

PLEASE READ!

Recommendations on how to handle the clones you receive

The clones you receive from us are usually shipped in LB agar stab culture format. Most (but not all) of the BAC or PAC clones are propagated in the **DH10B** E.coli host (either the original strain DH10B or the later T1-phage resistant version of DH10B). The bacteria harboring the plasmid (BAC, PAC, fosmid, cDNA or vector) have been inoculated into LB agar (containing 12.5ug/ml chloramphenicol for BAC clones or 25 ug/ml kanamycin for PAC clones or other antibiotics, as appropriate, for a specific non-BAC or non-PAC clone). The LB agar is placed in a small tube and this arrangement is called a "stab-culture" by microbiologists. Stab cultures are typically shipped at ambient ("room") temperature and should be placed in a refrigerator (40C) upon arrival. The few days at room temperature don't harm the plasmid. However, please note that the culture has a finite life at 4°C.

We strongly recommend that you streak this culture to single colonies on a LB agar plate with the appropriate antibiotic and prepare a glycerol stock of the clones for long term storage at -85°C. Please make sure also to confirm the content of the clones by your own favorite method (for instance PCR for a sequence expected to be unique for the clone). While our libraries have minimal well-to-well contamination, some colonies may not contain the expected plasmids. In most cases this is due to a database mismatch (see our **Q&A**). Hence, it is important, before initiating any experiments, to check at least one, or better 3-5 colonies (PCR, or diagnostic restriction digest). This to make sure that the clone stock that we sent you is pure and represents the gene or sequence of interest. More at <http://bacpacresources.org/clone-handling.htm>

Other Needed links:

BACPAC Resources web site:	https://bacpacresources.org/
Information about libraries:	https://bacpacresources.org/libraries.php
Protocols:	https://bacpacresources.org/protocols.htm
Ordering and Pricing information	https://bacpacresources.org/ordering_information.htm
Questions & Answers:	https://bacpacresources.org/FAQ.htm
Bank wire instruction:	https://bacpacresources.org/BankWireInstructions.pdf
NCBI –Clone DB:	https://www.ncbi.nlm.nih.gov/clone
UCSC Genome Browser:	http://genome.ucsc.edu/cgi-bin/hgGateway
Information about cloning vectors:	https://bacpacresources.org/vectors.htm

CLONES derived from libraries constructed in a BAC vectors (e.g. pBACe3.6, pTARBAC2) grow on medium with 12.5 ug/ml of chloramphenicol.

Useful Links for clone orders from CH321 & 322 libraries

General information about libraries:	https://bacpacresources.org/library.php?id=444 https://bacpacresources.org/library.php?id=445
Vector picture:	http://pacmanfly.org/images/pacman-bw.jpg
P[acman] Resources web site:	http://pacmanfly.org/libraries.html
P[acman] Publication:	https://www.ncbi.nlm.nih.gov/pubmed/19465919?
P[acman] genome browser:	http://flypush.imgen.bcm.tmc.edu/cgi-bin/gb2/gbrowse/getbac/