*Coprinopsis cinerea* (Schaeff.) Redhead, Vilgalys et Moncalvo

**MYA-4618™**

**Description**

An ampoule containing viable cells (yeast cells, spores, or agar cubes with mycelia) suspended in cryoprotectant.

- **Strain designation** FGSC 9003 [okayama7#130]
- **Deposited As** *Coprinus cinereus* (Schaeff.) Gray
- **Type strain** No
- **Mating type** A43B43
- **Genotype** ade8-1

**Storage Conditions**

- **Product format** Frozen
- **Storage conditions** -80°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
Coping with vials. For cultures that require storage in liquid nitrogen, it is important to note that some
vials may 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 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

• Medium
  ATCC Medium 200: YM agar or YM broth
  ATCC Medium 336: Potato dextrose agar (PDA)
  ATCC Medium 324: Malt extract agar
• Temperature 24-26°C
• Atmosphere Aerobic

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. Inspect for
growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 3-5
days of incubation. However, the time necessary for significant growth will vary from strain to strain.

**Notes**

Genome sequencing strain (Broad Institute, USA); *Coprinus cinereus* as a synonym. Additional information on this culture is available on the ATCC® web site at www.atcc.org.

**Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Coprinopsis cinerea* (Schaeff.) Redhead, Vilgalys et Moncalvo (ATCC MYA-4618)

**References**

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

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