O.D.260 Inc
BETTER TOOLS, BETTER SCIENCE

Cosmid Construction Kit-2

The Cosmid Construction Kit -2 contains most of the reagents necessary to construct AdenoQuick2.0 cosmids via lambda packaging:

- The SfiI restriction enzyme is used to digest the 4 shuttle plasmids before ligating them to each other.
- OD101 is the *E. coli* strain used to construct and amplify adenovirus cosmid DNAs.
- Maltose and $MgSO_4$ are added to the *E. coli* culture to induce expression of the receptor for phage ?
- The ? packaging extract is used to package the DNA ligation products into the phage ? heads.
- The SM medium is used to stop the packaging reaction at the end of the 30-minutes incubation period.
- The Amp/Kan antibiotic mix will be used to select for colonies containing the adenovirus cosmid.

The reagents that the user needs to provide are:

- T4 DNA ligase
- Chloroform
- LB Lennox (liquid and petri dishes)

The SfiI restriction enzyme must be stored at - 20 ºC. The lambda packaging extract must be stored at - 70 ºC.



Info Sheet

Product_Informa...on_Kit-2.pdf (262.9 KB)