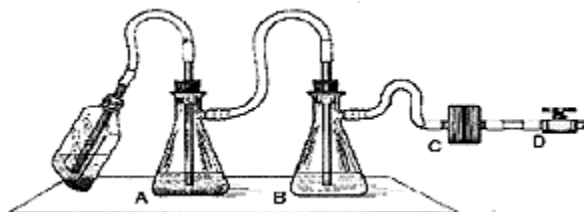


## Protection of Vacuum Systems Used in Tissue Culture Work

One method to protect a house vacuum system during aspiration of infectious fluids. The left suction flask (A) is used to collect the contaminated fluids into a suitable decontamination solution; the right flask serves as a fluid overflow collection vessel. A glass splarger in flask B minimizes splatter. An in-line HEPA filter (C) is used to protect the vacuum system (D) from aerosolized microorganisms.



CDC: *Primary Containment for Biohazards: Selection, Installation and Use of Biological Safety Cabinets 2<sup>nd</sup> ed.*

### HEPA and PTFE Filters available from Fisher Scientific\*

#### Whatman HEPA-Vent Filter

Assure sterile air for mixing, filling, storing, fermenting and transporting with this Whatman filter. Glass fiber filter is treated to be mildly hydrophobic; repels moisture, prevents bacterial growth; 0.3  $\mu\text{m}$  particle retention unaffected by autoclaving. Bidirectional flow. 16  $\text{cm}^2$  filter area.



Inlet/Outlet	Whatman #	Cat. #	Pack of 10
1/4-3/8" tapered hose barb	6723-5000	09-744-79	\$66.20

#### Whatman Vacu-Guard Filter

Meets OSHA Standard 1910.1030 as an engineering control to protect healthcare workers from bloodborne pathogens-including Hepatitis B Virus and HIV. Installed inline, filter can isolate and confine infectious materials, preventing fluid and aerosol contamination of vacuum pumps or aspiration suction systems, and eliminating hazardous exhaust. PTFE membrane retains 99.9% of air/gas particles 0.1  $\mu\text{m}$  and larger. Filter area 16  $\text{cm}^2$ . Disposable.



Inlet/Outlet	Whatman #	Cat. #	Pack of 10
1/4-3/8" tapered hose barb	672-5000	09-744-75	\$118.30
3/8-1/2" tapered hose barb	672-5001	09-744-76	\$118.30

\*Also available from other manufacturers (Pall Corporation, Millipore)