

Cold Blooded Creaturae

Insect Aspirator V1.1

Description

The Insect Aspirator V1.1 is a tool designed for entomological purposes. It's function is to provide a method for collecting insects quickly and easily with a simple breath to aspirate insects into a collection media.

Improvements

Insect Aspirator V1.1 builds upon our original V1 version. The original goal for the V1 aspirators was to provide "Cheap Affordable Aspirators for All". We managed to succeed in that, but our customers pointed out flaws and possible improvements with that version which we will briefly go over below:

- Insects can get lodged between the 3D Printed Plug and the Test Tube Adapter, resulting in insects escaping at times when disconnecting the collection media.
- Lack of cleanliness when securing the Flexible Tubing onto the Aluminum Tubing of the Aspirator once done aspirating.

Our motto is to not stagnate and sit on old ideas, instead, innovate those old ideas and pave the way for a better future for the whole industry. So, we took these complaints and advice and aimed to create an improved product.

With all aspirators under this V1.1 version, they are all now ship out with the following improvements and addons:

- Test Tube Adapter has been altered to slope down with the angle of the 3D Printed Plug, making it nearly impossible for insects to get lodged in between.
- We created a specially designed 3D printed part known as a "Flexible Tubing Connector" which slides onto the Aluminum Tubing. Once on the Aluminum Tubing, you can insert the end of your Flexible Tubing into the port so that whenever done aspirating, the tubing will be secure, and you will still be able to put the aspirator around your neck to transport it.

Included

- 1x Short Piece Flexible Tubing (Silicone or Latex)
- 1x Long Piece Flexible Tubing (Silicone or Latex)
- 1x Short Piece Hardened Seamless Aluminum Tubing (6061 T5 Hardness)
- 1x Long Piece Hardened Seamless Aluminum Tubing (6061 T5 Hardness)
- 1x Gas Filter (For Smaller Dust Particles)
- 1x Circular Stainless-Steel Mesh (304 Stainless Steel)

- 1x 3D Printed Plug (TPU)
- 1x 3D Printed Test Tube Adapter (TPU)
- 1x 3D Printed Flexible Tubing Connector (TPU)

Optional Addons

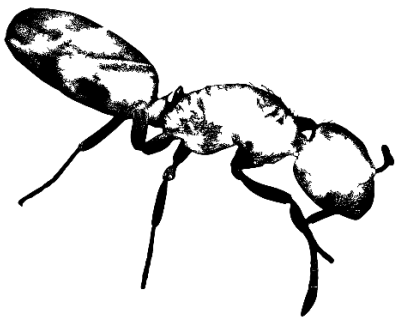
- Test Tubes
- Snap Cap Vials

How to Use

The Insect Aspirator V1.1 is very simple to use. You detach the end of the Flexible Tubing from the Flexible Tubing Connector and insert the end into your mouth. Aim the tip of the Long Aluminum Tubing at the insect you'd like to aspirate into the collection media, and then inhale so that air will move through the long tubing into the collection media, sucking up the insect in the process. The Stainless Steel Mesh will filter out most debris, and anything that manages to get through will be almost entirely filtered out by the gas filter. Note that the gas filter does not protect you from formic acid, so use with formic acid spraying insects at your own discretion.

Final Notes

Insects are fascinating creatures that everyone should enjoy. That's why we strive to make products that are effective and affordable for both researchers and hobbyists alike. Any inquiries for help can be directed to the email nicholas.parlmer@coldbloodedcreaturae.com



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