

# HOW TO **GREEN** YOUR LAB



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Life Science Innovator  
Since **1966**

PHCbi's, "How To Green Your Lab", provides you with various possible measures to save electricity which can be carried out in numerous scientific scenes from professional to amateur levels, such as laboratories at research institutes or universities. By following the checklist, you can maximize efficiency starting today by saving energy without diminishing your research outcome.

Since the launch of our first Pharmaceutical Refrigerator model in 1966, PHCbi has taken advantage of this technology to create exceptional products and services with a high degree of quality and reliability. Today, PHCbi's products including preservation equipment (Biomedical Freezers, and Ultra Low Freezers) and incubation equipment (CO<sub>2</sub>, and Multi-gas Incubators) are being used in various customers' facilities such as universities, research laboratories, pharmaceutical companies and hospitals in 110 countries worldwide.

Visit us at:

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compare-energy-saving-model](https://www.phchd.com/global/biomedical/compare-energy-saving-model)

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# SAVE ENERGY



**Turn off all the lights when the room is unoccupied.**

**Alternative: Use a desk light when alone.**



**Shut down computers and turn off monitors after use.**

**Alternative: Set your computer to sleep mode.**



**Unplug all lab equipment not in use.**

**Alternative: Set an equipment timer to auto turnoff.**



**Turn off air-conditioning when last to leave the lab.**

**Alternative: Set temperature to a higher set point.**



**Turn off fume hoods when not in use.**

**Alternative: Use a moveable sash or shield.**



**Share laboratory equipment whenever possible**

**How: Time management and communication is key.**



**Label light switches and equipment with 'turnoff' stickers.**

**Why: A nice reminder for resident and visiting members.**

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# COLD STORAGE



**Raise the temperature setpoint (eg: -80°C to -70°C).**

**Why: Freezers/Fridges work harder to maintain lower setpoints.**



**Organize contents in the freezers/fridges with bins and labels.**

**Why: This will reduce door-openings which wastes energy.**



**Throw away items no longer required.**

**Why: This helps organize the freezer and also frees up space.**



**Defrost your freezer by removing frost buildup**

**Why: Freezers are pricey, this will lengthen the product lifespan.**



**Conduct a routine cleanup and checkup.**

**Why: This helps to free up space and defrost at the same time.**



**Upgrade to energy-efficient/smart equipment and accessories.**

**Why: Newer models are becoming more energy-efficient.**

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