

***Histoplasma capsulatum*, Strain WU24**

**Catalog No. NR-48970**

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**Product Description:** *Histoplasma capsulatum* (*H. capsulatum*), strain WU24 was isolated in 2003 from a patient with a history of HIV infection in Missouri, USA.

**Lot<sup>1</sup>: 64128358**

**Manufacturing Date: 04MAR2016**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology <sup>2</sup> Colony morphology <sup>3</sup>	Report results Report results	Budding yeast-like (Figure 1) Circular, convex, entire, smooth and cream (Figure 2)
<b>Genotypic Analysis</b> Sequencing of partial 18S rRNA gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, (~ 630 base pairs) Sequencing of partial 28S rRNA gene (580 base pairs)	≥ 99% sequence identity to <i>H. capsulatum</i> ≥ 99% sequence identity to <i>H. capsulatum</i>	100% sequence identity to <i>H. capsulatum</i> (GenBank: AF3223789.1) 100% sequence identity to <i>H. capsulatum</i> (GenBank: AB176473.1)
<b>Purity<sup>4</sup></b> Nutrient broth with 0.1% yeast extract; 25°C and 37°C	Broth transparent, no observed bacterial growth	Broth transparent, no observed bacterial growth
<b>Viability (post-freeze)<sup>2,3</sup></b>	Growth	Growth

<sup>1</sup>NR-48970 was produced by growth of the deposited material on Modified Sabouraud Dextrose medium kolles for 28 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. Fungi were harvested from kolles with broth, centrifuged and the supernatant was removed. The fungal pellet was resuspended in 20% glycerol.

<sup>2</sup>18 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Modified Sabouraud Dextrose agar

<sup>3</sup>18 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Modified Sabouraud Dextrose agar

<sup>4</sup>Purity of this lot was evaluated by visual inspection of broth clarity after 18 days in Nutrient broth with 1% yeast at 25°C and 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.

**Figure 1: Cellular Morphology**



**Figure 2: Colony Morphology**



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