



YXplac *S. cerevisiae*/*E. coli* shuttle vectors

87623™

Description

A set of YE, YC and YI-type *S. cerevisiae*/*E. coli* shuttle vectors (ATCC 87585 - ATCC 87593) with LEU2, URA3 or TRP1 markers. The vectors have the pUC19 polylinker (all 10 cloning sites unique) and allow lacZ detection of cloned inserts.

Components:

ATCC# Name *E. coli* marker *S. cerevisiae* marker

87585 YCplac22 ampR TRP1

87586 YCplac33 ampR URA3

87587 YCplac111 ampR LEU2

87588 YEplac181 ampR LEU2

87589 YEplac195 ampR URA3

87590 YEplac112 ampR TRP1

87591 Ylplac204 ampR TRP1

87592 Ylplac128 ampR LEU2

87593 Ylplac211 ampR URA3

Shipping information: *Escherichia coli* containing the plasmids

Storage Conditions

Product format: Frozen

Storage conditions: 2°C to 8°C

Intended Use

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

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Host: *Escherichia coli* HB101 (ATCC 33694)

Handling Procedures

Thaw contents of a vial in a 37°C water bath with gentle agitation. Transfer a loopful to a test tube containing 5 mL LB+50 µg/mL of ampicillin broth. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

Notes

Restriction digests of the vector gave the following bands (in kb): BglI 2.1, 1.8; PstI 3.9. ---ATCC staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: YXplac *S. cerevisiae*/*E. coli* shuttle vectors (ATCC 87623)

References

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

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