

INDIVIDUAL VENTILATED CAGING SYSTEM

ABSTRACT

The present invention provides a micro-safe individual ventilation caging system that protects and ensures a safe and stable environment for research animals. In another aspect of the present invention, there is provided an animal cage. In one embodiment, the animal cage comprises a cage body for flooring one or more animals; wherein the top edge of the cage body is bended outwardly so as to form an inner recess; a wire mesh bar for holding water bottle and feedstuff; wherein the wire mesh bar is disposed on the top of the cage body via the inner recess; a lid disposed on the top of the cage body so as to form an enclosure with the cage body; wherein the bottom edge of the lid is bended outwardly to form an inner recess so that the inner recess of the lid receives the top edge of the cage body; and a gaseous supply and exhaust system disposed between the wire mesh bar and the lid for providing controllable air conditions within the animal cage; wherein the gaseous supply and exhaust system comprises a gaseous supply means removably connected to an air supplier so as to provide a desired air composition supply to the animal cage; and a gaseous exhaust means removably connected to an exhaust vacuum so as to remove the exhausted air from the animal cage; thereby the gaseous supply and exhaust system enables a user to adjust and control the air composition and pressure within the animal cage.

FIG 1