

How to archive strains and plasmids?

All yeast and E.coli strains and plasmids that are received or constructed in the lab should be appropriately archived. If this is done immediately it is only little work with great benefit for everybody.

Plasmids:

pWDH collection

Choose running number from archive book and put in your entry with all relevant information including (if available):

- pWDH number
- other names
- size
- source
- short description
- date

Fill some amount into 2 screw cap tubes (orange cap) that are labelled with pWDHxxx and put clear tape around the label. Put in appropriate space in the duplicate boxes for the plasmid collection (in both -20°C).

E.coli strains:

WDH collection

Choose running number from archive book and put in your entry with all relevant information including (if available):

- WDH number
 - other names
 - genotype (or strain number of original strain)
 - information about plasmid if transformed strain
 - source
 - date
-
- Grow standing over night culture in LB containing the appropriate drug at 37°C .
 - Mix 0.5 ml with 4.5 ml of LB + 25% glycerol.
 - Fill two screw cap tubes (with green cap) about 3/4 full. Tubes should be labelled with WDHxxx and put clear tape around label.
 - Put in appropriate space in the duplicate boxes for the E.coli collection (in both -80°C).

yeast strains:**WDHY collection**

Choose running number from archive book and put in your entry with all relevant information including (if available):

- WDHY number
 - other names
 - genotype (or strain number of original strain)
 - information about plasmid if transformed strain
 - source
 - date
-
- Grow culture in appropriate medium (YPD if not transformed strain to select for plasmid) to stationary phase at 30°C.
 - Dilute 1:1 with 30% glycerol and mix.
 - Fill two 2 ml NUNC vials (with clear cap) about 3/4 full. NUNC vials should be labelled with WDHYxxx and put clear tape around the label.
 - Put in appropriate space in the duplicate boxes for the yeast collection (in both -80°C).

Please, enter all information into the archive program (File Maker Pro) and print a copy for Wolf.