LVG GOLDEN SYRIAN HAMSTER

Relevancy and Application in COVID-19 Research
LVG GOLDEN SYRIAN HAMSTER
An Excellent Model for SARS-CoV-2 Studies

Why the LVG Hamster?
Supports growth of SARS-CoV-2 with robust viral titers within 2 days of inoculation. Ease of handling, natural infection, and efficient transmission make this an ideal research model for your COVID-19 studies.

Relevant Features
• High level of sequence homology with human ACE 2 receptor
• Consistent infection with SARS-CoV-2
• Maximum clinical signs such as alveolar damage, high lung viral load, cytokine activation, spleen and lymphoid atrophy, and development of serum antibody

Applications
• Investigation of pathogenesis and transmission of SARS-CoV-2
• Vaccine and treatment generation against SARS-CoV-2

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Hydrogen bonds between ACE2 and the spike glycoprotein S1 subunit RBDs of SARS-CoV-2