

VACUUM SYSTEM FOR BIOLOGICAL MATERIALS

Vacuum flasks are utilized for removing supernatant from cell lines, molecular biology experiments, DNA extractions, staining, etc. Overflow, stability issues, and protection of the vacuum source are concerns that should be mitigated. The set up shown below is an example of safer vacuum trap system suggested by the Centers for Disease Control (CDC).

- Two flask if no overflow valve present
 - Approved disinfectant in bottom of both flasks
 - HEPA filter inline to protect source of vacuum (house vacuum or pump)
 - Tray or container to assist in containing material if it spills, also to reduce the change of the flasks tipping over and spilling.
- One flask with overflow valve present
 - Approved disinfectant in bottom
 - HEPA filter inline to protect source of vacuum included in purchased system but may require changing

