



Mosquito Trap

BG – Pro

One Trap for All Purposes

The New Product Line for Professionals



Biogents
Mosquito Control

The BG-Pro is Ideal to Collect All Types of Mosquitoes

The BG-Pro was developed to combine functions of different trap types with higher quality parts, less energy consumption, and overall better performance.

Three styles are available:

EVS-style

hanging



CDC-style

hanging



BG-Sentinel-style

standing on the ground



CO₂ Upgrade

All trap styles can be upgraded with CO₂ to increase the catch rates for all mosquito species, including *Anopheles*.

There are several possibilities to upgrade the trap with CO₂, for example:

- Dry ice
To the right, an example of the EVS-style version: The dry ice is placed into the Biogents bag above the trap. Additionally, a power bank can be put into a side pocket of the bag.
- CO₂ gas bottle
Biogents offers a CO₂ upgrade set including a pressure regulator for CO₂ gas bottles (BG-Booster CO₂).
- Yeast fermentation
For more information, see, for example, Smallegange et al. (2010) *Malar J.* 9:292, or contact Biogents.



Performance of the BG-Pro

First field tests show excellent results indicating that the CDC-style BG-Pro is comparable to the original CDC light trap and that the BG-Sentinel-style BG-Pro is comparable to the original BG-Sentinel.

More information & updates can be found here: <https://eu.biogents.com/bg-pro>

Advantages of the BG-Pro

Collection Bag Above Fan

- The catch bag is located above the fan so that mosquitoes do not pass through the fan. Therefore, the mosquitoes are less damaged and easier identified [Fig. 1].
- For trapping extremely large numbers of mosquitoes, the catch bag can be removed - mosquitoes are then drawn through the ventilator. The whole trap body serves now as the catch bag [Fig. 2].



High Quality Fan

- Very robust, high-quality fan: The fan is so robust that it can even be operated for hours and days in salt water.
- The fan can run off of 5, 6, or 12 V.
- Fan with only 3 blades: less damage to the captured mosquitoes, even if they are drawn through the fan.

Low Power Consumption

- Reduced consumption of electricity: The 3 blade ventilator consumes less power and thus increases battery life.

Automatic Shutter

- Funnel with integrated shutter: In case power fails, the shutter closes automatically and prevents the captured mosquitoes from escaping.

Variable Power Sources

- The trap can be run on 5 V with commercially available and light-weight **power banks**. An additional new USB adapter is included.
- They can also be run on 6 V (normal suction power) and 12 V (strong suction power) batteries. Battery cables included.
- Power supply (8 m) and extension cords (10 m) are additionally available to run the trap from the mains power supply.

Dual-Use Packaging

- The trap parts fit into each other and into the carrying bag for transport. Easy to set up, to handle, and to transport.
- The carrying bag also has the second purpose to serve as a dry ice container.

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