

ABSTRACT

VECTOR MOSQUITO AUTOMATIC ANALYSIS DEVICE CAPABLE OF ACCURATE ANALYSIS

A vector mosquito automatic analysis device capable of accurate analysis according to the present invention includes a main body that forms an appearance and a hollow space therein, an inlet unit that is provided in the main body, extends to be exposed to the outside, and provides a passage through which external mosquitoes are introduced into the main body, a detection unit that is provided at one side of the inlet unit and has an infrared light sensing structure for detecting and automatically counting the mosquitoes introduced into the main body through the inlet unit, a suction unit that is provided in the main body to suck external air containing the mosquitoes to be introduced into the main body through the inlet unit, a capture unit that is provide between the inlet unit and the suction unit to communicate with each other to capture and temporarily stun the mosquitoes introduced into the main body through the inlet unit, a photographing unit that is provided in the main body to be dualized with the capture unit and photographs the mosquitoes to acquire information required for analysis, a transfer unit that reciprocates between the capture unit and the photographing unit to transfer the mosquitoes temporarily stunned in the capture unit to the photographing unit, and a collection unit that perform collecting and destroying operations of the mosquitoes that haven been photographed.

Figure 1