

Class II Biological Safety Cabinet:

- **provides personnel, product and environmental protection**
- there are supply air and exhaust air HEPA filters
- two general types: IIA cabinets have a minimum inward air flow of 75 fpm and recirculates 70% of the air; IIB cabinets have a minimum inward air flow of 100 fpm and exhaust either 70% (type B1) or 100% (type B2)
- most of the biological safety cabinets at UVic are Class II

Class III Biological Safety Cabinet:

- **these cabinets provide personnel, product and environmental protection**
- they are hermetically sealed and all procedures are conducted through arm-length rubber gloves
- used in high level (Level 4) containment labs
- there are two HEPA filters on the exhaust system

Are you sure you are using your Biological Safety Cabinet correctly?

- the cabinet must be turned on at least 5 minutes before starting work in order to purge the air and remove any particulates
- the researcher should wear a closed-front lab coat (or surgical gown) and gloves
- the gloves should overlap the cuffs
- all materials needed for the manipulations should be placed in the cabinet before the work is initiated to minimize in-and-outlet air flow