

II. ДРОЖДИ И ПЛЕСЕНИ

Aspergillus brasiliensis Varga et al. 2007

NBIMCC 3564

History:	IMI 149007. ATCC 16404, CBS 733.88, DSM 1988, DSM 1387, CECT 2574, IFO 9455, IHEM 3766, MUCL 30113, NBIMCC 8987 , WDCM 00053 . Strain WLRI 034(120). S.M. Ringel. Blueberry, North Carolina, USA. (<i>Aspergillus niger</i>)
Cultivation:	Medium 15, 17/28°C
Biosafety level:	2
Species identity:	Confirmed by MALDI-TOF (99.9%), biochemical and morphological characteristics
Application:	Quality control of foods, media, disinfectants. European Pharmacopoeia

Aspergillus flavus Link 1809

NBIMCC 916

History:	IMI 52104. Soil, Sudan
Cultivation:	Medium 2, 17/28°C
Biosafety level:	2
Species identity:	Confirmed by MALDI-TOF (99.9%) and morphological characteristics
Application:	Quality control of media

Candida albicans (Robin) Berkhout 1923

NBIMCC 74

History:	BTCC. ATCC 10231, NIH 3147, NCYC 1363, DSM 1386, CBS 6431, IHEM 3731, IFO 1594, NCPF 3179, WDCM 00054 . Strain Emmons
Cultivation:	Medium 285/25°C
Biosafety level:	2
Species identity:	Confirmed by ID 32 C (99.6%), AUXACOLOR 2 and Candiselect test
Application:	Quality control of foods, media, disinfectants and antiseptics. European Pharmacopoeia. Esterasic activity. Testing of bronchomycosis. Assay of haloprogin, amphotericin B and nistatin. Production of autoantibiotics, phenethyl alcohol and tryptophol

NBIMCC 8794

History:	CCUG 34466. ATCC 2091, NCYC 854, CBS 2730, DSM 1665, CECT 1392, CCM 8226, CIP 1180.79, IHEM 3740, IFO 1393, MUCL 38887, NRRL Y-79, NBRC 1393, WDCM 00055 . Strain 132. (<i>Endomyces albicans</i>). Serotype A
Cultivation:	Medium 285, 468/25-28°C
Biosafety level:	2
Species identity:	Confirmed by ID 32 C (99.9%)
Application:	Quality control of media and disinfectants. Sterility testing. European Pharmacopoeia. Produces aspartyl proteinase

***Candida parapsilosis* (Ashford) Langeron and Talice 1932**

NBIMCC 78

- History:** BTCC. VKM Y 58, CBS 604, ATCC 22019, DBVPG 6150, DSM 5784, IFO 1396, IGC 2545, JCM 1785, NCYC 601, NRRL Y 12969. Case of sprue, Puerto Rico
- Cultivation:** Medium 285/26°C
- Biosafety level:** 2
- Species identity:** Confirmed by API 20 C AUX (99.9%)
- Application:** **Type strain.** Quality control strain. Susceptibility testing. Assay of itraconazole and ketoconazole. Produces (S)-1,3-butanediol dehydrogenase and lipase. Degrades phenol and hydroxybenzoate

***Candida tropicalis* (Castellani) Berkhout 1923**

NBIMCC 8797

- History:** CCUG 34274. ATCC 750, IFO 1400, NBRC 1400, FMJ 1017, CBS 94, DSM 11953, CECT 1440, IHEM 10285, MUCL 29893, BCRC 20520, DBVPG 3982, JCM 1541, NRRL Y-607. Patient with bronchomycosis. (*Monilia tropicalis*)
- Cultivation:** Medium 285, 468/25-28°C
- Biosafety level:** 2
- Species identity:** Confirmed by ID 32 C (96.7%)
- Application:** **Type strain.** Control strain for typing systems. Bacterial resistance testing, antifungal susceptibility testing. Utilizes phenol, catechol and 3- and 4-methylcatechols as sole carbon source. Esterase activity; produces aspartyl proteinases, ethanol, xylitol. Transformation host

***Issatchenkia orientalis* Kudryavtsev 1960**

NBIMCC 8796

- History:** CCUG 35869. ATCC 6258, DSM 6128, CBS 573, CECT 10688, IHEM 9560, CCY 29-9-94, IFO 1064, JCM 1609, MUCL 29849, NBRC 1064, CCRC 20514, KCTC 7213, NRRL Y-413. Human sputum, patient with bronchomycosis, Sri Lanka. *Candida krusei*, (*Endomyces krusei*, *Saccharomyces krusei*)
- Cultivation:** Medium 285, 468/25-28°C
- Biosafety level:** 1
- Species identity:** Confirmed by ID 32 C (97.8%)
- Application:** **Type strain** of *Saccharomyces krusei* (*Endomyces krusei*). Esterase activity, assay of itraconazole, ketoconazole. Antifungal susceptibility testing, reference strain for Etest, sterility testing. Control strain for API products

***Mucor racemosus* Fresenius 1850**

NBIMCC 7106

History: BTCC. IMI 17313. Meat in cold storage, UK
Cultivation: Medium 2, 9/25°C
Biosafety level: 1
Species identity: Confirmed by MALDI-TOF (99.9%) and morphological characteristics
Application: Quality control of media

***Penicillium solitum* Westling 1911**

NBIMCC 8795

History: CECT 20818. IHEM 18001, UMIP 1186.79, **WDCM 00056**. (*Penicillium aurantiogriseum*, *Penicillium cyclopium*)
Cultivation: Medium 1, 2, 9/28°C
Biosafety level: 1
Species identity: Confirmed by Biolog F (37.4% sim.) and morphological characteristics
Application: Quality control of disinfectants

***Penicillium venetum* (Frisvad) Frisvad 2000**

NBIMCC 8792

History: CECT 2812. ATCC 16025, CBS 201.57, IMI 19759, IHEM 19610, MUCL 19012, **WDCM 00057**. Bulb of *Hyacinthus* sp., UK. *Penicillium hirsutum*, *Penicillium hirsutum* var. *venetum*. (*Penicillium cyclopium*)
Cultivation: Medium 2, 9/25°C
Biosafety level: 1
Species identity: Checked by morphological characteristics
Application: Quality control of foods and media. Fungus resistance testing of electrical and electronic equipment

***Saccharomyces cerevisiae* Meyen and Hansen 1883**

NBIMCC 541

History: CCY 21-4-54. ATCC 9763, CBS 2978, CCY 21-4-48, CCRC 20822, DSM 1333, CBS 5900, NRRL Y-567, NCYC 87, CECT 1383, NCTC 10716, MUCL 30115, 31497, IHEM 3961, **WDCM 00058**. Distillery yeast
Cultivation: Medium 285/25°C
Biosafety level: 1
Species identity: Confirmed by API 20C AUX (98.7%), ID 32 C (99.7%) and AUXACOLOR 2
Application: Quality control of foods, media and disinfectants. Assay of candididin, amphotericin, nystatin. Production of arginase

NBIMCC 8793

History: CECT 13084, IHEM 17987, MUCL 27817, DSM 70487, CCM 8381, **WDCM 00059**. Strain C-602 (Gilliland, R.B.), Sa-1104 (Winidisch, S.). Super-attenuated beer. (*Saccharomyces diastaticus*). *Candida robusta*, anamorph

Cultivation: Medium 285, 468/25-28°C

Biosafety level: 1

Species identity: Confirmed by API ID 32 C (99.7%)

Application: Quality control of disinfectants

***Saccharomyces kudriavzevii* Naumov et al. 2000**

NBIMCC 3663

History: NCYC 853, ATCC 2601, CECT 1324, CBS 679, CCY 21- 4- 47, CCRC 20824, CNCTC 53/67, DSM 3774, NRRL Y- 53. (*Saccharomyces cerevisiae*, *Saccharomyces bayanus*, *Zygosaccharomyces prioranus*). No vitamin requirement

Cultivation: Medium 285/25°C

Biosafety level: 1

Species identity: Confirmed by API 20 C AUX (97.9%)

Application: Assay of nystatin and amphotericin B

***Zygosaccharomyces rouxii* (Boutroux) Yarrow 1977**

NBIMCC 3662

History: NCYC 381, CBS 7804, CECT 1229, DSM 7525, CCUG 37600, IHEM 3993, IMI 349024; IP 2021.92, IFO 1960, BCRC 21859. Cane sugar. (*Saccharomyces rouxii*)

Cultivation: Medium 285, 444/28°C

Biosafety level: 1

Species identity: Checked by API 20 C AUX; confirmed by API ID 32 C (98.4%) to genus level

Application: Quality control of media. Disinfectants and preservation testing