

Candida krusei, Strain CAB39-6420
Catalog No. HM-1122
Product Description:

Candida krusei (*C. krusei*), strain CAB39-6420 was isolated in February 2012 from human blood in St. Louis, Missouri, USA. (Note: The strain designation on the vial label for lot 70033242 is incorrect. The correct strain designation is CAB39-6420.) HM-1122 lot 70033242 was produced by inoculation of the deposited material onto Yeast Mold agar, which was grown for 4 days at 25°C in an aerobic atmosphere. The agar growth was harvested with 20% glycerol to produce this lot.

Lot: 70033242
Manufacturing Date: 10FEB2020

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar Colony morphology Biochemical Tests VITEK® 2 (YST card) VITEK® MS (MALDI-TOF)	Report results Report results <i>C. krusei</i> (≥ 89%) <i>C. krusei</i> (≥ 90%)	Globose to elongated; in singles and in clusters; pseudohyphae observed Circular, entire, butyrous, smooth, dry and cream <i>C. krusei</i> (99%) <i>C. krusei</i> (99.9%)
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 470 base pairs) Sequencing of 28S rRNA gene (~ 590 base pairs)	≥ 99% sequence identity to <i>C. krusei</i> type strain (GenBank: CP028774.1) ≥ 99% sequence identity to <i>C. krusei</i> type strain (GenBank: CP028774.1)	100% sequence identity to <i>C. krusei</i> type strain (GenBank: CP028774.1) 100% sequence identity to <i>C. krusei</i> type strain (GenBank: CP028774.1)
Purity Nutrient broth with 0.1% Yeast Extract at 25°C 3 days at 25°C in an aerobic atmosphere Nutrient broth with 0.1% Yeast Extract at 37°C 3 days at 25°C in an aerobic atmosphere	No bacterial growth No bacterial growth	No bacterial growth No bacterial growth
Viability (post-freeze) 3 days at 25°C in an aerobic atmosphere on Yeast Mold agar	Growth	Growth

/Heather Couch/
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04 SEP 2020

Program Manager or designee, ATCC Federal Solutions

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