



# ***Saccharomyces cerevisiae*** **Meyen ex E.C. Hansen**

**4003435™**

## **Description**

**Strain designation:** YCL028W BY4741 [3435]

**Deposited As:** *Saccharomyces cerevisiae* Hansen, teleomorph

**Type strain:** No

**Mating type:** a

**Genotype:** MATa his3delta1 leu2delta0 met15delta0 ura3delta0 deltaRNQ1

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## **Storage Conditions**

**Product format:** Frozen

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## **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.

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## **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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 2241: YEPD with geneticin 200 mcg/ml

**Temperature:** 25°C

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## Handling Procedures

**Frozen ampoules** packed in dry ice should either be thawed immediately or stored in liquid nitrogen. If liquid nitrogen storage facilities are not available, frozen ampoules may be stored at or below -70°C for approximately one week. **Do not under any circumstance store frozen ampoules at refrigerator freezer temperatures (generally -20°C).** Storage of frozen material at this temperature may result in the death of the culture.

Frozen ampules packed in dry ice should either be thawed immediately or stored in liquid nitrogen. If liquid nitrogen storage facilities are not available, frozen ampules may be stored at or below -70°C. **Do not under any circumstance store frozen ampules at refrigerator freezer temperatures (generally -20°C) for long-term storage.** Long-term storage

of frozen material at this temperature will result in the death of the culture.

1. To thaw a frozen ampule, place it at room temperature or in 30°C water bath, until just thawed (around 1.5 min). Immerse the ampule just sufficient to cover the frozen material.
2. Immediately after thawing, aseptically transfer the culture into a test tube or plate with medium recommended.
3. Incubate the test tube or plate at the temperature recommended.

**References:**

Winzeler EA, Shoemaker DD, Astromoff A, Liang H, Anderson K, Andre B, Bangham R, Benito R, Boeke JD, Bussey H, Chu AM, Connelly C, Davis K, Dietrich F, Dow SW, El Bakkoury M, Foury F, Friend SH, Gentalen E, Giaever G, Hegemann JH, Jones T, Laub M, Liao H, Davis RW. Functional characterization of the *S. cerevisiae* genome by gene deletion and parallel analysis. *Science* 285:901-906, 1999.

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**Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Saccharomyces cerevisiae* Meyen ex E.C. Hansen (ATCC 4003435)

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**References**

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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