Bella Bora

Bella Bora™ Still Air Box (SAB)
INSTRUCTION MANUAL

Highlights

- Creates a spacious 2 ft by 3 ft still air work station.
- Simple setup in 5-10 minutes.
- Collapsible to save space when not in use.
- Light-weight materials for easy transportation.

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1. Product Description

The Bella Bora Still Air Box creates a clean environment for sterile work. This product is suitable for mushroom cultivation workflows, including grain inoculation, agar cloning, and spore prints. Some users have also successfully used this product as a fruiting chamber, where colonized bulk substrate trays are placed inside the Bella Bora Still Air Box. This product is not limited to mushroom cultivation. It can be used as a clean work station for sensitive procedures, such as when working with RNA (PCR), microbiology, plant cloning, and electronics.

Designed and tested by PhD scientists.

Legal Notices

The Bella Bora® Still Air Box is not guaranteed to prevent all contaminants nor create a medical-grade sterile environment. A combination of proper disinfectant and user aseptic technique will be required to increase the effectiveness of the Bella Bora® Still Air Box in reducing contamination incidents. Myrun Tek, Inc and the Bella Bora® Brand is not offering professional, research, legal, or medical advice and does not guarantee the success of every procedure performed inside the Bella Bora® Still Air Box. If the users need professional advice, they should seek licensed professional consultation. We are not held liable for the safety of every procedure that is carried out inside the Bella Bora Still Air Box. We are not held liable for any harm caused by dangerous procedures performed while using the Bella Bora® Still Air Box.

WARNING: This product can expose you to chemicals including Dibutyl Phthalate (DBP) which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

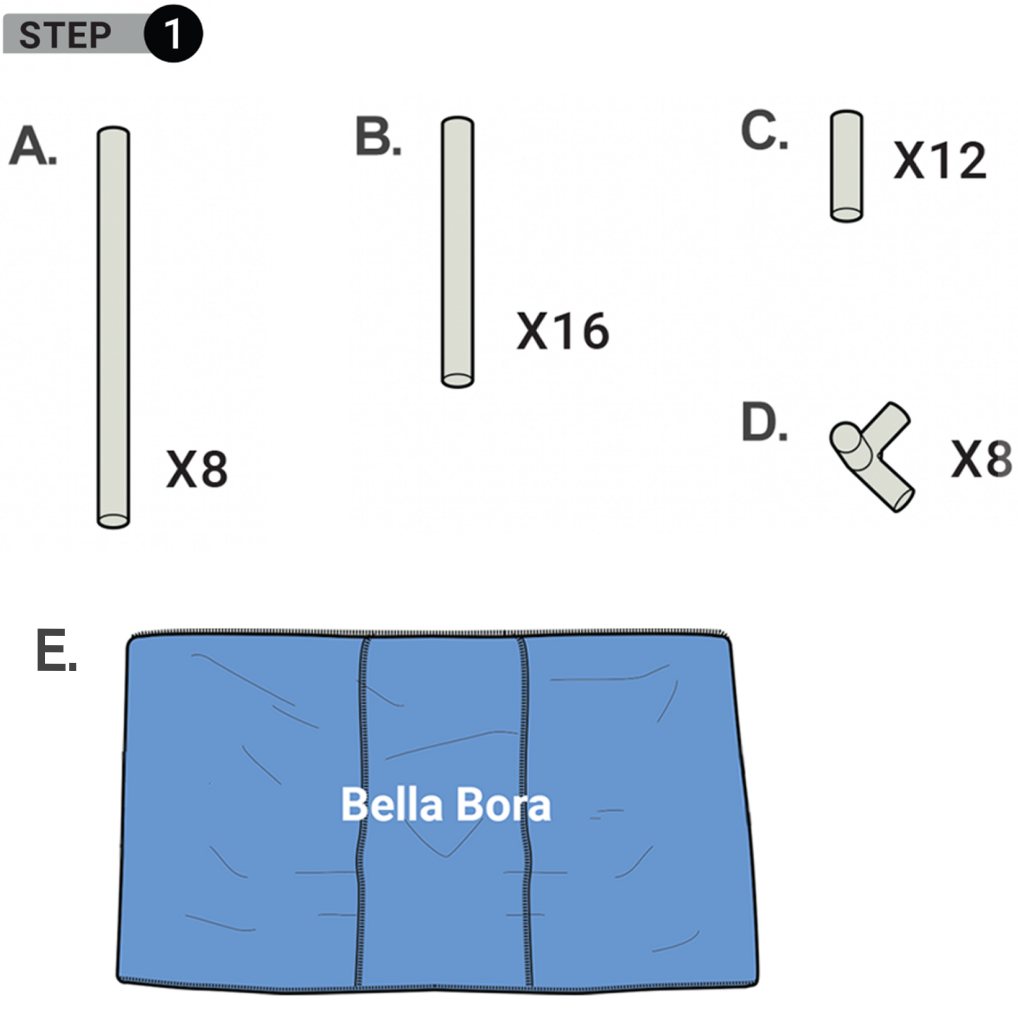
MADE IN CHINA.

2. Instructions

2.1 Set-up

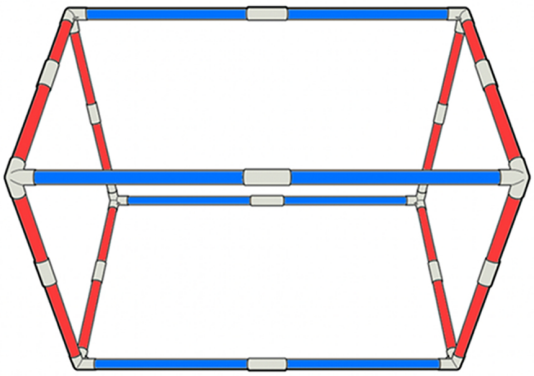
1. Check inventory to make sure all parts are included, otherwise contact customer service for support.

Bella Bora™ Still Air Box	Quantity
1.5 ft pipe (A)	8
1 ft pipe (B)	16
Two-way adapter (C)	12
Three-way corner adapter (D)	8
Bella Bora SAB Cover (E)	1



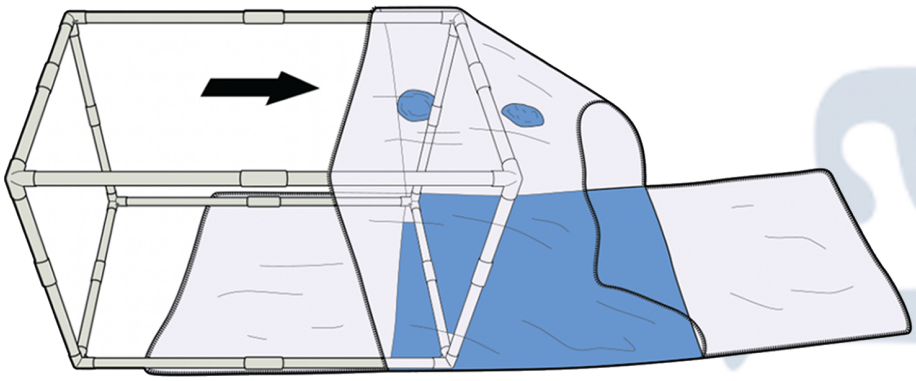
2. Build the box frame by connecting pipes and adapters. 1.5 ft pipes are shown in **blue**. 1 ft pipes are shown in **red**. Make sure that pipes are pushed fully into the adapters. This is important to ensure that the Bella Bora Cover will fit over the frame, as the Cover was made to the exact specifications of the frame with minimal slack to reduce air movement and maximize visibility during operation.

STEP 2

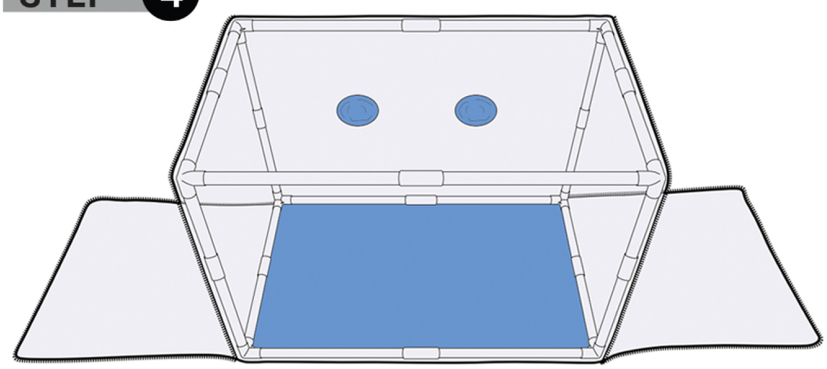


3. Once the frame is constructed, slide the Bella Bora Cover over the frame, making sure that the corners of the frame line up with the blue surface of the Bella Bora Cover. Take extra care to not pull with too much force to avoid tearing the stitching between the PVC and fabric.

STEP 3



STEP 4



2.2 Sterile technique

1. The Bella Bora Still Air Box should be properly set up and be located in an area that has reduced foot traffic, away from windy locations such as doors, windows, and other equipment (e.g. refrigerators, fans, air conditioning units).

2. Soak a paper towel with a decontamination solution of choice to wipe down the interior surface. Some options include:
   - 10% bleach solution
   - 2% soap solution
   - 10% bleach + 2% soap solution (preferred)

CAUTION Extensive use of ethanol, isopropyl alcohol or a substitute alcohol may cause a build-up of combustible fumes inside the Bella Bora Still Air Box. Although lighting flames inside the Bella Bora Still Air Box is generally safe due to a limited oxygen supply, the presence of high amounts of combustible fumes may produce a larger than expected flame when first ignited. Therefore, it is advised to not use alcohol-based decontamination solutions.

3. Similarly, decontaminate lab supplies prior to placing inside the box. Wipe the outside of containers, jars, petri dishes, and any other items with a paper towel sprayed with decontamination solution before placing them inside the Bella Bora Still Air Box. If items are wet, pat dry with a new paper towel prior to placing into the Bella Bora Still Air Box.

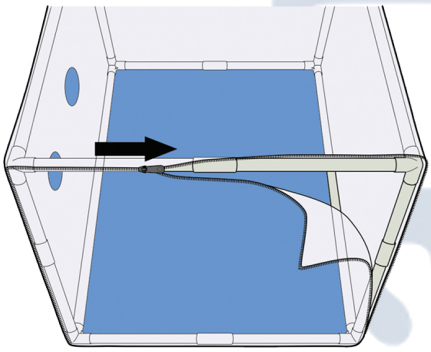
4. Zip up both sides to seal off the environment.

5. Let the Bella Bora Still Air Box rest for at least 20 minutes to allow air particulates to sediment.

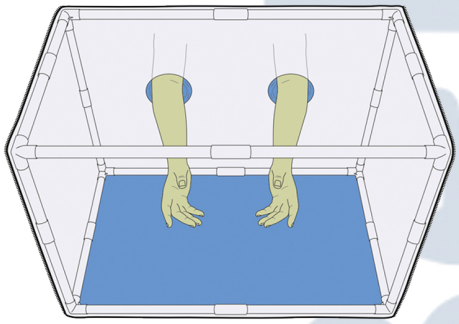
6. Wash your hands before and after work. Wear disposable gloves and spray your gloves with a decontamination solution prior to inserting your hands into the Bella Bora Still Air Box.

7. Insert your gloved hands through the arm holes to begin your work.

STEP 5



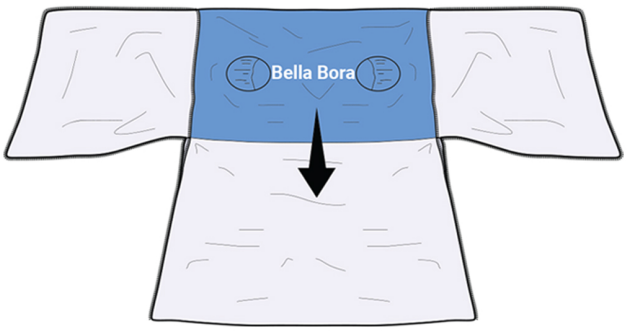
STEP 6



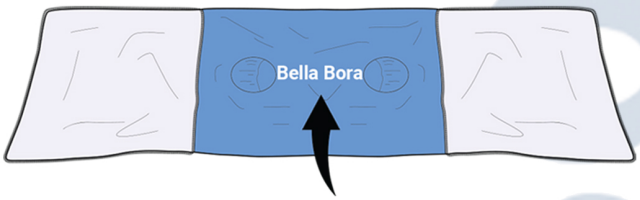
2.3 Collapse and storage

1. Remove the frame and flatten the cover with the logo facing up.
2. Fold the middle clear plastic portion onto the blue section.
3. Fold the sides onto the blue section as well.
4. Fold again along the longer side of the box and make sure the blue cloth is facing outwards.
5. Detach all the tubes, place them on the bag and wrap up the tubes.
6. Insert the product into the provided bag, along with the tube adapters.

STEP 1



STEP 2



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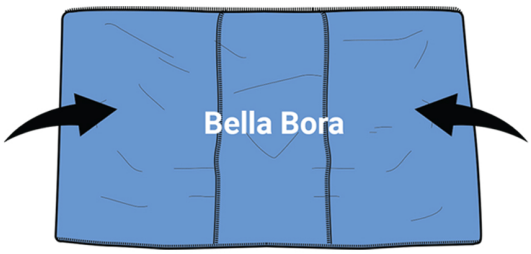

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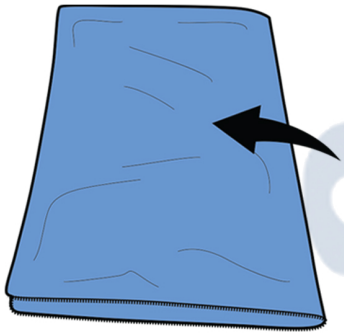

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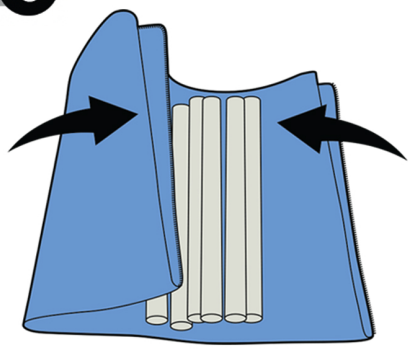

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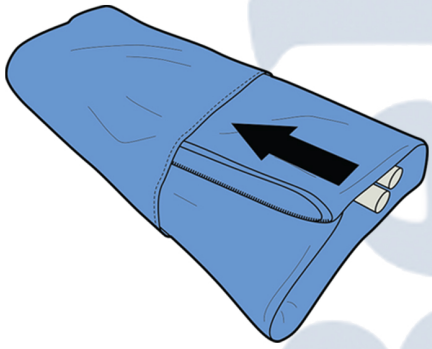

3. Additional Tips

- In colder temperatures, the plastic on the Bella Bora Cover can become stiff. If there are wrinkles, you can warm up the cover to help smooth out the plastic.
- The work area inside the Bella Bora Still Air Box should be uncluttered, and contain only items required for a particular procedure. Arrange items along the perimeter of the work area, and perform your procedure in the center. Try to limit lifting items over one another, especially if you have open petri dishes, spore prints, or other items that are sensitive to contamination.
- Decontaminate the work surface thoroughly before and after use. Clean equipment and tools routinely. Metal tools can be flame-sterilized or autoclaved in a pressure cooker. Only use individually wrapped plastics such as petri dishes and syringes, and only use each item once to avoid cross contamination. Only unwrap plastics immediately before use. Do not unwrap beforehand.
- Do not leave your substrates (grains, agar, liquid culture) to be open to the environment. Re-cap lids when not in use, and use parafilm to seal petri dishes to reduce the chance of microorganisms and airborne contaminants from entering. Cover again as soon as you are finished.
- Whenever possible, use one hand to lift open the lid while the other hand is used to perform the transfer. For example, lift the jar lid with your left hand, and use your right hand to transfer a piece of colonized agar.
- Work quickly to minimize exposure to contamination.
- Flames can be used inside the Bella Bora Still Air Box to sterilize needles and metal tools. Make sure the flame source is far away from any of the walls to avoid potentially melting the clear plastic PVC. Flames should NOT be used if an alcohol-based decontamination solution was used to sterilize the inside of the Bella Bora Still Air Box. Recommended flame sources are hand-held lighters, or glass liquid candles. If using a glass liquid candle, be sure to put out the flame when not in use, as a continuous flame may melt the plastic overhead. We do not recommend using bunsen burners with the Bella Bora Still Air Box.

THANK YOU

Thank you so much for your purchase! My name is John Nguyen, and I am the designer of the Bella Bora Still Air Box (SAB). I have been an avid mycologist/growing mushrooms for more than 5 years. I was inspired to create this SAB because I felt like the market lacked a high quality and cost-effective option for the average consumer. I did not want to spend thousands of dollars on a lab-grade laminar flow hood, nor did I want to settle for a suboptimal plastic bin or an inflatable glove bag that was inconvenient to work in. So I decided to design the Bella Bora Still Air Box to be effective, user-friendly, and collapsible for the home scientist/hobbyist at an affordable price. This product can be used for mushroom cultivation, plant tissue culture, and yeast culture for brewing beer. This product can be used for other sensitive procedures as well, such as when working with RNA (PCR), microbiology, and electronics. It was a blast for us to design, and we hope it will fend off contamination for whatever your hobby is!

Now, we understand that no product is perfect, and we are constantly looking for ways to improve. If you are not satisfied or have any feedback, please email us, or send us a message on Amazon by looking up the directions of "how to contact a third-party seller" and select "ask a question". I personally read all customer feedback and try to incorporate changes to make a product that best fits your needs. We will be working on new designs and mushroom cultivation products with the goal of helping fellow hobbyist and home mushroom growers gain access to affordable, high-quality laboratory equipment.

Sincerely,
John Nguyen
Director of R&D

Bella Bora

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