

# How to make your experiment greener

## Planning

Use greener chemicals to minimize the release of hazardous substances

- Use solvent guides, such as **DOZN**
- E.g. use SYBR Safe instead of Ethidium Bromide



Plan your experiment wisely to minimize waste

- E.g. make smart pipetting plans
- Use refill solutions for tips; e.g. from Sarstedt:



## Disposal & Storage

**Avoid** and **separate waste** (only correctly separated plastic waste can be recycled!)

**Minimize autoclaving waste** as it is highly energy-intensive (always re-think whether autoclaving is really necessary)

Take care of **correct disposal** of hazardous substances

**Get rid of unnecessary samples** to empty fridges and freezers

Think about **sharing** or **donating** of unused consumables and equipment

Use **-70°C** instead of -80°C for sample storage (reduces the energy of the freezer by half!)



If you want to learn more about the different topics and what is already possible on our campus visit our **interactive info hub**.



This poster was compiled by the **Sustainability Working Group of the Faculty of Medicine**. If you want to learn more about our initiative, visit our **website** for more information!



## Ordering

Look for **sustainable alternatives** and **local manufacturers** to avoid e.g. overseas shipping

Check your lab **inventory** to avoid double purchase

Check for **right-sizing** to avoid waste of e.g. expired products/chemicals

**Ordering schedule:** Do collective orders to avoid multiple shippings and produce less packaging

Use on-site supply centers (e.g. NEB, Promega at CECAD)

If only small amounts of chemicals are needed, ask around in the institute if you can **borrow** some rather than ordering new

## Execution

**Plan** wisely to **reduce** waste

**Reuse** and **recycle** if possible

**Save energy:**

→ Always close the sash of **fume-hoods** or turn them off when not in use

→ **Turn off** all devices at the end of the day or over the weekend

