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Kluyveromyces marxianus

National Cancer Institute

Source

National Cancer Institute. *Kluyveromyces marxianus*. NCI Thesaurus. Code C114256.

A dimorphic, homothallic and hemiascomycetous yeast in the phylum Ascomycota. This species is respiro-fermentative, Crabtree negative, thermotolerant, and assimilate lactose and insulin. This species also has a characteristically high growth rate and secretory capacity. *K. marxianus* is a biocatalyst and used industrially to produce beta-galactosidase, beta-glucosidase, inulinase, and polygalacturonases. It is also used as baker's yeast and an anticholesterolemic agent.