

HDT Bio, Quratis to co-develop innovative COVID-19 vaccine in Asia

17 August 2021 | News

HDT's RNA-based vaccine offers simpler manufacturing, greater stability, and vastly lower effective dosing than current mRNA COVID-19 vaccines



US-based HDT Bio Corp has announced an agreement with Korean biotech Quratis Inc. to co-develop HDT's revolutionary COVID-19 vaccine (a next generation mRNA vaccine) for distribution in South Korea and neighboring countries.

HDT previously established a collaboration with Gennova Biopharmaceuticals in India, and it plans to announce similar deals in China and Brazil soon.

HDT Bio's COVID-19 vaccine uses a proprietary Lipid InOrganic Nanoparticle (LION™) formulation to deliver immune-stimulating RNA fragments to targeted cells.

The vaccine, currently in clinical trials to establish safety and efficacy, is significantly different from current mRNA vaccines in two ways. First, its RNA payload is designed to amplify itself inside the body. As a result, the vaccine effectively activates the immune system at a much lower dose than current vaccines, enhancing safety and reducing manufacturing costs. Second, the HDT LION formulation system simplifies manufacture and enhances stability.

Quratis got an IND approval from Ministry of Food and Drug Safety for Phase I clinical trial of a COVID-19 vaccine in mid-July and is expected to begin evaluating QTP104 in a Phase 1 clinical trial shortly.