



## Product Sheet

(209410)

Please read this **FIRST**



### Intended Use

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

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#### U.S. Patent Number:

5,750,830

### Technical Information

ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found on the international or [U.S. patent office](#) websites.

### Product Description

**Organism:** *Zea mays* Linnaeus  
, corn

### Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

### SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submerged 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 vessel exploding or blowing off its cap with dangerous force creating flying debris.

### Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below  $-130^{\circ}\text{C}$ , preferably in liquid nitrogen vapor, until ready for use.

### Comments

Inbred corn line  
White dent corn  
Suitable male parental line in crosses for producing F1 hybrid corn  
Adapted to the central Corn Belt USA  
resistant to: Stewart's wilt (*Erwinia stewartii*)  
resistant to: Goss's wilt (*Corynebacterium nebraskense*)  
resistant to: common rust (*Puccinia sorghi*)  
resistant to: European corn borer (*Ostrinia nubilalis*), second brood  
resistant to: European corn borer (*Ostrinia nubilalis*), first brood  
resistant to: northern leaf blight (*Exserohilum turcicum*)  
resistant to: corn lethal necrosis

### Propagation

#### Propagation Procedure

Techniques for cultivation and preservation of yeasts at ATCC are structured to conserve the genotype of a strain as it was deposited, including mutations specified by the depositor. To minimize selection pressure for revertants, strains are grown on media rich in amino acids and other nutrients. Strains are preserved by storage in liquid nitrogen vapor, the method most likely to stabilize genotype over long periods of time.

However, you have received this strain containing millions of cells. Some cells in this population may have genotypes different from that specified in the reference guide. Within a given culture, the exact proportion of cells possessing the designated genotype can vary. **Customers are advised to subject**



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**strains to suitable selection in order to recover a population containing the designated genotype in high frequency.** Methods for selection are often detailed in the literature cited by the reference guide. Although ATCC provides literature citations for specific strains whenever possible, it is the responsibility of the customer to obtain such literature.

**Notes**

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

**References**

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

**ATCC Warranty**

Patent Deposits not produced or characterized by ATCC are warranted for viability only. If you believe the culture you have received is nonviable, contact Technical Services by phone at 800-638-6597 or 703-365-2700 or by e-mail at [tech@atcc.org](mailto:tech@atcc.org). Or you may contact your local distributor.

**Disclaimers**

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**Disclosure**

This material is cited in a US or other Patent and may not be used to infringe the claims. Depending on the wishes of the Depositor, ATCC may be required to inform the Patent Depositor of the party to which the material was furnished. Additional information on this culture may be available on the ATCC web site at [www.atcc.org](http://www.atcc.org). © ATCC 2015. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [09/13]

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