

Exceptions- FY22- USDA 58-R-0015- University of South Florida

Hyperoxic Exposure - Guinea pigs are exposed to 100% oxygen for <72-hours in a 50 X 30 X 30 cm chamber. In order to ensure circulation of oxygen flow and to accommodate hyperoxia chamber configuration, guinea pigs will be placed in 5" tall cages rather than 7" cages per USDA regulations. No cage lid will be in place so the cages are open to the chamber ceiling. Except for the height, these cages meet the space requirements as per regulations and have more than enough space for guinea pigs postural body movement/adjustment. The IACUC-approved exception covers 1424 guinea pigs. However, on this protocol, 14 guinea pigs were used in reporting year FY22.