



Product Sheet

Saccharomyces cerevisiae AB320 genomic library in YEp13 *Escherichia coli* (ATCC® 37323™)

Saccharomyces cerevisiae

Please read this FIRST



Storage Temp.
Store the unopened frozen vial at -80°C



Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Saccharomyces cerevisiae* (ATCC® 37323™)

Shipping Information

Frozen glycerol stock of *Escherichia coli* containing the plasmid library

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: *Saccharomyces cerevisiae* AB320 genomic library in YEp13 *Escherichia coli*

Insert Information

Type of insert: genomic
Insert size: 5-20 kb
Type of digest: Sau3A partial
Markers: ampR, LEU2
Number of independent recombinants: 8.20x10⁴
Nonrecombinants (%): 50.0
Number of clones for complete coverage: 1.0x10⁴
Titer: 5.9x10¹⁰ cfu/mL

Vector Information

Name of vector: YEp13
Intact vector size (kb): 10.667
Type of vector: plasmid
Cloning sites: BamHI PvuII XhoI
Construction: pBR322, *S. cerevisiae* LEU2, 2 micron ori
Host range: *S. cerevisiae*; *E. coli*
Features:
promoter: none
marker(s): tetR, →, 89-1279
replicon: pMB1, 2540-2540
marker(s): ampR, <-, 3298-4158
marker(s): LEU2, →, 5843-6937
replicon: 2 micron, →, 8988-10329
Cross references: DNA Seq. Acc.: U03498
Distribution host: *Escherichia coli* RR1 (ATCC® 31343™)
Distributed: Frozen
Growth temperature: 37°C

Propagation

Grow the library on LB media + 50 µg/mL of ampicillin. Incubate at 37°C. Isolate DNA using standard plasmid preparation procedures.

Growth Conditions

Temperature: 37°C

Medium

ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

References

References and other information relating to this product are available online at www.atcc.org.

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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