S. cerevisiae/E. coli YE-type pRS shuttle vectors

87535™

Storage Conditions

Product format: Frozen
Storage conditions: -20°C or colder

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.

Handling Procedures

aseptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 *u*L to a test tube containing 5 mL LB+50mg/mL of ampicillin. A loopful of culture can also be streaked on an LB + amp agar plate. Incubate cultures at 37^0 C. Isolate DNA using standard plasmid preparation procedures.

Notes

In *S. cerevisiae*, the copy number is about 20 per haploid cell.The ade2 phenotype produces red colonies when grown on media adenine containing media. This vector is useful for gene knockout experiments in hosts with a non-revertable ADE2 auxotrophic marker gene mutation.Restriction digests of the construct gave the following bands (in kb): BamHI 6.8; EcoRI 6.8; Bgl II 4.6, 2.2. -------ATCC staff

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: S. cerevisiae/E. coli YE-type pRS shuttle vectors (ATCC 87535)

References

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

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Contact Information

ATCC
10801 University Boulevard

S. cerevisiae/E. coli YE-type pRS shuttle vectors

87535

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor