



Product Sheet

# *Aspergillus brasiliensis* (ATCC® CRM-16404™)

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.

Certified Reference Material produced under an [ISO Guide 34:2009](#) accredited process.



## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Aspergillus brasiliensis* (ATCC® CRM-16404™)

American Type Culture Collection  
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Manassas, VA 20108 USA  
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## Description

**Strain Designation:** WLRI 034(120) [CBS 733.88, DSM 1387, DSM 1988, IFO 9455, IMI 149007, NCPF 2275]

**Deposited Name:** *Aspergillus niger* van Tieghem, anamorph

**Product Description:** Lyophilized fungal spores and mycelium residue in a vial

## Propagation

The information recommended in this section is to assist users in obtaining living culture(s) for their studies. The recommendation does not imply that the conditions or procedures provided below are optimum. Experienced researchers may initiate the growth of a culture in their own way.

ATCC® Medium 336: Potato dextrose agar (PDA)

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

ATCC® Medium 28: Emmons' modification of Sabouraud's agar

## Growth Conditions

**Temperature:** 24°C to 30°C

**Atmosphere:** Typical aerobic

## Recommended Procedure

### For freeze-dry (lyophilized) ampoules:

1. Open vial according to enclosed instructions.
2. From a single test tube of sterile distilled water (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a sterile pipette and apply directly to the pellet to rehydrate it. Stir to form a suspension.
3. Aseptically transfer the rehydrated pellet (suspension) back into the test tube with the sterile distilled water. Mix well.
4. Let the test tube sit at room temperature (~23 °C) for at least 2 hours, if not overnight.
5. Mix the suspension well. Use several drops to inoculate a test tube or slant or a plate with recommended medium.
6. Incubate the test tube or plate at the temperature recommended.

**Colony and Cell Morphology:** Colonies initially white or yellowish, mycelium growing rapidly (to cover plate in 5 to 10 days), soon producing dense layer of erect smooth-stiped, thick-walled conidiophores terminated by globose vesicles bearing phialides (uniseriate) or (commonly) metulae with phialides (biseriate) which produce dry chains of conidia. Revers of plate pale to grayish or greenish yellow, often showing radiating ridges in mycelium. Spore heads radiate, sometimes dividing into columns with age, initially pale, becoming dark brown to black. Individual conidia spherical, mid-to-dark brown, highly roughened with ridges and blunt or pointed protuberances, (3-)-4-5(-6) micrometers in diameter.

## Notes

Certificates of Analysis are available electronically at [www.atcc.org](http://www.atcc.org), or by hardcopy upon request.

Sporulation may be inhibited in plates sealed completely with tape. Colonies grown directly from rehydrated spores may exhibit sectoring, with areas of varying levels of sporulation. Intermittent light exposure helps sporulation after incubating 48 hours at 30°C.

This strain was identified as belonging to the new species *Aspergillus brasiliensis*, described in the following two publications:

1. Varga et al. 2007. Int. J. Syst. Evol. Microbiol. 57:1925-1932.
2. Houseknecht, J., Stamenova, E., Suh, S.-O., Beck, B., McKee, M. & Zhou. J. 2008. Reclassification of ATCC® 16404™ and ATCC® 9642™ as *Aspergillus brasiliensis*. Pharmaceutical Microbiology Forum Newsletter 14: 2-8.

## Isolation

Blueberry, North Carolina, USA

## References

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



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### 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

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### Disclaimers

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

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

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