

TRANSGENIC MOUSE MODEL IDEAL FOR COVID-19 RESEARCH

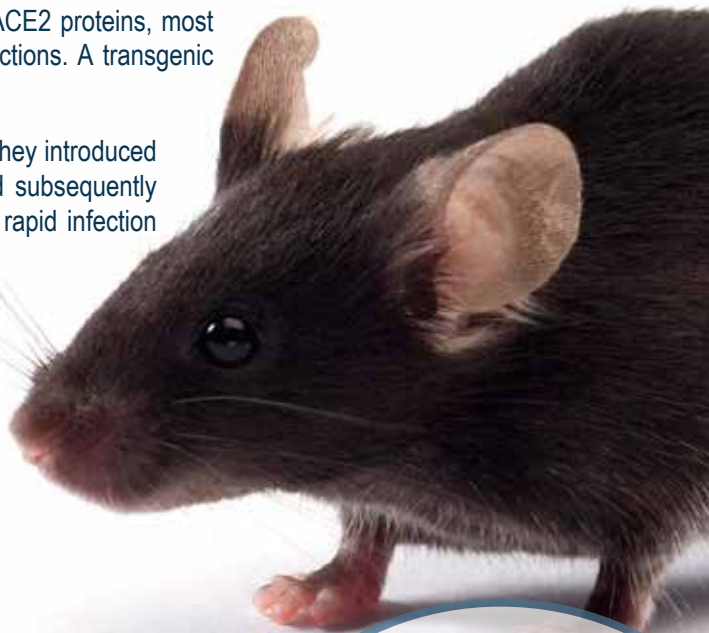
Due to structural differences in mouse ACE2 proteins compared to human ACE2 proteins, most used wild-type mouse strains are not optimal for studying Coronavirus infections. A transgenic mouse model is now available for *in vivo* COVID-19 research.

In 2007 a researcher from the University of Iowa published a study in which they introduced a vector carrying a human ACE2-coding sequence into wild-type mice and subsequently developed a successful hACE2 transgenic mouse strain, which develops a rapid infection after intranasal inoculation with a human strain of SARS-CoV.

The Jackson Laboratory has cryorecovered this K18-hACE2 transgenic mouse (B6.Cg-Tg(K18-ACE2)2PrImn/J) and is rapidly building a new colony, which is now available for importation via Charles River.

Charles River is also establishing a European colony of the K18-hACE2 mouse. It will be ready to ship in September 2020. For further strain information and to register your interest, please go to the Charles River website [click here](#)

If you have any questions, please do not hesitate to contact us.



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