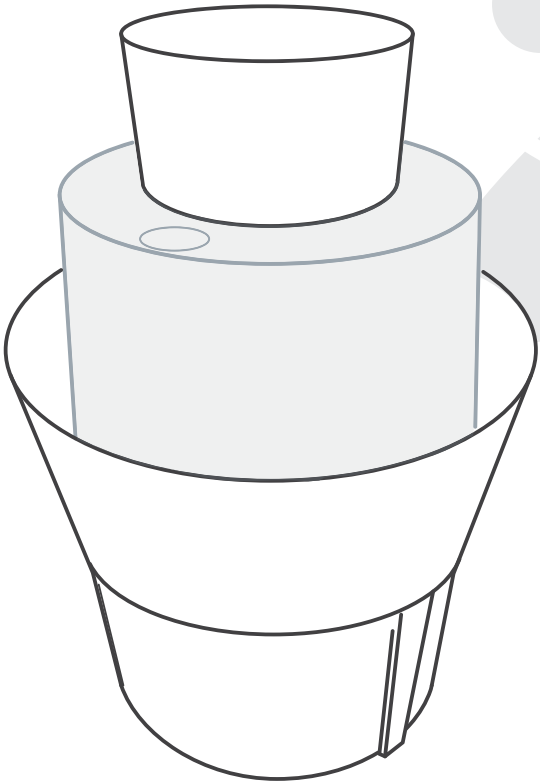


Mosquito Trap

BG - GAT

The passive **G**ravid ***A**edes* **T**rap

Biogents
Mosquito Control

Mosquito Trap

BG - GAT

Biogents' passive Gravid *Aedes* Trap, the BG-GAT, attracts female *Aedes* mosquitoes with water and oviposition cues. They enter the trap where they are exposed to a sticky surface or contaminated with killing agents and die.

The BG-GAT oviposition trap

- is affordable,
- easy to set up,
- needs no power supply,
- neither CO_2.

The affordability and ease of use make the BG-GAT well suited for surveillance programs to set multiple traps over a wide area improving the odds of identifying problem and confirming if dengue vectors are present.

The BG-GATs are available in multiples of 12 with a tiered price structure depending on quantities ordered.

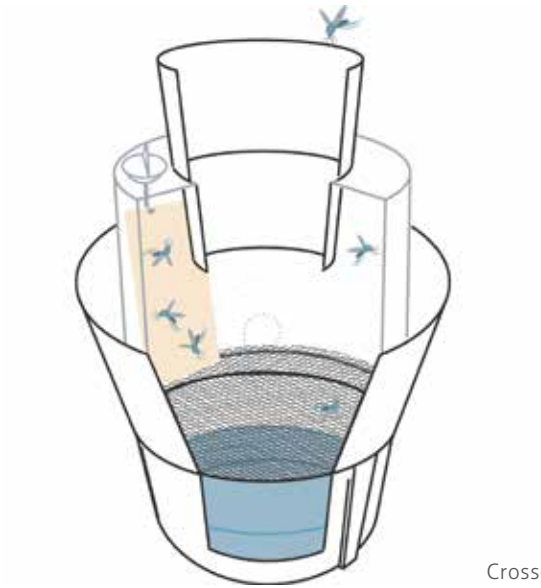
Principle of function

Female mosquitoes are attracted by water and oviposition cues and enter the transparent chamber through the funnel. Once in the chamber mosquitoes try to escape through the translucent windows where they are exposed to a sticky surface, oil, or insecticides. The catch bag provides a barrier between mosquitoes and the infused water as well as retains dead mosquitoes. To kill the mosquitoes, we recommend three methods:

1) Place a sticky card into the transparent chamber. The mosquitoes will stick to the card when flying around. Sticky cards can be purchased separately from Biogents, please contact sales@biogents.com.

2) A thin film of cooking oil can be wiped on the inside of the translucent chamber. The oil "wets" the wings of the mosquitoes, making flight impossible.
We recommend a neutral oil like canola and vegetable oil. You can also use the aerosolised versions of these oils. Avoid using light or flavored oils such as olive oil, sesame oil and walnut oil as they may inhibit entry.

3) Alternatively you can use residual surface spray insecticides that will kill mosquitoes through contact (for example Mortein Outdoor Barrier Surface Spray, imiprothrin 0.3 g/kg and 0.6 g/kg deltamethrin Reckitt Bensckiser Pty. Ltd.).



Cross-sectional view

Development

The BG-GAT trap was developed by Dr. A. E. Eiras from the Universidade Federal de Minas Gerais, Belo Horizonte, Brazil and Dr. S. A. Ritchie from the James Cook University, Cairns, Queensland 4870, Australia. Biogents produces and distributes the trap under a license agreement with both universities.

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Publications:

Eiras, A.E., Buhagiar, T.S., and Richie, S.A. (2014): Development of the Gravid *Aedes* Trap for the Capture of Adult Female Container–Exploiting Mosquitoes (Diptera: Culicidae). *J. Med. Entomol.* 51(1): 200-209.

Richie, S.A., Buhagiar, T.S., Townsend, M., Hoffmann, A., Van den Hurk, A.F., McMahon, J., and Eiras, a.E. (2014): Field Validation of the Gravid *Aedes* Trap (GAT) for Collection of *Aedes aegypti* (Diptera: Culicidae). *J. Med. Entomol.* 51(1): 210-219.

Contact

For more information about the BG-GAT please have a look at our webpage www.biogents.com or contact us at sales@biogents.com.

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