



# BEST PRACTICES

## Freezers and refrigerators

### Preventive maintenance

- Regularly defrost freezer door and seals.
- Defrost entire freezer at least once a year.
- Remove dust from air inlets and filters once a year.

### Materiel management

- Maintain an up-to-date inventory of samples and eliminate unnecessary ones.
- Optimize space with high-density racks and storage systems (e.g. 13X13 freezer boxes).
- Fill freezers three-quarters full for greater energy efficiency.

### Adjust temperature

- From -80°C to -70°C = 30% energy saving.
- Store your samples (e.g. DNA) at -20 rather than -80 (80% energy saving).
- Use cold rooms rather than refrigerators and freezers to store solutions and biological materials.

Share equipment in a common room.

Group freezers in a cool room.

Leave 8 inches of space from the wall and 5 inches between appliances.

Replace older models with Energy Star-certified units.