

# Lab sustainability just got cooler!

## THE BENEFITS OF USING FREEZER RACKING

### IT'S COOL TO BE ORGANISED

Your freezers may seem full to capacity, but are they filled in an efficient way? Do they contain tubes in bags or a mismatch of tube racks in different sizes and formats?

There are many benefits to having an organised freezer with storage boxes stacked neatly in stainless steel racking. A much higher storage capacity is one. And because of easier access to samples, shorter door opening times is another, so less energy is required for temperature recovery, and frost build up is also minimised. And when you do need to defrost your freezers, or you have the misfortune of a freezer failure, samples which are in freezer racking can be easily transferred to another freezer quickly.

Properly labelled and stored samples allows you to quickly find what you need. This saves you time and also helps to save energy consumption.



[www.starlab.click/freezer-racks](http://www.starlab.click/freezer-racks)

Freezer racking | sustainability benefits

### SAVE TIME

- ◆ Quicker access to your samples
- ◆ Improved sample inventory

### PROLONG THE INTEGRITY OF YOUR SAMPLES

- ◆ Easier access to samples means the door is open for shorter periods and samples experience less temperature fluctuation

### REDUCE ENERGY COSTS

- ◆ Optimising storage space in the freezer decreases the space where air can get in whilst the door is open, which minimises frost build up
- ◆ Easier access to samples limits door opening time, so less energy is needed to get back to temperature, and frost build up is also reduced
- ◆ For samples that need accessing frequently, use racks with pull-out drawers instead of racks with side access to minimise door opening time further
- ◆ Efficiently utilising all the space in your freezer could even reduce the number of freezers your lab needs to run

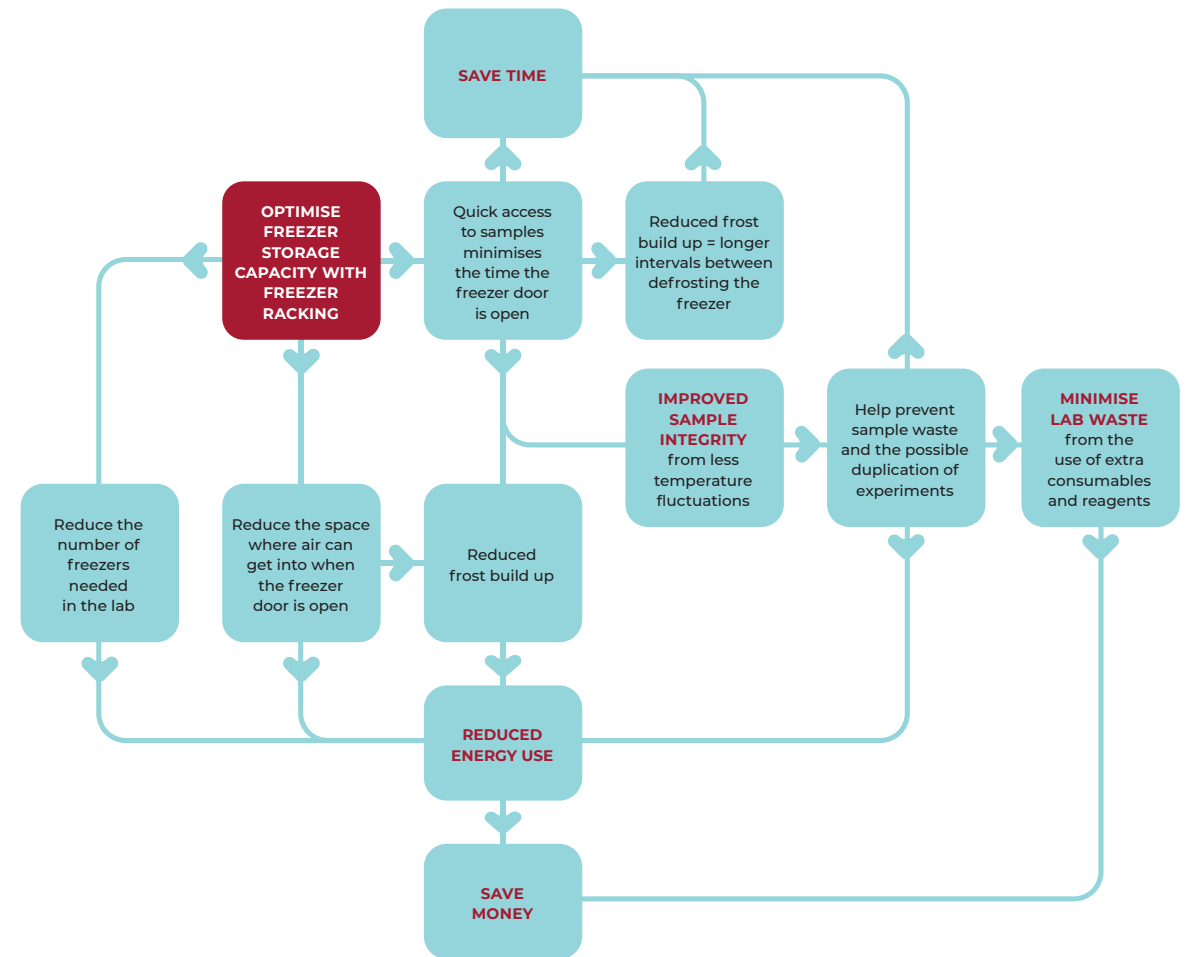


## SPEND LESS TIME LOOKING FOR SAMPLES, AND MORE TIME ON YOUR RESEARCH!

When samples are properly organised in a laboratory freezer, samples are less likely to be wasted or 'lost'. Creating a system for organising and managing laboratory freezers can encourage a culture of sustainability and responsible resource management within the laboratory. This can lead to more efficient use of resources and less risk of sample loss or waste and provide a reduced environmental impact over the long term.

### FREEZER MANAGEMENT, HINTS & TIPS

- ◆ To save energy, set your freezer to -70 °C instead of -80 °C if your sample type allows
- ◆ Defrosting and clearing ice around the door gaskets and breaker will allow the freezer to run more efficiently
- ◆ Have a clear out! Remove samples that are no longer needed to free up space
- ◆ Regular cleaning, defrosting and tidying a laboratory freezer will ensure that it's operating efficiently and not using more energy than necessary. This can reduce the overall energy consumption to lower the environmental impact of the freezer
- ◆ Consider sharing a freezer with another lab or department to reduce both energy consumption and operating costs
- ◆ Keep your freezers away from other lab equipment or heat sources eg. ovens, incubators, safety cabinets, sunny windows or radiators
- ◆ Do not store anything on top of your freezer as this can prevent good air circulation



The benefits of using freezer racking.

MADE FROM  
**85%**  
RECYCLED  
MATERIAL

## GET ORGANISED WITH STARLAB'S FREEZER RACKING

Manufactured to the highest specifications, Starlab's new range of freezer racking provides a lightweight but sturdy solution to keep your samples safe.

For upright freezers there are racks with side access, as well as racks with pull-out shelves to provide convenient access to the storage boxes without having to remove the whole rack. Tower racks are available for chest freezers. All the new freezer racking is suitable for use with **standard storage boxes up to 136 x 136 x 53 mm**. Racking for upright freezers with pull-out shelves is also available for use with Starlab's StarStore 100 storage boxes.



**SMOOTH**  
Laser cutting technology  
results in high quality units  
with no sharp edges



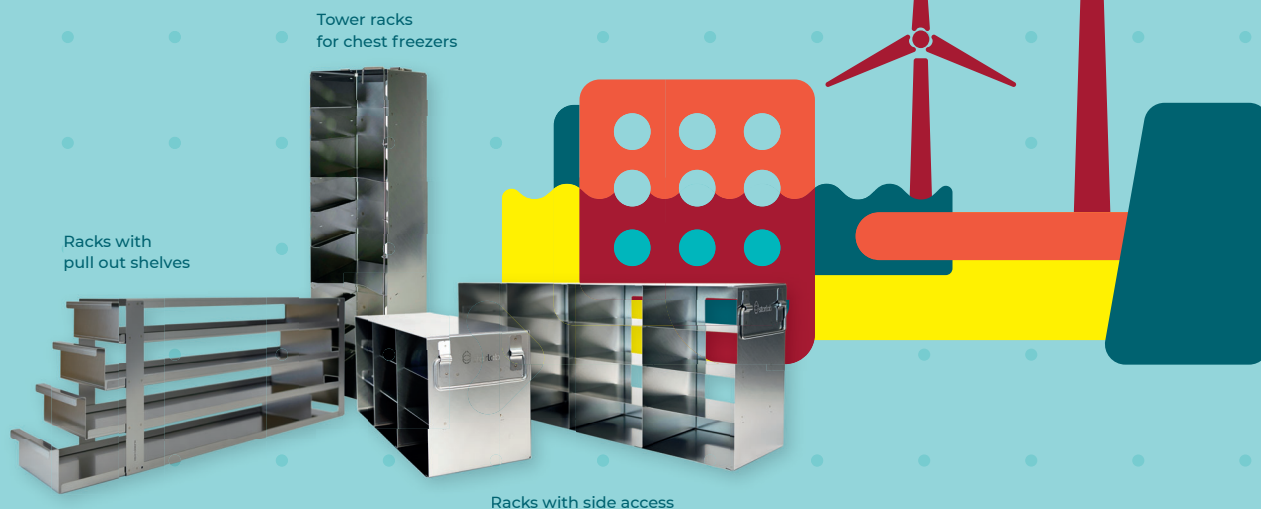
**BRANDED**  
Article No. etched  
onto every rack for  
easy reordering

[www.starlab.click/freezer-racks](http://www.starlab.click/freezer-racks)

## SUSTAINABILITY JUST GOT COOLER

- Freezer racking helps optimise capacity by keeping freezers tidy and maximising storage space for efficient energy use
- High quality racking prevents the need for regular repair or exchange
- Made from 85% recycled stainless steel
- Manufactured in a factory powered by 100% sustainable energy
- Made in Germany. Short journey from factory to customer reduces carbon footprint

#EcolutionMovement



Tower racks  
for chest freezers

Racks with  
pull out shelves

Racks with side access