

INSTRUCTIONS



Reusable Autoclavable Vaccu-Pette/96™

CATALOG NO. 37876-0001

The Vaccu-Pette/96™ No. 37876-0001 is molded of autoclavable polycarbonate. Autoclave the unit before use, including the length of vinyl tubing supplied. Separate the two halves before autoclaving.

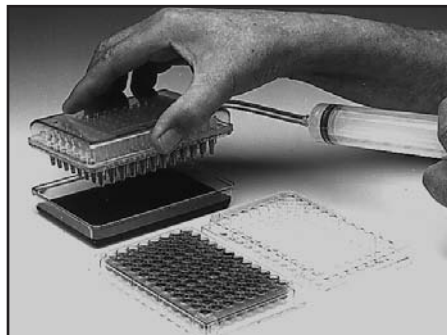
A 35cc sterile disposable syringe is required to use the Vaccu-Pette/96™, (not supplied).

To obtain optimum delivery, back off the plunger on the syringe to the 5cc mark. This will create a 5cc air space which provides an extra push at the end of the dispensing cycle. Slip the flexible tube onto the fitting of the Vaccu-Pette/96™. Now add your cell suspension to the tray section. NOTE: A minimum of 75cc must be in the tray in order to avoid breaking vacuum when it is aspirated.

Now, replace the top section of the Vaccu-Pette/96™ over the tray. The tips of the 96 wells will now be immersed in the suspension.

As an example: To transfer 150 microliters from a Vaccu-Tray to a 96 well plate:

1. Back off the syringe plunger to 5cc.
2. Attach the sterile tubing to the syringe.
3. Place the Vaccu-Pette/96™ over the Vaccu-Tray containing cell suspension.
4. Aspirate the syringe plunger to the 20cc mark on the barrel of the syringe in a slow and steady motion. (20cc minus 5cc equals 15cc or 150 microliters)
5. Carefully lift the Vaccu-Pette/96™ from the Vaccu-Tray and place onto the receiving 96 well plate. Slowly depress the syringe plunger from 20cc to 5cc.



6. Now, slowly lift the Vaccu-Pette/96™ from its resting position on the 96 well plate, at the same time depressing the syringe plunger to zero. By the time the plunger is at zero, the Vaccu-Pette/96™ tips should be clear of liquid in the 96 wells.

The Vaccu-Pette/96™ is uniquely designed to remove supernatants from cell cultures without disturbing cells resting on the bottom of the wells. The tip of each pipette rests above the bottom of the wells to leave the wells undisturbed in 50 microliters of medium. It is recommended that the Vaccu-Pette/96™ be used to remove 50-100 microliters for transfer to another 96 well plate. Best results are obtained with the transfer of 50 microliters when the antigen coated Elisa plate to receive the 50 microliters is first filled with 100 microliters of solution which can be dispensed with a Vaccu-Pette/96™ in a matter of seconds. With this procedure, 100 microliters of harvested supernatant can be divided equally into two 96 well plates coated with different antigens to assay for the presence of different antibodies. The transfer of the volumes greater than 50 microliters to empty 96 well plates does not require that liquid be first dispensed into the wells.

Example of starting a hybridome experiment.

- Step 1. Pipette 200 microliters of your cell suspension from the Vaccu-Pette tray to a prepared and empty 96 well microliter plate.
- Step 2. At feeding time, remove 125 microliters of supernatant from the plate prior to the feeding. Dispense the supernatant into your antigen coated plate for assay purposes. At this time you have 75 microliters remaining in your plate.
- Step 3. Add 125 microliters of fresh media from the tray included with your Vaccu-Pette/96™ to the 75 microliters remaining in the original plate and your volume level is again 200 microliters.

NOTE: The polycarbonate Vaccu-Pette/96™ No. 37876-0001 should be autoclaved after each use.

BEL-ART PRODUCTS

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