Laboratory setup

Space for washing and storage.

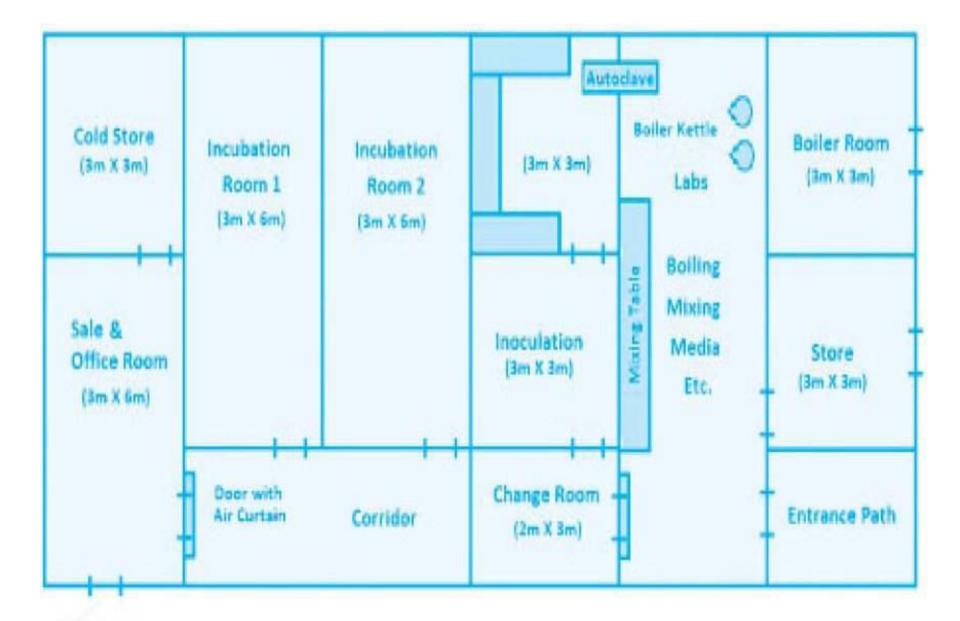
Sterilization room

Inoculation room

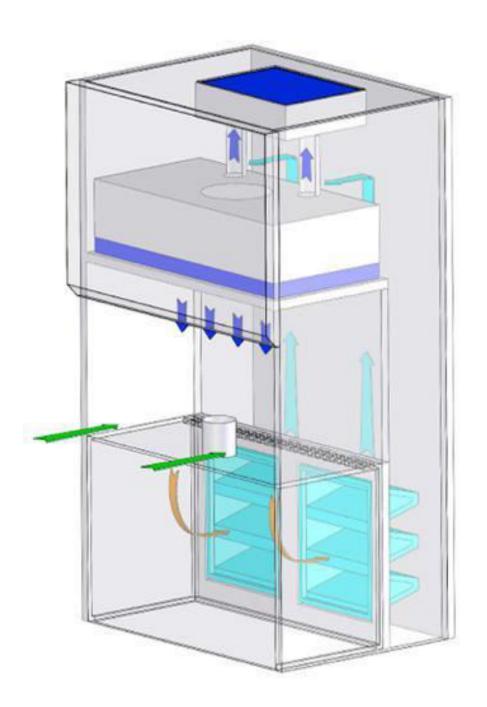
Culture room (incubation room)

Observation and inspection room.

Data collection and management room.







- ambient air
- partially contaminated air
- HEPA filtered air
- partially filtered air

* BASIC REQUIREMENT FOR A TISSUE CULTURE LABORATORY

For the successful achievement, the following general basic facilities are required:

□ E	quipment & apparatus
	ashing and storage facilities
ΠМ	ledia preparation room
☐ St	erilization room
	septic chamber for culture
	ulture rooms or incubators fully equipped with temperature, light numidity control devices
□ O	bservation or recording area well equipped with computer for data essing

Careful planning is an important first step when considering the size and location of a laboratory.

- Isolation from foot traffic.
- •No contamination from adjacent rooms.
- •Thermostatically controlled heat.
- Water and drains for a sink.
- Adequate electrical service.
- Provisions for a fan and intake blower for ventilation.
- Good lighting.

Washing Area

The washing area should contain large sinks, some lead-lined to resist acids and alkalis, draining boards, and racks, and have access to demineralized water, distilled water, and double-distilled water. Space for drying ovens or racks, automated dishwashers, acid baths, pipette washers and driers, and storage cabinets should also be available in the washing area.