral protein trials positions our program very favorably in the race to find an effective oral COVID-19 vaccine that can be administered by anyone anywhere We are looking forward to sharing clinical data soon."