I N S T R U C T I O N S

Bel-Art SP SCIENCEWARE™

VACUUM ASPIRATOR BOTTLE WITH VACUUM TRAP

Catalog No. 19917-0001 & 19917-0002

The Scienceware® Vacuum Aspirator Bottles are great for easy and continuous aseptic vacuum aspiration* of a variety of liquids, including tissue culture media, supernatants, and cell washing solutions, from Petri dishes, microtiter plates, flasks, centrifuge tubes, and more.

The Aspirator Bottles safely retain up to 1.9L (0.5 gallon) or 3.8L (1.0 gallon). The heavy-wall polypropylene collection bottle

is chemical and corrosion resistant, while the included trap protects the vacuum source from overflow. Collection bottle and trap are neatly organized and contained in a compact epoxy-coated steel frame that won't crowd the workspace. The screw cap on the collection bottle contains a safety release vent that prevents vacuum implosion, while UV inhibitors molded into the trap and collection bottle allow all to be safely exposed to UV sterilization cycles.

Please review the instructions for Assembly and Operation before using this product. ***WARNING: When using this product under vacuum, always use standard laboratory precautions.***

Assembly:

1. Remove the cap on the vacuum trap and observe the two ports on the underside of the cap; one has a short extension, the other has a longer extension. Attach tubing as follows:
   a. Identify the longer extension and attach the flat end of one of the supplied 12cm (5") tubing to this extension.
   b. Identify the short extension and attach one of the supplied 120cm (48") tubing to the topside of this port. NOTE: The vacuum source tubing must only be connected to this port.
   c. Reinstall the cap on the vacuum trap.
2. Remove the screw cap on the aspirator bottle. Attach one of the supplied 12cm (5") tubing to one of the tubing ports on the underside of the cap as follows:
   a. Unscrew one of the two large compression nut fittings from the underside of the screw cap.
   b. Insert forefinger into the threaded end of the nut to hold the compression fitting in place
   c. Insert the flat end of the tubing through the top hole in the nut. Feed the tubing thru so that 2cm of tubing extend beyond the nut. Push compression fitting back into place if needed.
   d. Fit the extended tubing into the screw cap port as far as it will go and tighten the compression nut to clamp the tubing into the port. Hand tightening is sufficient; however pliers or a wrench may be used. Do not over tighten.
3. Identify the top side port on the screw cap to which you attached the 5" tube in Step 2. Attach the second length of supplied 120cm (48") tubing to this top side port of the screw cap in the same way described in Steps 2a thru 2d. This is the length of tubing used for aspiration.
4. Identify the supplied 30cm (12") length of tubing. Attach one end of this tubing to the remaining top side port on the screw cap (refer to Steps 2a thru 2d). Attach the other end of this tubing to the available port on the topside cap of the vacuum trap.
5. Attach the screw cap to the vacuum aspirator bottle. Hand tightening is sufficient. Do not over tighten.
6. Place assembled bottle and vacuum trap in wire rack (refer to diagram).

Operation:

1. Attach the 120cm (48") tubing coming from the trap to your vacuum source.
2. Insert a Pasteur pipette, regular pipette or a pipettor tip of appropriate diameter into the end of the aspirator tubing.
3. Turn on the vacuum source and begin your aspiration process.
4. When the aspirator bottle is approximately 2/3 full, turn off the vacuum source. Remove the aspirator bottle screw cap, treat and dispose of the contents in accordance with local regulations.

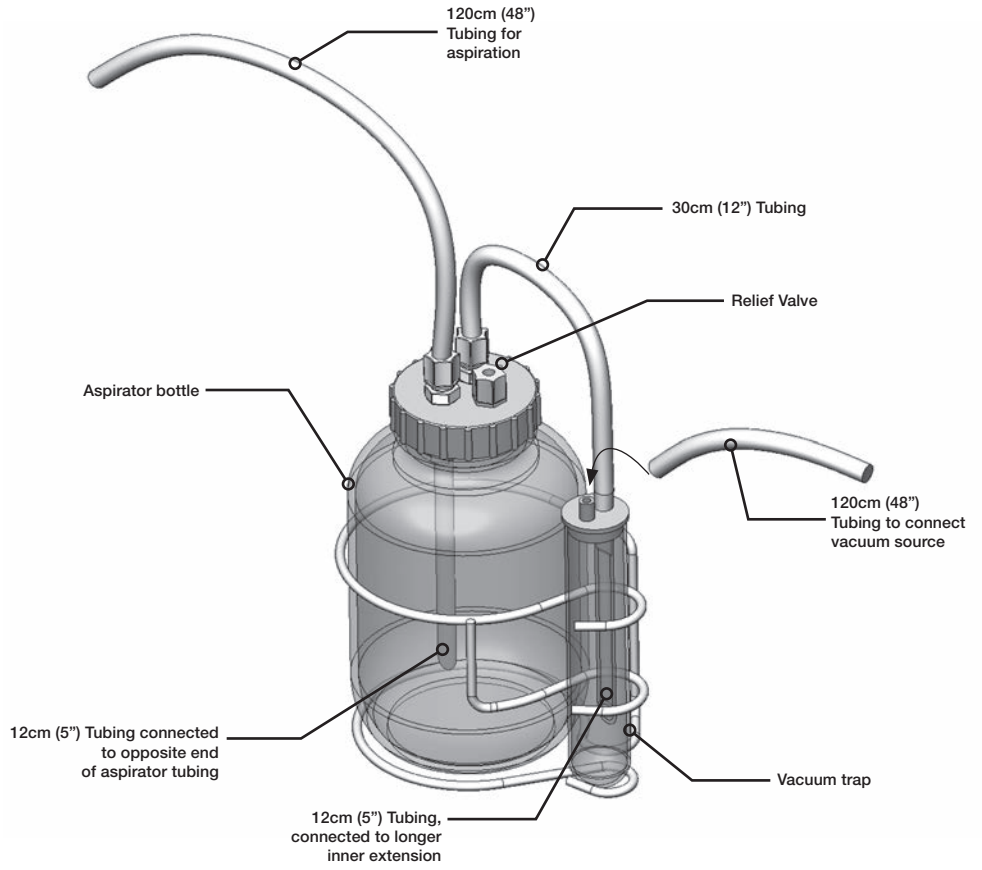
CAUTION: The vacuum trap protects the vacuum source. Do not allow the aspirator bottle to overfill causing fluids to flow into the vacuum trap. If any fluid enters the vacuum trap, disconnect the vacuum trap from the vacuum source and dispose of the contents in the vacuum trap and aspirator bottle in accordance with local regulations.

All parts of the vacuum aspirator may be autoclaved at 121°C (250°F). If the relief valve is ever disassembled from the bottle, ensure it is reassembled with the imprinted arrow pointing downward into the bottle.

* External vacuum source required.

Can be used in a UV laboratory environment!

UV stabilizers have been added to make the bottle even more stable when exposed to UV light!



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