Claims

[Claim 1]

A biological safety cabinet for animal cages having an air discharge system for discharging air from a work space to outside of a device through first air cleaning means by blower means and a front-surface door formed on a front surface of the work space, the biological safety cabinet comprising an air supply system for supplying the air to the work space through second air cleaning means and a small window capable of being opened/closed and formed on a wall surface of the work space including the front-surface door, wherein

the blower means forms an air flow in series with the first and second air cleaning means, and when the small window is closed, the air is sucked from the second air cleaning means, while when the small window is open, the air is sucked from an opening portion of the small window.

[Claim 2]

The biological safety cabinet for animal cages according to claim 1, wherein

a flow of the air is formed in series with the first and second air cleaning means by the blower means.

[Claim 3]

The biological safety cabinet for animal cages according to claim 1 or 2, wherein

a wall surface of the work space in which the small window is formed or the front surface door is formed with a double structure, and an opening portion larger than an opening area of the small window is formed on a side of the work space of the double-structured wall surface.

[Claim 4]

The biological safety cabinet for animal cages according to claim 1 or 2, wherein

the air is supplied to the second air cleaning means by second blower means.

[Claim 5]

The biological safety cabinet for animal cages according to claim 3, wherein

by opening the small window, an average inflow air velocity of 0.5 m/s or more of a sucked air flow of a small-window opening portion generated in the small-window opening portion is ensured.

CLAIMS

[Claim 1]

A biological safety cabinet for animal cages having an air discharge system for discharging air from a work space to outside of a device through first air cleaning means by blower means, an air supply system for supplying the air to the work space through second air cleaning means, and a front-surface door formed on a front surface of the work space, the biological safety cabinet comprising a small window capable of being opened/closed and formed on the front-surface door, wherein

the blower means forms an air flow in series with respect to the first air cleaning means and the second air cleaning means, and

a pressure loss of opening of the small window is designed to be smaller than a pressure loss of the second air cleaning means, whereby the biological safety cabinet is configured such that when the small window is closed, the air is sucked from the second air cleaning means, while when the small window is open, the air is sucked not from the second air cleaning means but from an opening portion of the small window.

[Claim 2]

The biological safety cabinet for animal cages according to claim 1, wherein

a wall surface of the work space in which the small window is formed or the front surface door is formed with a double structure, and an opening portion larger than an opening area of the small window is formed on a side of the work space of the double-structured wall surface.

[Claim 3]

The biological safety cabinet for animal cages according to claim 1 or 2, wherein

the air is supplied to the second air cleaning means by second blower means.

[Claim 4]

The biological safety cabinet for animal cages according to any one of claims 1 through 3, wherein

by opening the small window, an average inflow air velocity of 0.5 m/s or more of a sucked air flow of a small-window opening portion generated in the small-window opening portion is ensured.