Fusarium keratoplasticum
(ATCC® 36031™)

Please read this FIRST

Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section

Biosafety Level 2

Intended Use

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

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Fusarium keratoplasticum (ATCC® 36031™)

DNA Sequence

18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

ATCC Medium 28: Emmons’ modification of Sabouraud’s agar
ATCC Medium 200: YM agar or YM broth
ATCC Medium 336: Potato dextrose agar (PDA)

Growth Conditions

Temperature: 24°C to 26°C
Atmosphere: Typical aerobic

Recommended Procedure

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 sufficiently 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 5-6 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Notes

This strain appeared to be a slow grower and less hardy than other Fusarium strains. Sporulation was also less and slower than other strains.

Additional, updated information on this product may be available on the ATCC® web site at www.atcc.org.

D1D2 region of the 28S ribosomal RNA gene

ATACATCAATAGGCGAGAAGAAGAAACCAAGGGATTGCCCCAGTAACGCGGAATCGGAACGACAG
AGATCCTTTCATTGTGGTCTTGCGGAGCGCGATGCGTGCGTGAATGCGGCAACCTCGTCTTCTCAA
TAGCTAATGGGAGCCTCGTCTGCGGATGCAGGCTGCAACCTCGTCTTCTCAA
CTATACATTGCGGCAACCTCGTCTTCTCAA
CCCTAATGCGGCAACCTCGTCTTCTCAA
CGCAGACCGGACGTTTAAACACCCAACTTCTGAATTGGACACATCGGTAAGGAACTCCCGCT
GAACATACATCGAATATAA

Or contact your local distributor
Isolation

Corneal ulcer in man, Anambra State, Nigeria

References

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

Biosafety Level: 2

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.

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