

Category E Ferret study- University of Missouri

Ferrets are used to study influenza and Sars-Cov2 infections. Agents that relieve pain or distress may alter the symptoms or the course of these infections and not allow for study of their normal progression. The ferrets will be observed at least once per day for health assessment based on a pain and distress form which assigns cumulative scores based on signs and symptoms. When animals reach a threshold score set by the pain and distress form, they will be humanely euthanized to minimize pain and distress.

Category E Hamster study- University of Missouri

Hamsters are used to study SARS-Cov2 infection pathogenesis and look for potential vaccines. Administration of pain/distress-relieving drugs can change the clinical sign monitoring or interfere with the progression of the infection. Syrian hamster (*Mesocricetus auratus*) typically develops only moderate signs of clinical disease and lung pathology after infection with SARS-CoV-2 (<https://pubmed.ncbi.nlm.nih.gov/32408338/>). Animals will be monitored for pain and distress daily or twice a day based on severity of disease and euthanized when pre-set endpoints are reached.