



# *Fusarium venenatum* Nirenberg

20334™

## Description

An ampoule containing viable cells (may include spores and mycelia) suspended in cryoprotectant.

**Strain designation:** I 0/5 [A 3/5, IMI 145425, NRRL 25417]

**Deposited As:** *Fusarium graminearum* Schwabe

**Type strain:** No

**Patent depository:** This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

**Patent number:**

3,937,693

**Technical information:** ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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## Intended Use

This product is intended for laboratory research use only. It is not intended for any

## ***Fusarium venenatum* Nirenberg**

20334

animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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### **BSL 1**

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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**

## ***Fusarium venenatum* Nirenberg**

20334

**Medium:**

ATCC Medium 323: Malt agar medium

ATCC Medium 325: Malt extract agar (Blakeslee's formula)

ATCC Medium 28: Emmons' modification of Sabouraud's agar/broth

**Temperature:** 25-30°C**Atmosphere:** Aerobic

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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 will result in the death of the culture.

1. To thaw a frozen ampoule, place in a **25°C to 30°C** water bath, until just thawed (**approximately 5 minutes**). Immerse the ampoule just sufficient to cover the frozen material. Do not agitate the ampoule.
2. Immediately after thawing, wipe down ampoule with 70% ethanol and aseptically transfer at least 50 µL (or 2-3 agar cubes) of the content onto a plate or broth with medium recommended.
3. Incubate the inoculum/strain at the temperature and conditions recommended.
4. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after **4-5** days of incubation. However, the time necessary for significant growth will vary from strain to strain.

**Morphology:** After 13 days on Malt agar medium at 30°C, colonies are restricted, heaped, pale orange. No sporulation observed. After 7 days on Emmons' modification of Sabouraud's agar at room temperature with a natural day/night cycle, colony is thick, velutinous, pale orange. Macroconidia abundant, falcate, 5-septate.

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### **Notes**

A natural light/dark cycle may be necessary for sporulation.

Additional, updated information on this product may be available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

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### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Fusarium venenatum* Nirenberg (ATCC 20334)

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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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20334

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**Revision**

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