

Cryptococcus gattii, Strain Alg115

Catalog No. NR-50191

Product Description: *Cryptococcus gattii* (*C. gattii*), strain Alg115 is the progeny of a genotypic cross between *C. gattii* strains R265 and Alg114.

Lot¹: 63910612

Manufacturing Date: 22JAN2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ² Colony morphology ² Canavanine-glycine-bromthymol blue (CGB) differential medium ³	Report results Report results Report results	Globose to ovoid, single or budding (Figure 1A) Circular, shiny and entire (Figure 1B) Blue
Genotypic Analysis Sequencing of partial 18S rRNA gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 550 base pairs) Sequencing of 26S rRNA gene (620 base pairs)	≥99% sequence identity to <i>C. gattii</i> (GenBank: FJ914888.1) ≥99% sequence identity to <i>C. gattii</i> (GenBank: KC171326.1)	100% sequence identity to <i>C. gattii</i> (GenBank: FJ914888.1) 100% sequence identity to <i>C. gattii</i> (GenBank: KC171326.1)
Purity⁴ Nutrient broth with 0.1% Yeast Extract at 25°C Nutrient broth with 0.1% Yeast Extract at 37°C	No bacterial growth No bacterial growth	No bacterial growth No bacterial growth
Viability (post-freeze)²	Growth	Growth

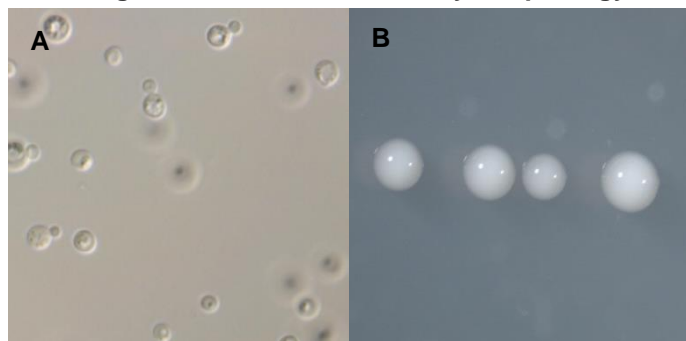
¹NR-50191, lot 63910612, was produced by incubation of seed material in modified Sabouraud Dextrose medium and incubated for 4 days at 25°C in an aerobic atmosphere. Yeast were harvested from agar plates with 20% glycerol prior to vialing.

²2 days at 25°C in an aerobic atmosphere on modified Sabouraud Dextrose agar

³5 days at 26°C in an aerobic atmosphere. CGB medium differentiates *C. gattii* from *C. neoformans* based on the ability of *C. gattii* isolates to grow in the presence of L-canavanine and to assimilate glycine as a sole carbon source, resulting in a blue color. *C. neoformans* isolates will show yellow to light-green on CGB medium. [McTaggart, L., et al. "Rapid Identification of *Cryptococcus neoformans* var. *grubii*, *C. neoformans* var. *neoformans*, and *C. gattii* by Use of Rapid Biochemical Tests, Differential Media, and DNA Sequencing." *J. Clin. Microbiol.* 2011 (49): 2522-2527. PubMed: 21593254.]

⁴Clarity of broth was determined by visual inspection after 7 days at 25°C and 37°C in an aerobic atmosphere.

Figure 1: Cellular and Colony Morphology



Certificate of Analysis for NR-50191

Date: 18 JUL 2016

Signature:



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