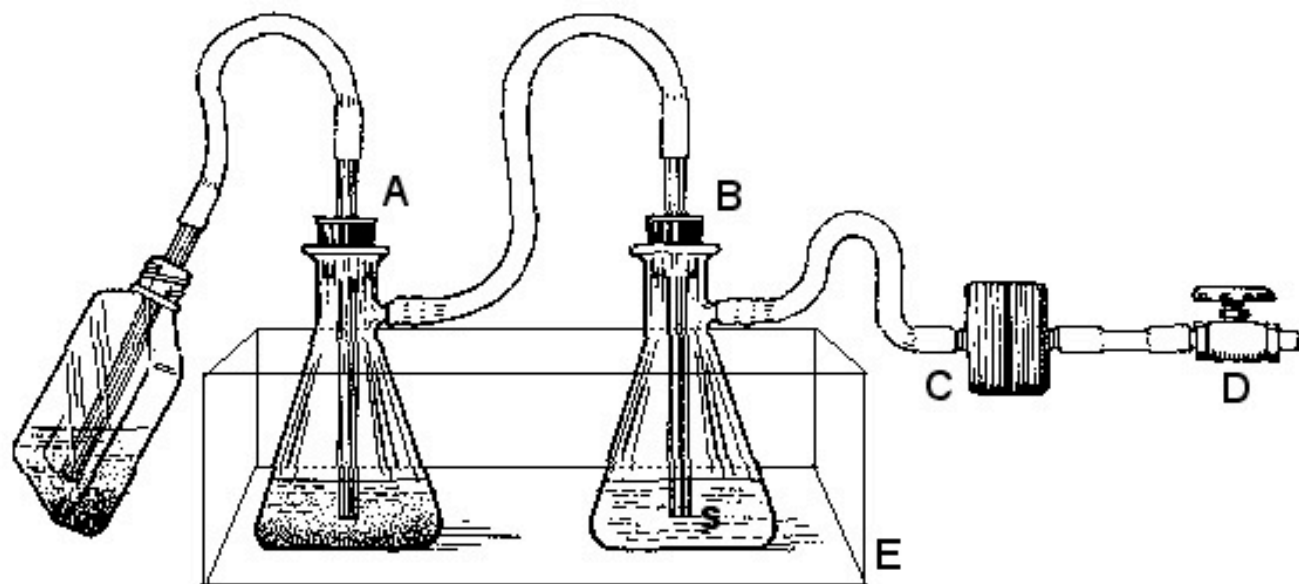


Aspiration of Infectious Fluids

This is a good method to protect the house vacuum or vacuum pump during this operation. The left suction flask (A) is used to collect the contaminated fluids into a suitable disinfectant solution (depending on the organism). The right flask (B) serves as a fluid overflow collection vessel. A glass sparger at **s** in flask B minimizes splatter. An in-line HEPA filter or Vacu-Guard filter (C, Whatman, see below) is used to protect the vacuum system (D) from aerosolized microorganisms. In addition, the flasks should be in a (or separate) secondary container(s) (E). *From Primary Containment for Biohazards: Selection, Installation and use of Biological Safety Cabinets, 2nd Ed. 2000, NIH/CDC.*



http://www.vwrsp.com/catalog/product/index.cgi?object_id=0008445&resultNum=14 checked 7/7/05



VACU-GUARD* Disposable Filters, Whatman*

Vacuum protection filter device designed to prevent fluid and aerosol contamination of vacuum pumps or aspiration suction systems and eliminate hazardous exhaust. Install in the tubing line immediately prior to vacuum pump to eliminate pump and vacuum system damage; install on the exhaust side of pump to protect personnel from exposure to airborne pathogens and other aerosol environmental hazards.

PTFE membrane in polypropylene housing with stepped hose barb connections. Particle retention in air: $\leq 0.1\mu\text{m}$ 99.99%. Maximum pressure rating: 0.9 bar (14psi).

| Fitting | Diameter, mm | Filtration Area, cm^2 | Whatman No. | VWR Catalog # | Unit | List Price | Qty |
|--------------|--------------|--------------------------------|-------------|---------------|------------|------------|--------------------------------|
| $1/4 - 3/8"$ | 50 | 16 | 6722-5000 | 28137-858 | Pack of 10 | \$125.50 | <input type="text" value="0"/> |
| $3/8 - 1/2"$ | 60 | 25 | 6722-5001 | 28137-737 | Pack of 10 | \$125.50 | <input type="text" value="0"/> |