

## BIOSAFETY CABINETS

Used for biohazardous materials  
Air flows **AWAY** from the user

- Class I, Class II (Types: A1, A2, B1, B2, C1), Class III
- Most common is **Class II, Type A**

### Class II, Type A2

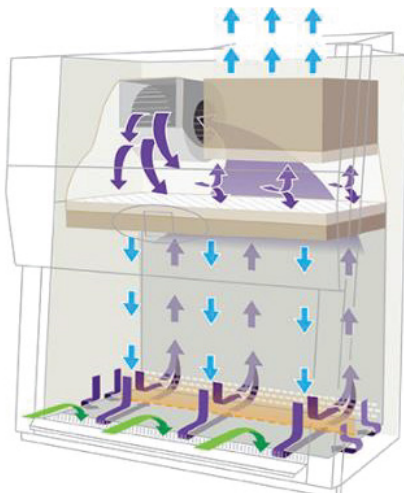
Air in-flow 70%  
Recirculated vs.  
30% Exhausted

HEPA Filtered Air

Contaminated  
Worksurface Air

Contaminated  
Room Air

Air Split



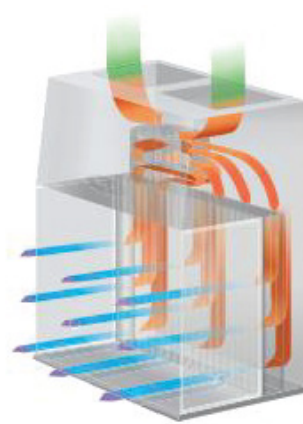
### PROTECTS:

User, Study Agent (Product), Environment

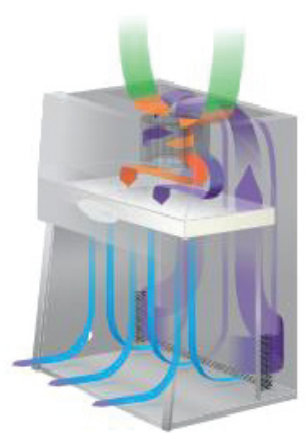
## CLEAN BENCHES

Not used for biohazardous materials  
Air flows **TOWARD** the user

- Laminar Flow Cabinet (**not** a BSC)
- Air Flow: **Vertical or Horizontal**



Horizontal Laminar Airflow



Vertical Laminar Airflow

### PROTECTS:

Study Agent (Product) ONLY

**Fume Hoods are not recommended for study agent preparation**