



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.

Material 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.