Validation of *Candida citrica* (Furukawa, Matsuyoshi, Minoda *et* Yamada)

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Abstract

Candida citrica has been named (1), but valid description has not been published. Therefore, it will be described here as a new species of *Candida*.

Latin diagnosis of *Candida citrica* nov. sp.

In medio liquido cum glucoso et extracto levedinis et peptono, post dies tres ad 25 °C, cellulae ovoidae vel elongatae (5.5–11) (6–15) µm in diametro, singulae aut binae vel in parvis catenis connexae. Annulus et sedimentum formantur. Post unum mensem ad 17 °C, in agar peptonato cum glucoso et extracto levedinis, cultura albido brunnea, rugosa et butyrosa, cum margine ab pseudomycelio fimbriato. In agar farinae *Zea mays* ad 25 °C, post dies septem, pseudomycelium et mycelium verum formantur. Ab ascosporibus ballistosporibus, endosporibus, teliosporibus et arthrosporibus vacatum est. Glucosum, galactosum (lente), sucrosum, maltosum, et trehalosum fermentantur ac non lactosum, melibiosum nec raffinose. Glucosum, galactosum, sucrosum, maltosum, cellobiosum, trehalosum, melezitosum, D-xylosum, ethanolum, glycerolum, ribitolum, D-mannitolum, D-glucitolum, alfa-methyl-D-glucosidum, acidum succinicum, et acidum citricum assimilantur ac non lactosum, L-sorbose, melibiosum, raffinose,

inulinum, amyllum solubile, L-arabiosum, D-arabiosum, D-ribosum, L-rhamnosum, i-erythritolum, galactitolum, salicinum, DL-acidum lacticum, i-inositolum, arbutinum nec nitras kalicus. Ad crescentiam vitaminarum externarum necessariae sunt; ad incrementum biotinum necessarium est. Ad temperatura 40–41 °C, crescit. Arbutinum non finditur. Urea non finditur. In medio osmotico non crescit. Acidum formatur. Proportio molaris guanini et cytosini in acido deoxyribonucleico 46.1–46.6 mol%.

Typus: Cultura FERM-P 1528 ex ignoto origine isolatus. In Collectione zymotica Fermentatio Investigatione Instituti, Tokyo Universitatis, Tokyo, Japoniae deposita est.

References

1. Furukawa, T., T. Matsuyoshi, Y. Minoda & K. Yamada, 1977. Fermentative production of citric acid from n-paraffins by yeast. J. Ferment. Technol. 55: 356–363.