

# REFERENCE STRAIN CATALOGUE PERTAINING TO ORGANISMS FOR PERFORMANCE TESTING OF CULTURE MEDIA

This catalogue is placed on line in response to a request by the ISO TC 34 SC 9 Joint Working Group 5 and the ICFMH-WPCM.

## Foreword

This catalogue was produced to enable broader and easier access to the reference strains listed by the ISO TC 34 SC 9 Joint Working Group 5 in the ISO 11133<sup>1</sup> and by the Working Party on Culture Media of the International Committee on Food Microbiology and Hygiene (ICFMH-WPCM) in their publication *Handbook of Culture Media for Food and Water Microbiology*.<sup>2</sup> It fulfils a need expressed by these bodies for a unique system of identifiers for strains recommended for use in quality assurance. The WFCC and the WDCM have initiated a system that will help users find local sources of the reference strains by citing all collections and providing contact details and the collection's unique reference. Future publications of the ISO and ICFMH-WPCM will cite the WDCM reference number for each strain and this catalogue provides the collection acronyms and strain numbers of the relevant strains so that they may be found.

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<sup>1</sup> ISO 11133:2014, Annex E. Test microorganisms and performance criteria for culture media commonly used in food microbiology and Annex F. Test microorganisms for culture media commonly used in water microbiology

<sup>2</sup> Corry, J E L, Curtis, G D W and Baird, R M (Eds) *Handbook of Culture Media for Food and Water Microbiology*. 3<sup>rd</sup> edition. Royal Society of Chemistry, Cambridge, UK. 2012.

## Part 1: Strains

### Bacteria

#### *Acinetobacter* sp.

WDCM 00060 | CECT 8149; NCIMB 10764; NCIMB(QC) 50011

#### *Aerococcus viridans*

WDCM 00061 | ATCC™ 11563; BCRC 14290; CCM 1914; CCUG 4311; CECT 978; CIP 54.145; DSM 20340; HNCMB 86001; IFO 12219; LMG 17931; NCIMB 11775; NCIMB(QC) 50012; NCTC 8251

#### *Aeromonas caviae*

WDCM 00062 | ATCC™ 15468; BCRC 16001; CCM 4491; CCUG 25939; CECT 838; CGMCC 1.196; CIP 76.16; DSM 7323; LMG 3775; NCIMB 13016; NCTC 12244

#### *Aeromonas hydrophila*

WDCM 00063 | ATCC™ 7966; BCRC 13018; CCM 7232; CCUG 14551; CECT 839; CGMCC 1.2017; CIP 76.14; DSM 30187; JCM 1027; LMG 2844; NCIMB(QC) 50013; NCTC 8049

#### *Aeromonas sobria*

WDCM 00064 | ATCC™ 35993; CCUG 14550; CECT 4053; DSM 24388; LMG 12670; NCTC 11215

#### *Arcobacter butzleri*

WDCM 00065 | ATCC™ 49616; CCUG 30485; CECT 8221; CIP 103537; DSM 8739; LMG 10828; NCTC 12481

#### *Arcobacter cryaerophilus*

WDCM 00066 | ATCC™ 43158; CCM 3933; CCUG 17801; CECT 8222; CIP 104014; DSM 7289; LMG 24291; NCTC 11885

#### *Arcobacter skirrowii*

WDCM 00067 | ATCC™ 51132; CCUG 10374; CECT 8223; CIP 103538; DSM 7302; LMG 6621; NCTC 12713

#### *Bacillus cereus*

WDCM 00001 | ATCC™ 11778; BCRC 10446; CCM 869; CECT 193; CIP 64.52; DSM 345; LMG 8221; NBIMCC 1085; NCIMB 8012; NCIMB 9231; NCTC 10320

WDCM 00151 | ATCC™ 7004; BCRC 11837; CECT 8168; LMG 6910; NCIMB 8079; NCTC 13637; NRS 721

***Bacillus coagulans***

WDCM 00002 | ATCC™ 7050; BCRC 10606; CCM 2013; CCUG 7417; CECT 12; CGMCC 1.2009; CIP 66.25; CN 2202; DSM 1; FIRDI 606; IAM 1115; IAM 12463; IFO 12583; JCM 2257; LMG 17450; LMG 17455; LMG 6326; NBIMCC 1511; NCFB 1761; NCIMB 9365; NCTC 10334; NRRL NRS-609; OUT 8348; OUT 8403; USCC 2116

***Bacillus licheniformis***

WDCM 00068 | ATCC™ 14580; BCRC 11702; CCM 2145; CCUG 7422; CECT 20; CGMCC 1.3649; CIP 52.71; DSM 13; IFO 12200; JCM 2505; LMG 12363; NCIMB 9375; NCIMB(QC) 50016; NCTC 10341

***Bacillus stearothermophilus***

[See *Geobacillus stearothermophilus* and WDCM 00069]

***Bacillus subtilis***

WDCM 00070 | CECT 8266; LMG 17728; NCIMB 13061; NCIMB(QC) 50018; NCTC 5398

***Bacillus subtilis* subsp. *spizizenii***

WDCM 00003 | ATCC™ 6633; BCRC 10447; CCM 1999; CECT 356; CGMCC 1.2428; CICC 10285; CIP 52.62; DSM 347; IFO 3134; IFO 13720; JCM 2499; LMG 8197; NBIMCC 1709; NCIB 8054; NCIMB 8566; NCTC 10400; NRS 231

***Brochothrix thermosphacta***

WDCM 00071 | ATCC™ 11509; BCRC 12300; CCM 4769; CCUG 35132; CECT 847; CIP 103251; DSM 20171; LMG 17208; NCIMB 10018; NCIMB(QC) 50019; NCTC 10822

***Campylobacter coli***

WDCM 00004 | ATCC™ 43478; CCM 7227; CECT 7571; CICC 23925; LMG 21266 ; NCTC 13638;

WDCM 00072 | ATCC™ 33559; CCUG 11283; CECT 8205; CIP 70.80; DSM 4689; JCM 2529; LMG 6440; NCIMB(QC) 50092; NCTC 11366

***Campylobacter jejuni* subsp. *jejuni***

WDCM 00005 | ATCC™ 33291; CCUG 33057; CECT 7572; LMG 18455; NCTC 13367

WDCM 00073 | ATCC™ 700819; CCUG 6824; CECT 8170; CIP 107370; DSM 27585; LMG 8842; NCIMB(QC) 50091; NCTC 11168

WDCM 00156 | ATCC™ 29428; CCM 7212; CCUG 39973; CECT 8119; CIP 103778; NCTC 11322

*Campylobacter lari*

WDCM 00204 | ATCC 35221; CCUG 10773; CECT 8907; DSM 11375; LMG 7605; NCTC 11352

*Campylobacter upsaliensis*

WDCM 00074 | ATCC™ 43953; CCUG 24803; CECT 8344; LMG 8852; NCTC 11540

*Carnobacterium divergens*

WDCM 00075 | ATCC™ 35677; BCRC 14042; CCM 4117; CCUG 30094; CECT 4016; CIP 101029; DSM 20623; JCM 5816; LMG 9199; NCIMB 11952; NCIMB(QC) 50021

*Carnobacterium piscicola*

[See *Carnobacterium maltaromaticum* and WDCM 00076]

*Carnobacterium maltaromaticum*

WDCM 00076 | CECT 8208; CIP 110052; DSM 20624; LMG 11391; NCIMB 13093; NCIMB(QC) 50020

*Citrobacter freundii*

WDCM 00006 | ATCC™ 43864; CCM 7187; CECT 7464; CIP 103547; DSM 24397; LMG 21265 ; NCTC 13639

WDCM 00077 | CECT 4626; DSM 25735; NCIMB 8645; NCIMB(QC) 50025; NCTC 6272

WDCM 00078 | ATCC™ 6750; CECT 8107; CIP 110053; DSM 30040; NCIMB 8173; NCTC 13790

*Clostridium bifermentans*

WDCM 00079 | CECT 550; CIP 110068; NCIMB 506; NCIMB(QC) 50026; NCTC 506

*Clostridium perfringens*

WDCM 00174 | ATCC™ 10543; CECT 4647; DSM 798;

WDCM 00201 | CCUG 67301; NCTC 13170

Note: Previously listed at WDCM 00189.

*Clostridium perfringens* (haemolytic)

WDCM 00007 | ATCC™ 13124; BCRC 10913; CCM 4435; CCTM La 2957; CCUG 1795; CECT 376; CIP 103409; CN 1491; CNCTC CI 68/83; DSM

756; FIRDI 913; JCM 1290; LMG 11264; NCIMB 6125; NCTC 6125; NCTC 8237

*Clostridium perfringens* (non-haemolytic)

WDCM 00080 | ATCC™ 12916; CCM 7176; CECT 7468; NCIMB 13079; NCTC 8238

*Clostridium sporogenes*

WDCM 00008 | ATCC™ 19404; BCRC 11258; CCM 4409; CECT 485; CGMCC 1.2417; CIP 79.03; DSM 1664; LMG 10143; NCIMB 532; NCTC 532

*Cronobacter muytjensii*

WDCM 00213 | ATCC™ 51329; CECT 9143; DSM 21870

*Cronobacter sakazakii*

WDCM 00214 | ATCC™ 29544; CECT 858; DSM 4485 ; NCTC 11467;

*Desulfotomaculum nigrificans*

WDCM 00081 | ATCC™ 19858; BCRC 14424; CECT 8176; DSM 574; IFO 13698; NCIMB 8395

*Enterobacter aerogenes*

WDCM 00175 | ATCC™ 13048; CCM 7797; CECT 684; CICC 10293; CIP 60.86; DSM 30053; NCTC 10006

*Enterobacter cloacae*

WDCM 00082 | ATCC™ 23355; CCUG 33777; CECT 5075; CIP 103550; DSM 26481; NCTC 13380;

WDCM 00083 | ATCC™ 13047; BCRC 10401; CCUG 6323; CECT 194; CIP 60.85; DSM 30054; IFO 13535; JCM 1232; LMG 2783; NCIMB 10101; NCIMB(QC) 50122; NCTC 10005

WDCM 00200 | NCTC 13168; WR 3;  
Note: Previously listed at WDCM 00188.

*Enterococcus faecalis*

WDCM 00009 | ATCC™ 19433; BCRC 10066; CCM 7000; CCUG 19916; CECT 481; CGMCC 1.2135; CIP 103015; DSM 20478; FIRDI 66; LMG 7937; NBIMCC 3360; NCFB 581; NCIMB 775; NCTC 775; RIMB 3116001

WDCM 00084 | CECT 4176; NCIMB 8260; NCIMB(QC) 50030; NCTC 8213

WDCM 00085 | ATCC™ 51299; CCM 4647; CECT 8120; CIP 104676; DSM 12956; LMG 16216; NCTC 13379

WDCM 00087 | ATCC™ 29212; BCRC 10789; CCM 4224; CECT 795; CIP 103214; DSM 2570; JCM 2875; LMG 8222; NBIMCC 3915; NCIMB(QC) 50112; NCTC 12697

WDCM 00152 | Duplicate entry of WDCM 00085

WDCM 00153	CECT 8225; CIP 110054; DSM 13591; NCTC 13632
WDCM 00176	CCM 2541; CECT 8118; CIP 106877; DSM 24916
WDCM 00210	ATCC™ 33186; CIP 100750; CECT 9151; NCTC 13763

*Enterococcus faecium*

WDCM 00010	ATCC™ 19434; BCRC 10067; CCM 7167; CCRC 10067; CCUG 542; CECT 410; CIP 103014; DSM 20477; GIFU 8355; JCM 5804; LMG 8149; LMG 11423; LMG 12692; NCFB 942; NCIMB 11508; NCTC 7171; NRIC 1145
WDCM 00088	CECT 4102; CIP 110050; DSM 2918; LMG 11397; NCIMB 12672; NCIMB(QC) 50032 ; NCTC 13640
WDCM 00154	CECT 8224; CIP 110055; DSM 13590; NCTC 13633
WDCM 00177	ATCC™ 6057; CCM 2308; CECT 8108; CIP 106742; DSM 2146; CGMCC 1.2025
WDCM 00178	CCM 7800; CECT 8293; CIP 106876; NCTC 13169 ; WR 63

*Enterococcus hirae*

WDCM 00011	ATCC™ 10541; BCRC 11547; CCM 4533; CECT 4081; CIP 58.55; DSM 3320; LMG 10274; NCIMB 8192; NCTC 13383; PCI 1341
WDCM 00089	ATCC™ 8043; BCRC 11054; CCM 2423; CCUG 1332; CECT 279; CIP 53.48; DSM 20160; LMG 6399; NCIMB 8123; NCIMB(QC) 50031; NCTC 12367

*Escherichia coli*

WDCM 00012	ATCC™ 8739; BCRC 11634; CCM 4517; CECT 516; CGMCC 1.2463; CIP 53.126; DSM 1576; IFO 3972; IMET 11121; LMG 8063; NBIMCC 3397; NCDO 904; NCIMB 8545; NCTC 12923;
WDCM 00013	ATCC™ 25922; BCRC 11509; CCM 3954; CECT 434; CGMCC 1.2385; CICC 10305; CIP 76.24; DSM 1103; LMG 8223; NBIMCC 3702; NCIMB 12210; NCTC 12241
WDCM 00090	ATCC™ 11775; BCRC 10675; CCM 5172; CCUG 24; CECT 515; CIP 54.8; DSM 30083; LMG 2092; NBIMCC 3398; NCIMB 11943; NCIMB(QC) 50034; NCTC 9001
WDCM 00091	CECT 8147; NCIMB 13059; NCIMB(QC) 50035; NCTC 10090
WDCM 00093	CECT 8294; CIP 105180; NCTC 12079
WDCM 00094	CECT 8295; CIP 105181; NCTC 12080
WDCM 00155	Duplicate entry of WDCM 00090
WDCM 00179	CCM 7801; CECT 8296; CIP 106878; DSM 19683; NCTC 13167; WR 1
WDCM 00188	ATCC™ 43895; BCRC 14824; CCRC 14824; CECT 4783; CIP 106327

Note :This number was previously allocated to a strain of *Enterobacter cloacae* now listed at WDCM 00200.

WDCM 00196 | ATCC™ 8739; CECT 516; DSM 1576; NBRC 3972 ; NCTC 12923

WDCM 00202 | CCM 7395; CECT 9153; CIP 110905; NCTC 13216  
Note: Previously listed at WDCM 00190.

*Escherichia coli* serotype O157:H7 (non-toxigenic)

WDCM 00014 | ATCC™ 700728; BDMS T4169; CCM 4787; CECT 4972; CICC 10907; LMG 21756; NCIMB (QC) 50139; NCTC 12900

*Geobacillus stearothermophilus*

WDCM 00069 | ATCC™ 10149; BCRC 10610; CCM 5965; CECT 4517; CGMCC 1.3381; CIP 105453; DSM 6790; JCM 11297; LMG 17962; NCTC 13791

*Hafnia alvei*

WDCM 00095 | ATCC™ 13337; CCUG 15720; CECT 158; CGMCC 1.2026; CIP 57.31; DSM 30163; JCM 1666; LMG 10392; NCIMB 11999; NCIMB(QC) 50037; NCTC 8105

*Klebsiella oxytoca*

WDCM 00096 | CECT 8207; CIP 110043; DSM 25736; NCIMB 12819; NCIMB(QC) 50038; NCTC 13775

*Klebsiella pneumoniae*

WDCM 00097 | ATCC™ 13883; BCRC 10692; CCM 7798; CCUG 225; CECT 143; CIP 82.91; DSM 30104; JCM 1662; LMG 2095; NBIMCC 3670; NCIMB 13281; NCIMB(QC) 50108; NCTC 9633

WDCM 00192 | ATCC™ 4352; CECT 8453; CIP 104216; DSM 789; NBRC 13277; NCIMB 10341 ; NCTC 13635

*Klebsiella variicola*

WDCM 00206 ATCC™ 31488

*Lactobacillus acidophilus*

WDCM 00098 | ATCC™ 4356; BCRC 10695; CCM 4833; CECT 903; CGMCC 1.1878; CIP 76.13; DSM 20079; LMG 9433; NCIMB 8690; NCIMB(QC) 50101; NCTC 12980

*Lactobacillus brevis*

WDCM 00099 | ATCC™ 14869; BCRC 12187; CCM 3805; CCUG 30670; CECT 4121; CIP 102806; DSM 20054; JCM 1059; LMG 6906; NBIMCC 3448; NCIMB 11973; NCIMB(QC) 50043

*Lactobacillus casei*

WDCM 00100 | ATCC™ 393; BCRC 10697; CCM 7088; CCUG 21451; CECT 475; CIP 103137; DSM 20011; JCM 1134; LMG 6904; NCIMB 11970; NCTC 13641

*Lactobacillus delbrueckii* subsp. *bulgaricus*

WDCM 00102 | ATCC™ 11842; BCRC 10696; CCM 7190; CECT 4005; CGMCC 1.6970; CIP 101027; DSM 20081; LMG 6901; NCIMB 11778; NCIMB(QC) 50050; NCTC 12712

*Lactobacillus gasseri*

WDCM 00103 | ATCC™ 19992; BCRC 17615; CCUG 39972; CECT 8109; CIP 103699; DSM 20077; LMG 13047; NCIMB 13081; NCIMB(QC) 50040; NCTC 13643

*Lactobacillus plantarum*

WDCM 00104 | ATCC™ 14917; BCRC 10069; CCM 7039; CCUG 30503; CECT 748; CGMCC 1.2437; CIP 103151; DSM 20174; IAM 12477; JCM 1149; LMG 6907; NBIMCC 3447; NCIMB 11974; NCIMB(QC) 50054; NCTC 13644

*Lactobacillus rhamnosus*

WDCM 00101 | ATCC™ 7469; BCRC 10940; BUCSAV 227; CCM 1825; CECT 278; CGMCC 1.2466; CICC 6224; CIP A157; DSM 20021; IAM 1118; IFO 3425; JCM 1136; LMG 6400; NBIMCC 1010; NCIMB 8010; NCIMB(QC) 50045; NCTC 13764

*Lactobacillus sakei* subsp. *sakei*

WDCM 00015 | ATCC™ 15521; BCRC 14622; CCM 7203; CCRC 14622; CCUG 30501; CECT 906; CIP 103139; DSM 20017; IFO 15893; JCM 1157; LMG 9468; NCFB 2714; NCIMB 13090; NCTC 13636; NRIC 1071

*Lactobacillus viridescens*

[See *Weissella viridescens* and WDCM 00105]

*Lactococcus lactis* subsp. *lactis*

WDCM 00016 | ATCC™ 19435; BCRC 12312; BU 302; CCM 1877; CCTM 3105; CCUG 7980; CECT 185; CGMCC 1.1936; CIP 70.56; CNCTC Str N 25/58; DSM 20481; HNCMB 80146; LMG 6890; NBIMCC 4000; NCFB 604; NCIMB 6681; NCTC 6681; USCC 1394

*Legionella anisa*

WDCM 00106 | ATCC™ 35292; BCRC 17043; CCUG 29665; CECT 8177; CIP 103870; DSM 17627; JCM 7573; NCTC 11974

*Legionella pneumophila*



WDCM 00180 | ATCC™ 33156; CECT 8343; CIP 103858; DSM 7514; NCTC 11233

*Legionella pneumophila* serogroup 1

WDCM 00107 | ATCC™ 33152; BCRC 17854; CCM 7799; CCUG 9568; CECT 7109; CIP 103854; DSM 7513; JCM 7571; NCTC 11192

WDCM 00205 | CECT 8734; DSM 27564; NCTC 12821

*Leuconostoc mesenteroides* subsp. *mesenteroides*

WDCM 00108 | ATCC™ 9135; BCRC 14012; BUCSAV 312; CCM 1851; CECT 8146; CIP 110051; DSM 20241; LMG 8159; NCIMB 6992; NCIMB(QC) 50060

*Listeria innocua*

WDCM 00017 | ATCC™ 33090; BCRC 14843; CCM 4030; CECT 910; CGMCC 1.7730; CICC 10297; CIP 80.11; CLIP 12511; DSM 20649; LMG 11387; NCTC 11288; SLCC 3379

*Listeria ivanovii* subsp. *ivanovii* serovar 5

WDCM 00018 | ATCC™ 19119; BCRC 14844; CCM 5884; CECT 913; CIP 78.42; CLIP 12510; DSM 20750; LMG 11388; NCTC 11846 ; SLCC 2379

*Listeria monocytogenes* serovar 1

WDCM 00020 | ATCC™ 19111; CECT 7467; CICC 23929; DSM 19094; LMG 21263 ; NCTC 13627

*Listeria monocytogenes* serovar 4a

WDCM 00110 | ATCC™ 19114; BCRC 14848; CECT 934; CIP 60.88; LMG 16783; NCTC 5214

*Listeria monocytogenes* serovar 4b

WDCM 00019 | BCRC 15408; CECT 4032; DSM 15675; LMG 13305; NCTC 11994

WDCM 00021 | ATCC™ 13932; CCM 7202; CECT 935; CIP 59.53; DSM 27575; LMG 21264; NCTC 10527

*Listeria monocytogenes* serovar 1/2a

WDCM 00109 | ATCC™ 35152; BCRC 15342; CCM 5576; CCUG 15527; CECT 5873; CIP 104794; LMG 13304; NCTC 7973

*Micrococcus luteus*

WDCM 00111 | ATCC™ 4698; BCRC 11034; CCM 169; CCUG 5858; CECT 5863; CGMCC 1.1848; CIP A270; DSM 20030; IAM 1056; IFO 3333; JCM 1464; LMG 4050; NBIMCC 1439; NCIMB 9278; NCIMB(QC) 50063; NCTC 2665

*Morganella morganii* subsp. *morganii*

WDCM 00112 | ATCC™ 25830; BCRC 10706; CCUG 6328; CECT 173; CIP A231; DSM 30164; IFO 3848; LMG 7874; NCIMB 235; NCIMB(QC) 50064; NCTC 235

*Pantoea agglomerans*

WDCM 00170 | ATCC™ 27155; CCUG 539; CECT 850; CGMCC 1.2244; CIP 57.51; DSM 3493; IAM 12659; JCM 1236; NCTC 9381

*Pediococcus damnosus*

WDCM 00022 | ATCC™ 29358; BCRC 12840; CCM 3453; CCUG 32251; CECT 793; CGMCC 1.2692; CIP 102264; DSM 20331; JCM 5886; LMG 11484; NCFB 1832; NCIMB 12010

*Pediococcus pentosaceus*

WDCM 00158 | ATCC™ 33316; CCM 7796; CECT 4695; CIP 102260; DSM 20336; LMG 11488; NCIMB 12012; NCTC 12956

*Photobacterium leiognathi*

WDCM 00113 | ATCC™ 25521; BCRC 13806; CCUG 16229; CECT 4191; CIP 66.5; DSM 21260; LMG 4228; NCIMB 2193; NCIMB(QC) 50103

*Proteus mirabilis*

WDCM 00023 | ATCC™ 29906; BCRC 13991; CCM 7188; CDC PR14; CECT 4168; CIP 103181; DSM 4479; LMG 3257; NCTC 11938

*Pseudomonas aeruginosa*

WDCM 00024 | AJ 2116; ATCC™ 10145; BCRC 10944; BU 277; CCM 481; CCM 1960; CCTM 2773; CCUG 551; CECT 110; CIP 63.52; CNCTC Ps 153/77; DSM 50071; FIRDI 944; IAM 1514; ICPB 2523; IFO 3756; IFO 12689; IMET 10403; JCM 5962; KM 274; LMG 1242; NBIMCC 3732; NCDO 1369; NCIMB 8295; NCPPB 1965; NCTC 10332; NRRL B-771; RH 815; UQM 495; USCC 2030; VKM B588

WDCM 00025 | ATCC™ 27853; BCRC 11864; CCM 3955; CCTM 2766; CCTM 2767; CCUG 7737; CCUG 17619; CECT 108; CGMCC 1.2387; CIP 76.110; CNCTC Ps 133/71; DSM 1117; LMG 6395; LMG 18448; NBIMCC 3700; NCIMB 12469; NCTC 12903

WDCM 00026 | ATCC™ 9027; BCRC 11633; BUCSAV 728; CCM 1961; CECT 111; CGMCC 1.2421; CICC 10351; CIP 82.118; DSM 1128; IAM 10374; IFO 13275; LMG 8029; NBIMCC 1390; NCIMB 8626; NCTC 12924; NRRL B-800

WDCM 00027 | CECT 4080; CIP A22; DSM 25123; LMG 10639; NCIMB 13056 ; NCTC 13646

WDCM 00114 | ATCC™ 25668; CCM 3989; CECT 118; CIP 103837; NCIMB 13063; NCIMB(QC) 50067; NCTC 10662

WDCM 00207 | CCUG 67716; CECT 8735; DSM 101013; NCTC 12951 ;

*Pseudomonas fluorescens*

WDCM 00115 | ATCC™ 13525; BCRC 11028; CCM 2115; CCUG 1253; CECT 378; CIP 69.13; DSM 50090; IAM 12022; IFO 14160; JCM 5963; LMG 1794; NCIMB 9046; NCIMB(QC) 50068; NCTC 10038

*Pseudomonas fragi*

WDCM 00116 | ATCC™ 4973; BCRC 11019; CCM 1974; CCUG 556; CECT 446; CIP 55.4; DSM 3456; IFO 3458; LMG 2191; NCIMB 8542; NCIMB(QC) 50069; NCTC 10689

*Pseudomonas putida*

WDCM 00117 | ATCC™ 12633; BCRC 10459; CCM 7156; CCUG 12690; CECT 324; CIP 52.191; DSM 291; DSM 50906; IFO 14164; LMG 2257; NCIMB 9494; NCIMB(QC) 50070; NCTC 10936

*Rhodococcus equi*

WDCM 00028 | AJ 1402; ATCC™ 6939; BCRC 12859; CCM 3429; CCUG 892; CECT 555; CIP 54.72; DSM 20307; DSM 43349; IAM 12426; IMET 7467; JCM 1311; LMG 5358; LMG 18452; NCIMB 12828; NCTC 1621; NRRL B-16538

*Salmonella enterica* serovar Abony

WDCM 00029 | CCM 4518; CCUG 20832; CCUG 21354; CECT 545; CIP 80.39; DSM 4224; LMG 18222; NBIMCC 2333; NCTC 6017

*Salmonella enterica* serovar Dublin

WDCM 00118 | CECT 4152; NCIMB(QC) 50072

*Salmonella enterica* serovar Enteritidis

WDCM 00030 | ATCC™ 13076; BCRC 10744; CCM 7189; CDC K-1891; CECT 4300; CIP 82.97; DSM 9898; LMG 10395; NCTC 12694

WDCM 00119 | CECT 4155; DSM 26655; NCIMB(QC) 50073; NCTC 5188

*Salmonella enterica* serovar Saintpaul

WDCM 00120 | CECT 4153; DSM 27656; NCTC 6022; NCIMB(QC) 50075

*Salmonella enterica* serovar Typhimurium

WDCM 00031 | ATCC™ 14028; BCRC 10747; CCM 7205; CCRC 10747; CDC 6516-60; CECT 4594; CGMCC 1.1859; CIP 104115; DSM 19587; LMG 14933; NBIMCC 3669; NCIMB 13284; NCTC 12023

WDCM 00121	ATCC™ 13311; BCRC 12947; CCM 7933; CCUG 11732; CECT 443; CIP 58.58; DSM 5569; LMG 10396; NCIMB(QC) 50100; NCTC 74
WDCM 00122	CECT 4156; DSM 26529; NCTC 12190

*Salmonella enterica* serovar Virchow

WDCM 00124	CECT 4154; CIP 110069; DSM 27686; NCIMB(QC) 50077; NCTC 5742
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*Shigella flexneri*

WDCM 00125	ATCC™ 29903; BCRC 13984; CECT 8175; CIP 82.48; DSM 4782; NCIMB(QC) 50079; NCTC 13631
WDCM 00126	ATCC™ 12022; BCRC 10772; CECT 4804; CIP 104222; LMG 10472; NCIMB(QC) 50140; NCTC 12698

*Shigella sonnei*

WDCM 00127	ATCC™ 29930; BCRC 15966; CECT 4887; CIP 82.49; DSM 5570; NCTC 12984
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*Staphylococcus aureus*

WDCM 00035	ATCC™ 9144; BCRC 10908; CCM 2107; CECT 59; CIP 53.154; DSM 683; LMG 10640; NBIMCC 3081; NCIMB 6571; NCTC 6571; NRRL B314
WDCM 00130	CECT 8148; CIP 110044; NCIMB 12820; NCIMB(QC) 50081; NCTC 13758
WDCM 00131	ATCC™ 29213; BCRC 11863; CCM 4223; CECT 794; CIP 103429; DSM 2569; JCM 2874; LMG 10147; NBIMCC 3999; NCTC 12973
WDCM 00193	ATCC™ 6538; ATCC™ 6538P; CCM 4516; CECT 239; CIP 4.83; DSM 799; NBRC 12732; NBRC 13276; NCIMB 9518; NCTC 10788
WDCM 00195	ATCC™ 6538P; CECT 240; CGMCC 1.89; DSM 346; NBRC 12732 ; NCTC 7447
WDCM 00212	CECT 9152; DSM 27146; NCTC 12493

*Staphylococcus aureus* subsp. *aureus*

WDCM 00032	ATCC™ 6538; BCRC 12154; CCM 4516; CCTM 2103; CCUG 1623; CCUG 10778; CECT 239; CGMCC 1.2465; CICC 10306; CIP 4.83; CNCTC Mau 29/58; DSM 799; FIRDI 941; HMGB B865; IEM Mau 29/58; IFO 13276; IMET 10761; LMG 8064; NBIMCC 3359; NCIMB 9518; NCTC 10788 ;
WDCM 00033	AHU 1142; ATCC™ 6538P; BCRC 10451; BTCC 209P; BU 395; CCM 2022; CCTM 596; CCUG 1828; CECT 240; CGMCC 1.2910; CIP 53.156; CN 3784; CNCTC Mau 28/58; DSM 346; FIRDI 451; IAM 1011; IAM 12082; IEM Mau 28/58; IFO 3061; IFO 12732; IID 671; IMET 10904; JCM 2151; LMG 8195; NBIMCC 509; NCIMB

8625; NCTC 7447; NRRL B-313; OUT 8232; PCI 1209; PZH 8/54;  
RIMD 3109007; VNIIA 209P ;

WDCM 00034 | ATCC™ 25923; BCRC 10781; CCM 3953; CCTM 2816; CCUG  
7738; CCUG 17621; CECT 435; CGMCC 1.2386; CICC 23926;  
CIP 76.25; CNCTC Mau 80/73; DSM 1104; JCM 2413; LMG 8224;  
NBIMCC 3703; NCIMB 12702; NCTC 12981

WDCM 00211 | ATCC™ 43300; CECT 5190; DSM 13661 ; NCTC 13373

*Staphylococcus epidermidis*

WDCM 00036 | ATCC™ 12228; BCRC 11030; CCM 4418; CECT 231; CGMCC  
1.4260; CIP 68.21; DSM 1798; IFO 12993; LMG 10273; NCIMB  
8853; NCTC 13360

WDCM 00132 | ATCC™ 14990; CCM 2124; CECT 232; CIP 81.55; DSM 20044;  
NCIMB 12721; NCIMB(QC) 50082; NCTC 11047

*Staphylococcus saprophyticus* subsp. *saprophyticus*

WDCM 00159 | ATCC™ 15305; CCM 883; CECT 235; CIP 76.125; DSM 20229 ;  
NBIMCC 3348; NCTC 7292

*Streptococcus bovis*

WDCM 00133 | ATCC™ 33317; BCRC 14729; CCUG 17828; CECT 213; CIP  
102302; DSM 20480; LMG 8518; NCTC 8177

*Streptococcus thermophilus*

WDCM 00134 | ATCC™ 19258; BCRC 13869; CECT 986; CIP 102303; DSM  
20617; LMG 6896; NBIMCC 3916; NCIMB 8510; NCIMB(QC)  
50083; NCTC 12958

*Thermoanaerobacterium thermosaccharolyticum*

WDCM 00135 | ATCC™ 7956; CECT 5852; DSM 571; NCIMB 9385

*Vibrio cholerae* non 0:1

WDCM 00136 | CECT 8265; NCTC 11348; CCUG 67718; DSM 101014

*Vibrio Cholerae* non-01 / non-0139

WDCM 00203 | ATCC™ 14733; NCTC 8042  
Note: Previously listed at WDCM 00191.

*Vibrio fluvialis*

WDCM 00137 | ATCC™ 33809; BCRC 12830; CCM 3689; CCUG 13622; CECT  
4217; CGMCC 1.1608; CIP 103355; DSM 19283; LMG 7894;  
NCIMB 2249; NCIMB(QC) 50084; NCTC 11327

*Vibrio furnissi*

WDCM 00186 | CECT 9113; DSM 14383; NCTC 11218

*Vibrio parahaemolyticus*

WDCM 00037 | ATCC™ 17802; BCRC 10806; CCTM 2011; CCUG 14474; CCUG 15657; CDC 9062-79; CECT 511; CGMCC 1.1997; CIP 75.02; DSM 10027; FIRDI 806; LMG 2850; NBIMCC 8743; NCMB 1902; NCTC 10903; RIMD 2210001; USCC 2240

WDCM 00138 | CECT 8264; DSM 27657; NCTC 11344

WDCM 00185 | CCUG 67717; CECT 9114; DSM 101031; NCTC 10885

*Vibrio vulnificus*

WDCM 00139 | ATCC™ 27562; BCRC 12905; CCUG 13448; CECT 529; CIP 75.4; DSM 10143; LMG 13545; NCIMB 2046; NCIMB(QC) 50104; NCTC 13647

WDCM 00187 | ATCC™ 29307; CECT 9109

*Weissella viridescens*

WDCM 00105 | ATCC™ 12706; BCRC 11650; CCM 56; CCUG 30502; CECT 283; CIP 102810; DSM 20410; JCM 1174; LMG 3507; NCIMB 8965; NCIMB(QC) 50057

*Yersinia enterocolitica*

WDCM 00215 | ATCC™ 700823; CECT 754; NCTC 11174

WDCM 00216 | CECT 9144; CIP 106945; DSM 13030

*Yersinia enterocolitica* biotype 1 serotype O:8

WDCM 00038 | ATCC™ 9610; BCRC 13999; CCM 7204; CCUG 11291; CCUG 12369; CECT 4315; CIP 80.27; DSM 4780; LMG 7899 ; NCTC 12982

WDCM 00160 | ATCC™ 23715; CECT 8263; DSM 27689; NCTC 10598

*Yersinia enterocolitica* biotype 4 serotype O:3

WDCM 00039 | CCUG 4586; CCUG 8233; CECT 8206; CIP 81.41; DSM 9676; IP 134; LMG 15558; NCIMB(QC) 50087; NCTC 13629

*Yersinia intermedia*

WDCM 00217 | ATCC™ 29909; CECT 4317; NCTC 11469;

## Filamentous Fungi and Yeasts

### *Aspergillus brasiliensis*

WDCM 00053 | ATCC™ 16404; B 42936; BCRC 30506; CCM 8222; CECT 2574; CICC 2463; DSM 1988; IFO 9455; IHEM 3766; IMI 149007; MUCL 29039; NBIMCC 3564; NCPF 2275; UMIP 1431.83  
Note: this strain was formally *Aspergillus niger*

### *Aspergillus flavus*

WDCM 00141 | BCRC 30144; CECT 2949; DSM 1959; IMI 91856ii

WDCM 00142 | A-NRRL 3251; BCRC 30300; CCM 8363; CECT 20802; CSIRO 3084

### *Aspergillus niger*

WDCM 00144 | A-NRRL 3361; ATCC™ 6275; CBS 131.52; CECT 2807; CSIRO 2522; DSM 1957; NBRC 105649; UMIP 2475.98

### *Aspergillus parasiticus*

WDCM 00143 | A-NRRL 2999; BCRC 30164; CECT 2681; CSIRO 2744

### *Aspergillus restrictus*

WDCM 00183 | ATCC™ 42693; CECT 20807;

### *Candida albicans*

WDCM 00054 | ATCC™ 10231; B 49904; BCRC 21538; CBS 6431; CCM 8215; CECT 1394; DSM 1386; IFO 1594; IHEM 3731; MUCL 30114; NBIMCC 74; NCPF 3179; NCYC 1363; NIH 3147; UMIP 48.72; VTT C-85161

WDCM 00055 | ATCC™ 2091; B 41838; CBS 2730; CCM 8226; CECT 1392; DSM 1665; IFO 1393; IHEM 3740; MUCL 38887; NCPF 3255; NCYC 854; NRRL Y-79; UMIP 1180.79

### *Cladosporium cladosporioides*

WDCM 00190 | ATCC™ 11277; CECT 20805; NBRC 6348; NBRC 6368;

Note :This number was previously allocated to a strain of *Escherichia coli* now listed at WDCM 00202.

### *Coniophora puteana*

WDCM 00040 | BAM 15; CECT 20803; MUCL 11662

WDCM 00041 | CECT 20809; MUCL 30714

WDCM 00042 | CECT 20810; MUCL 31046

### *Eurotium amstelodami*

WDCM 00145 | ATCC™ 16018; CECT 2586; IMI 17455

*Eurotium rubrum*

WDCM 00184 | ATCC™ 42690; CECT 20808

*Gloeophyllum trabeum*

WDCM 00043 | BAM 109; CECT 20146; FPRL 108N; MUCL 11353; MUCL 11663

*Lentinus lepideus*

WDCM 00044 | CECT 20811; MUCL 40109

*Mucor racemosus*

WDCM 00181 | ATCC™ 42647; CECT 20821

*Oligoporus (Poria) placentus*

WDCM 00045 | CECT 20147; FPRL 280; MUCL 20569

WDCM 00046 | CECT 20812; MUCL 30789; WFPL 120AR

*Penicillium aurantiogriseum*

[See *Penicillium solitum* and WDCM 00056]

*Penicillium citrinum*

WDCM 00189 | ATCC™ 9849; CECT 20822; NBRC 6352

Note : This number was previously allocated to a strain of *Clostridium perfringens* now listed at WDCM 00201.

*Penicillium hirsutum*

WDCM 00057 | ATCC™ 16025; CBS 201.57; CECT 2812; IHEM 19610; IMI 19759; MUCL 19012; QM 840

*Penicillium pinophilum*

WDCM 00194 | ATCC™ 9644; CBS 170.60; CECT 2912; DSM 1960; NBRC 6345;

*Penicillium solitum*

WDCM 00056 | CECT 20818; IHEM 18001; UMIP 1186.79

*Pleurotus ostreatus*

WDCM 00047 | CECT 20813; MUCL 31535

WDCM 00048 | CECT 20814; MUCL 38041



***Rhizopus stolonifer***

WDCM 00146 | BCRC 32880; CECT 2672; IMI 61269

***Saccharomyces cerevisiae***

WDCM 00058 | ATCC™ 9763; B 42428; BCRC 20822; CBS 2978; CCM 8191;  
CCRC 20822; CECT 1383; CICC 33033; DSM 1333; IHEM 3961;  
MUCL 30115; NBIMCC 541; NCTC 10716; NCYC 87; NRRL Y-  
567; UMIP 1432.83

WDCM 00059 | CECT 13084; DSM 70487; IHEM 17987; MUCL 27817

WDCM 00147 | ATCC™ 7754; BCRC 21727; CBS 1368; CECT 13074;  
NCIMB(QC) 50105; NCYC 79

***Serpula lacrymans***

WDCM 00049 | CECT 20815; MUCL 34572

***Trametes versicolor***

WDCM 00050 | BAM 863-A; BCRC 36525; CECT 20804; CTB 863A; MUCL 11665

WDCM 00051 | CECT 20816; MUCL 28407

WDCM 00052 | ATCC™ 42530; CECT 20817; FCUP 642; MUCL 38412

***Trichophyton mentagrophytes***

WDCM 00191 | CECT 20806; NBRC 32409; NBRC 32412;

Note : This number was previously allocated to a strain of *Vibrio cholerae* now listed at WDCM 00203.

***Wallemia sebi***

WDCM 00182 | CECT 20820; ATCC™ 42694

***Zygosaccharomyces rouxii***

WDCM 00148 | CECT 13075; NCIMB(QC) 50106; NCYC 1522

## Part 2: Strains by WDCM Number

WDCM No.	Identity	Collection
00001	<i>Bacillus cereus</i>	ATCC™ 11778; BCRC 10446; CCM 869; CECT 193; CIP 64.52; DSM 345; LMG 8221; NBIMCC 1085; NCIMB 8012; NCIMB 9231; NCTC 10320
00002	<i>Bacillus coagulans</i>	ATCC™ 7050; BCRC 10606; CCM 2013; CCUG 7417; CECT 12; CGMCC 1.2009; CIP 66.25; CN 2202; DSM 1; FIRDI 606; IAM 1115; IAM 12463; IFO 12583; JCM 2257; LMG 17450; LMG 17455; LMG 6326; NBIMCC 1511; NCFB 1761; NCIMB 9365; NCTC 10334; NRRL NRS-609; OUT 8348; OUT 8403; USCC 2116
00003	<i>Bacillus subtilis</i> subsp. <i>spizizenii</i>	ATCC™ 6633; BCRC 10447; CCM 1999; CECT 356; CGMCC 1.2428; CICC 10285; CIP 52.62; DSM 347; IFO 3134; IFO 13720; JCM 2499; LMG 8197; NBIMCC 1709; NCIB 8054; NCIMB 8566; NCTC 10400; NRS 231
00004	<i>Campylobacter coli</i>	ATCC™ 43478; CCM 7227; CECT 7571; CICC 23925; LMG 21266; NCTC 13638
00005	<i>Campylobacter jejuni</i> subsp. <i>jejuni</i>	ATCC™ 33291; CCUG 33057; CECT 7572; LMG 18455; NCTC 13367
00006	<i>Citrobacter freundii</i>	ATCC™ 43864; CCM 7187; CECT 7464; CIP 103547; DSM 24397; LMG 21265; NCTC 13639
00007	<i>Clostridium perfringens</i> (haemolytic)	ATCC™ 13124; BCRC 10913; CCM 4435; CCTM La 2957; CCUG 1795; CECT 376; CIP 103409; CN 1491; CNCTC CI 68/83; DSM 756; FIRDI 913; JCM 1290; LMG 11264; NCIMB 6125; NCTC 6125; NCTC 8237
00008	<i>Clostridium sporogenes</i>	ATCC™ 19404; BCRC 11258; CCM 4409; CECT 485; CGMCC 1.2417; CIP 79.03; DSM 1664; LMG 10143; NCIMB 532; NCTC 532
00009	<i>Enterococcus faecalis</i>	ATCC™ 19433; BCRC 10066; CCUG 19916; CCM 7000; CECT 481; CGMCC 1.2135; CIP 103015; DSM 20478; FIRDI 66; LMG 7937; NBIMCC 3360; NCFB 581; NCIMB 775; NCTC 775; RIMD3116001
00010	<i>Enterococcus faecium</i>	ATCC™ 19434; BCRC 10067; CCM 7167; CCRC 10067; CCUG 542; CECT 410; CIP 103014; DSM 20477; GIFU 8355; JCM 5804; LMG 11423; LMG 12692; LMG 8149; NCFB 942; NCIMB 11508; NCTC 7171; NRIC 1145
00011	<i>Enterococcus hirae</i>	ATCC™ 10541; BCRC 11547; CCM 4533; CECT 4081; CIP 58.55; DSM 3320; LMG 10274; NCIMB 8192; NCTC 13383; PCI 1341
00012	<i>Escherichia coli</i>	ATCC™ 8739; BCRC 11634; CCM 4517; CECT 516; CGMCC 1.2463; CIP 53.126; DSM

		1576; IFO 3972; IMET 11121; LMG 8063; NBIMCC 3397; NCDO 904; NCIMB 8545; NCTC 12923
00013	<i>Escherichia coli</i>	ATCC™ 25922; BCRC 11509; CCM 3954; CECT 434; CGMCC 1.2385; CICC 10305; CIP 76.24; DSM 1103; LMG 8223; NBIMCC 3702; NCIMB 12210; NCTC 12241
00014	<i>Escherichia coli</i> serotype O157:H7 (non-toxigenic)	ATCC™ 700728; BDMS T4169; CCM 4787; CECT 4972; CICC 10907; LMG 21756; NCIMB (QC) 50139; NCTC 12900
00015	<i>Lactobacillus sakei</i> subsp. <i>sakei</i>	ATCC™ 15521; BCRC 14622; CCM 7203; CCRC 14622; CCUG 30501; CECT 906; CIP 103139; DSM 20017; IFO 15893; JCM 1157; LMG 9468; NCFB 2714; NCIMB 13090; NCTC 13636; NRIC 1071
00016	<i>Lactococcus lactis</i> subsp. <i>lactis</i>	ATCC™ 19435; BCRC 12312; BU 302; CCM 1877; CCTM 3105; CCUG 7980; CECT 185; CGMCC 1.1936; CIP 70.56; CNCTC Str N 25/58; DSM 20481; HNCMB 80146; LMG 6890; NBIMCC 4000; NCFB 604; NCIMB 6681; NCTC 6681; USCC 1394
00017	<i>Listeria innocua</i>	ATCC™ 33090; BCRC 14843; CCM 4030; CECT 910; CGMCC 1.7730; CICC 10297; CIP 80.11; CLIP 12511; DSM 20649; LMG 11387; NCTC 11288; SLCC 3379
00018	<i>Listeria ivanovii</i> subsp. <i>ivanovii</i> serovar 5	ATCC™ 19119; BCRC 14844; CCM 5884; CECT 913; CIP 78.42; CLIP 12510; DSM 20750; LMG 11388; NCTC 11846 ; SLCC 2379
00019	<i>Listeria monocytogenes</i> serovar 4b	BCRC 15408; CECT 4032; DSM 15675; LMG 13305; NCTC 11994
00020	<i>Listeria monocytogenes</i> serovar 1	ATCC™ 19111; CECT 7467; CICC 23929; DSM 19094; LMG 21263; NCTC 13627
00021	<i>Listeria monocytogenes</i> serovar 4b	ATCC™ 13932; CCM 7202; CECT 935; CIP 59.53; DSM 27575; LMG 21264; NCTC 10527
00022	<i>Pediococcus damnosus</i>	ATCC™ 29358; BCRC 12840; CCM 3453; CCUG 32251; CECT 793; CGMCC 1.2692; CIP 102264; DSM 20331; JCM 5886; LMG 11484; NCFB 1832; NCIMB 12010
00023	<i>Proteus mirabilis</i>	ATCC™ 29906; BCRC 13991; CCM 7188; CDC PR14; CECT 4168; CIP 103181; DSM 4479; LMG 3257; NCTC 11938
00024	<i>Pseudomonas aeruginosa</i>	AJ 2116; ATCC™ 10145; BCRC 10944; BU 277; CCM 1960; CCM 481; CCTM 2773; CCUG 551; CECT 110; CIP 63.52; CNCTC Ps 153/77; DSM 50071; FIRDI 944; IAM 1514; ICPB 2523; IFO 12689; IFO 3756; IMET 10403; JCM 5962; KM 274; LMG 1242; NBIMCC 3732; NCDO 1369; NCIMB 8295; NCPPB 1965; NCTC 10332; NRRL B-771; RH 815; UQM 495; USCC 2030; VKM B588

00025	<i>Pseudomonas aeruginosa</i>	ATCC™ 27853; BCRC 11864; CCM 3955; CCTM 2766; CCTM 2767; CCUG 17619; CCUG 7737; CECT 108; CGMCC 1.2387; CIP 76.110; CNCTC Ps 133/71; DSM 1117; LMG 18448; LMG 6395; NBIMCC 3700; NCIMB 12469; NCTC 12903
00026	<i>Pseudomonas aeruginosa</i>	ATCC™ 9027; BCRC 11633; BUCSAV 728; CCM 1961; CECT 111; CGMCC 1.2421; CICC 10351; CIP 82.118; DSM 1128; IAM 10374; IFO 13275; LMG 8029; NBIMCC 1390; NCIMB 8626; NCTC 12924; NRRL B-800
00027	<i>Pseudomonas aeruginosa</i>	CECT 4080; CIP A22; DSM 25123; LMG 10639; NCIMB 13056; NCTC 1364
00028	<i>Rhodococcus equi</i>	AJ 1402; ATCC™ 6939; BCRC 12859; CCM 3429; CCUG 892; CECT 555; CIP 54.72; DSM 20307; DSM 43349; IAM 12426; IMET 7467; JCM 1311; LMG 18452; LMG 5358; NCIMB 12828; NCTC 1621; NRRL B-16538
00029	<i>Salmonella enterica</i> serovar Abony	CCM 4518; CCUG 20832; CCUG 21354; CECT 545; CIP 80.39; DSM 4224; LMG 18222; NBIMCC 2333; NCTC 6017
00030	<i>Salmonella enterica</i> serovar Enteritidis	ATCC™ 13076; BCRC 10744; CCM 7189; CDC K-1891; CECT 4300; CIP 82.97; DSM 9898; LMG 10395; NCTC 12694
00031	<i>Salmonella enterica</i> serovar Typhimurium	ATCC™ 14028; BCRC 10747; CCM 7205; CCRC 10747; CDC 6516-60; CECT 4594; CGMCC 1.1859; CIP 104115; DSM 19587; LMG 14933; NBIMCC 3669; NCIMB 13284; NCTC 12023
00032	<i>Staphylococcus aureus</i> subsp. <i>aureus</i>	ATCC™ 6538; BCRC 12154; CCM 4516; CCTM 2103; CCUG 10778; CCUG 1623; CECT 239; CGMCC 1.2465; CICC 10306; CIP 4.83; CNCTC Mau 29/58; DSM 799; FIRDI 941; HMGB B865; IEM Mau 29/58; IFO 13276; IMET 10761; LMG 8064; NBIMCC 3359; NCIMB 9518; NCTC 10788
00033	<i>Staphylococcus aureus</i> subsp. <i>aureus</i>	AHU 1142; ATCC™ 6538P; BCRC 10451; BTCC 209P; BU 395; CCM 2022; CCTM 596; CCUG 1828; CECT 240; CGMCC 1.2910; CIP 53.156; CN 3784; CNCTC Mau 28/58; DSM 346; FIRDI 451; IAM 1011; IAM 12082; IEM Mau 28/58; IFO 12732; IFO 3061; IID 671; IMET 10904; JCM 2151; LMG 8195; NBIMCC 509; NCIMB 8625; NCTC 7447; NRRL B-313; OUT 8232; PCI 1209; PZH 8/54; RIMD 3109007; VNIIA 209P
00034	<i>Staphylococcus aureus</i> subsp. <i>aureus</i>	ATCC™ 25923; BCRC 10781; CCM 3953; CCTM 2816; CCUG 17621; CCUG 7738; CECT 435; CGMCC 1.2386; CICC 23926; CIP 76.25; CNCTC Mau 80/73; DSM 1104; JCM 2413; LMG 8224; NBIMCC 3703; NCIMB 12702; NCTC 12981

00035	<i>Staphylococcus aureus</i>	ATCC™ 9144; BCRC 10908; CCM 2107; CECT 59; CIP 53.154; DSM 683; LMG 10640; NBIMCC 3081; NCIMB 6571; NCTC 6571; NRRL B314
00036	<i>Staphylococcus epidermidis</i>	ATCC™ 12228; BCRC 11030; CCM 4418; CECT 231; CGMCC 1.4260; CIP 68.21; DSM 1798; IFO 12993; LMG 10273; NCIMB 8853; NCTC 13360
00037	<i>Vibrio parahaemolyticus</i>	ATCC™ 17802; BCRC 10806; CCTM 2011; CCUG 14474; CCUG 15657; CDC 9062-79; CECT 511; CGMCC 1.1997; CIP 75.02; DSM 10027; FIRDI 806; LMG 2850; NBIMCC 8743; NCMB 1902; NCTC 10903; RIMD 2210001; USCC 2240
00038	<i>Yersinia enterocolitica</i> biotype 1 serotype O:8	ATCC™ 9610; BCRC 13999; CCM 7204; CCUG 11291; CCUG 12369; CECT 4315; CIP 80.27; DSM 4780; LMG 7899; NBIMCC 8739; NCTC 12982
00039	<i>Yersinia enterocolitica</i> biotype 4 serotype O:3	CCUG 4586; CCUG 8233; CECT 8206; CIP 81.41; DSM 9676; IP 134; LMG 15558; NBIMCC 8791; NCIMB(QC) 50087; NCTC 13629
00040	<i>Coniophora puteana</i>	BAM 15; CECT 20803; MUCL 11662
00041	<i>Coniophora puteana</i>	CECT 20809; MUCL 30714
00042	<i>Coniophora puteana</i>	CECT 20810; MUCL 31046
00043	<i>Gloeophyllum trabeum</i>	BAM 109; CECT 20146; FPRL 108N; MUCL 11353; MUCL 11663
00044	<i>Lentinus lepideus</i>	CECT 20811; MUCL 40109
00045	<i>Oligoporus (Poria)</i> <i>placentus</i>	CECT 20147; FPRL 280; MUCL 20569
00046	<i>Oligoporus (Poria)</i> <i>placentus</i>	CECT 20812; MUCL 30789; WFPL 120AR
00047	<i>Pleurotus ostreatus</i>	CECT 20813; MUCL 31535
00048	<i>Pleurotus ostreatus</i>	CECT 20814; MUCL 38041
00049	<i>Serpula lacrymans</i>	CECT 20815; MUCL 34572
00050	<i>Trametes versicolor</i>	BAM 863-A; BCRC 36525; CECT 20804; CTB 863A; MUCL 11665
00051	<i>Trametes versicolor</i>	CECT 20816; MUCL 28407
00052	<i>Trametes versicolor</i>	ATCC™ 42530; CECT 20817; FCUP 642; MUCL 38412
00053	<i>Aspergillus brasiliensis</i>	ATCC™ 16404; B 42936; BCRC 30506; CCM 8222; CECT 2574; CICC 2463; DSM 1988; IFO 9455; IHEM 3766; IMI 149007; MUCL 29039; NBIMCC 3564; NCPF 2275; UMIP 1431.83

00054	<i>Candida albicans</i>	ATCC™ 10231; B 49904; BCRC 21538; CBS 6431; CCM 8215; CECT 1394; DSM 1386; IFO 1594; IHEM 3731; MUCL 30114; NBIMCC 74; NCPF 3179; NCYC 1363; NIH 3147; UMIP 48.72; VTT C-85161
00055	<i>Candida albicans</i>	ATCC™ 2091; B 41838; CBS 2730; CCM 8226; CECT 1392; DSM 1665; IFO 1393; IHEM 3740; MUCL 38887; NCPF 3255; NCYC 854; NRRL Y-79; UMIP 1180.79
00056	<i>Penicillium solitum</i> (formerly <i>Penicillium aurantiogriseum</i> )	CECT 20818; IHEM 18001; UMIP 1186.79
00057	<i>Penicillium hirsutum</i>	ATCC™ 16025; CBS 201.57; CECT 2812; IHEM 19610; IMI 19759; MUCL 19012; QM 840
00058	<i>Saccharomyces cerevisiae</i>	ATCC™ 9763; B 42428; BCRC 20822; CBS 2978; CCM 8191; CCRC 20822; CECT 1383; CICC 33033; DSM 1333; IHEM 3961; MUCL 30115; NBIMCC 541; NCTC 10716; NCYC 87; NRRL Y-567; UMIP 1432.83
00059	<i>Saccharomyces cerevisiae</i>	CECT 13084; DSM 70487; IHEM 17987; MUCL 27817
00060	<i>Acinetobacter</i> sp.	CECT 8149; NCIMB 10764; NCIMB(QC) 50011
00061	<i>Aerococcus viridans</i>	ATCC™ 11563; BCRC 14290; CCM 1914; CCUG 4311; CECT 978; CIP 54.145; DSM 20340; HNCMB 86001; IFO 12219; LMG 17931; NCIMB 11775; NCIMB(QC) 50012; NCTC 8251
00062	<i>Aeromonas caviae</i>	ATCC™ 15468; BCRC 16001; CCM 4491; CCUG 25939; CECT 838; CGMCC 1.196; CIP 76.16; DSM 7323; LMG 3775; NCIMB 13016; NCTC 12244;
00063	<i>Aeromonas hydrophila</i>	ATCC™ 7966; BCRC 13018; CCM 7232; CCUG 14551; CECT 839; CGMCC 1.2017; CIP 76.14; DSM 30187; JCM 1027; LMG 2844; NCIMB(QC) 50013; NCTC 8049
00064	<i>Aeromonas sobria</i>	ATCC™ 35993; CCUG 14550; CECT 4053; DSM 24388; LMG 12670; NCTC 11215
00065	<i>Arcobacter butzleri</i>	ATCC™ 49616; CCUG 30485; CECT 8221; CIP 103537; DSM 8739; LMG 10828; NCTC 12481
00066	<i>Arcobacter cryaerophilus</i>	ATCC™ 43158; CCM 3933; CCUG 17801; CECT 8222; CIP 104014; DSM 7289; LMG 24291; NCTC 11885
00067	<i>Arcobacter skirrowii</i>	ATCC™ 51132; CCUG 10374; CECT 8223; CIP 103538; DSM 7302; LMG 6621; NCTC 12713
00068	<i>Bacillus licheniformis</i>	ATCC™ 14580; BCRC 11702; CCM 2145; CCUG 7422; CECT 20; CGMCC 1.3649; CIP

		52.71; DSM 13; IFO 12200; JCM 2505; LMG 12363; NCIMB 9375; NCIMB(QC) 50016; NCTC 10341
00069	<i>Geobacillus stearothermophilus</i> (formerly <i>Bacillus stearothermophilus</i> )	ATCC™ 10149; BCRC 10610; CCM 5965; CECT 4517; CGMCC 1.3381; CIP 105453; DSM 6790; JCM 11297; LMG 17962; NCTC 13791
00070	<i>Bacillus subtilis</i>	CECT 8266; LMG 17728; NCIMB 13061; NCIMB(QC) 50018; NCTC 5398
00071	<i>Brochothrix thermosphacta</i>	ATCC™ 11509; BCRC 12300; CCM 4769; CCUG 35132; CECT 847; CIP 103251; DSM 20171; LMG 17208; NCIMB 10018; NCIMB(QC) 50019; NCTC 10822
00072	<i>Campylobacter coli</i>	ATCC™ 33559; CCUG 11283; CECT 8205; CIP 70.80; DSM 4689; JCM 2529; LMG 6440; NCIMB(QC) 50092; NCTC 11366
00073	<i>Campylobacter jejuni</i> subsp. <i>jejuni</i>	ATCC™ 700819; CCUG 6824; CECT 8170; CIP 107370; DSM 27585; LMG 8842; NCIMB(QC) 50091; NCTC 11168
00074	<i>Campylobacter upsaliensis</i>	ATCC™ 43953; CCUG 24803; CECT 8344; LMG 8852; NCTC 11540
00075	<i>Carnobacterium divergens</i>	ATCC™ 35677; BCRC 14042; CCM 4117; CCUG 30094; CECT 4016; CIP 101029; DSM 20623; JCM 5816; LMG 9199; NCIMB 11952; NCIMB(QC) 50021
00076	<i>Carnobacterium maltaromaticum</i> (formerly <i>Carnobacterium piscicola</i> )	CECT 8208; CIP 110052; DSM 20624; LMG 11391; NCIMB 13093; NCIMB(QC) 50020
00077	<i>Citrobacter freundii</i>	CECT 4626; DSM 25735; NCIMB 8645; NCIMB(QC) 50025; NCTC 6272
00078	<i>Citrobacter freundii</i>	ATCC™ 6750; CECT 8107; CIP 110053; DSM 30040; NCIMB 8173; NCTC 13790
00079	<i>Clostridium bifermentans</i>	CECT 550; CIP 110068; NCIMB 506; NCIMB(QC) 50026; NCTC 506
00080	<i>Clostridium perfringens</i> (non-haemolytic)	ATCC™ 12916; CCM 7176; CECT 7468; NCIMB 13079; NCTC 8238
00081	<i>Desulfotomaculum nigrificans</i>	ATCC™ 19858; BCRC 14424; CECT 8176; DSM 574; IFO 13698; NCIMB 8395
00082	<i>Enterobacter cloacae</i>	ATCC™ 23355; CCUG 33777; CECT 5075; CIP 103550; DSM 26481; NCTC 13380
00083	<i>Enterobacter cloacae</i>	ATCC™ 13047; BCRC 10401; CCUG 6323; CECT 194; CIP 60.85; DSM 30054; IFO 13535; JCM 1232; LMG 2783; NCIMB 10101; NCIMB(QC) 50122; NCTC 10005
00084	<i>Enterococcus faecalis</i>	CECT 4176; NCIMB 8260; NCIMB(QC) 50030; NCTC 8213

00085	<i>Enterococcus faecalis</i>	ATCC™ 51299; CCM 4647; CECT 8120; CIP 104676; DSM 12956; LMG 16216; NCTC 13379
00086	Vacant	Vacant
00087	<i>Enterococcus faecalis</i>	ATCC™ 29212; BCRC 10789; CCM 4224; CECT 795; CIP 103214; DSM 2570; JCM 2875; LMG 8222; NBIMCC 3915; NCIMB(QC) 50112; NCTC 12697
00088	<i>Enterococcus faecium</i>	CECT 4102; CIP 110050; DSM 2918; LMG 11397; NCIMB 12672; NCIMB(QC) 50032; NCTC 13640
00089	<i>Enterococcus hirae</i>	ATCC™ 8043; BCRC 11054; CCM 2423; CCUG 1332; CECT 279; CIP 53.48; DSM 20160; LMG 6399; NCIMB 8123; NCIMB(QC) 50031; NCTC 12367
00090	<i>Escherichia coli</i>	ATCC™ 11775; BCRC 10675; CCM 5172; CCUG 24; CECT 515; CIP 54.8; DSM 30083; LMG 2092; NBIMCC 3398; NCIMB 11943; NCIMB(QC) 50034; NCTC 9001
00091	<i>Escherichia coli</i>	CECT 8147; NCIMB 13059; NCIMB(QC) 50035; NCTC 10090
00092	Vacant	Vacant
00093	<i>Escherichia coli</i>	CECT 8294; CIP 105180; NCTC 12079
00094	<i>Escherichia coli</i>	CECT 8295; CIP 105181; NCTC 12080
00095	<i>Hafnia alvei</i>	ATCC™ 13337; CCUG 15720; CECT 158; CGMCC 1.2026; CIP 57.31; DSM 30163; JCM 1666; LMG 10392; NCIMB 11999; NCIMB(QC) 50037; NCTC 8105
00096	<i>Klebsiella oxytoca</i>	CECT 8207; CIP 110043; DSM 25736; NCIMB 12819; NCIMB(QC) 50038; NCTC 13775
00097	<i>Klebsiella pneumoniae</i>	ATCC™ 13883; BCRC 10692; CCM 7798; CCUG 225; CECT 143; CIP 82.91; DSM 30104; JCM 1662; LMG 2095; NBIMCC 3670; NCIMB 13281; NCIMB(QC) 50108; NCTC 9633
00098	<i>Lactobacillus acidophilus</i>	ATCC™ 4356; BCRC 10695; CCM 4833; CECT 903; CGMCC 1.1878; CIP 76.13; DSM 20079; LMG 9433; NCIMB 8690; NCIMB(QC) 50101; NCTC 12980
00099	<i>Lactobacillus brevis</i>	ATCC™ 14869; BCRC 12187; CCM 3805; CCUG 30670; CECT 4121; CIP 102806; DSM 20054; JCM 1059; LMG 6906; NBIMCC 3448; NCIMB 11973; NCIMB(QC) 50043
00100	<i>Lactobacillus casei</i>	ATCC™ 393; BCRC 10697; CCM 7088; CCUG 21451; CECT 475; CIP 103137; DSM 20011; JCM 1134; LMG 6904; NCIMB 11970; NCTC 13641



00101	<i>Lactobacillus rhamnosus</i>	ATCC™ 7469; BCRC 10940; BUCSAV 227; CCM 1825; CECT 278; CGMCC 1.2466; CICC 6224; CIP A157; DSM 20021; IAM 1118; IFO 3425; JCM 1136; LMG 6400; NBIMCC 1010; NCIMB 8010; NCIMB(QC) 50045; NCTC 13764
00102	<i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i>	ATCC™ 11842; BCRC 10696; CCM 7190; CECT 4005; CGMCC 1.6970; CIP 101027; DSM 20081; LMG 6901; NCIMB 11778; NCIMB(QC) 50050; NCTC 12712
00103	<i>Lactobacillus gasseri</i>	ATCC™ 19992; BCRC 17615; CCUG 39972; CECT 8109; CIP 103699; DSM 20077; LMG 13047; NCIMB 13081; NCIMB(QC) 50040; NCTC 13643
00104	<i>Lactobacillus plantarum</i>	ATCC™ 14917; BCRC 10069; CCM 7039; CCUG 30503; CECT 748; CGMCC 1.2437; CIP 103151; DSM 20174; IAM 12477; JCM 1149; LMG 6907; NBIMCC 3447; NCIMB 11974; NCIMB(QC) 50054; NCTC 13644
00105	<i>Weissella viridescens</i> (formerly <i>Lactobacillus viridescens</i> )	ATCC™ 12706; BCRC 11650; CCM 56; CCUG 30502; CECT 283; CIP 102810; DSM 20410; JCM 1174; LMG 3507; NCIMB 8965; NCIMB(QC) 50057
00106	<i>Legionella anisa</i>	ATCC™ 35292; BCRC 17043; CCUG 29665; CECT 8177; CIP 103870; DSM 17627; JCM 7573; NCTC 11974
00107	<i>Legionella pneumophila</i> serogroup 1	ATCC™ 33152; BCRC 17854; CCM 7799; CCUG 9568; CECT 7109; CIP 103854; DSM 7513; JCM 7571; NCTC 11192
00108	<i>Leuconostoc mesenteroides</i> subsp. <i>mesenteroides</i>	ATCC™ 9135; BCRC 14012; BUCSAV 312; CCM 1851; CECT 8146; CIP 110051; DSM 20241; LMG 8159; NCIMB 6992; NCIMB(QC) 50060
00109	<i>Listeria monocytogenes</i> serovar 1/2a	ATCC™ 35152; BCRC 15342; CCM 5576; CCUG 15527; CECT 5873; CIP 104794; LMG 13304; NCTC 7973
00110	<i>Listeria monocytogenes</i> serovar 4a	ATCC™ 19114; BCRC 14848; CECT 934; CIP 60.88; LMG 16783; NCTC 5214
00111	<i>Micrococcus luteus</i>	ATCC™ 4698; BCRC 11034; CCM 169; CCUG 5858; CECT 5863; CGMCC 1.1848; CIP A270; DSM 20030; IAM 1056; IFO 3333; JCM 1464; LMG 4050; NBIMCC 1439; NCIMB 9278; NCIMB(QC) 50063; NCTC 2665
00112	<i>Morganella morganii</i> subsp. <i>morganii</i>	ATCC™ 25830; BCRC 10706; CCUG 6328; CECT 173; CIP A231; DSM 30164; IFO 3848; LMG 7874; NCIMB 235; NCIMB(QC) 50064; NCTC 235
00113	<i>Photobacterium leiognathi</i>	ATCC™ 25521; BCRC 13806; CCUG 16229; CECT 4191; CIP 66.5; DSM 21260; LMG 4228; NCIMB 2193; NCIMB(QC) 50103

00114	<i>Pseudomonas aeruginosa</i>	ATCC™ 25668; CCM 3989; CECT 118; CIP 103837; NCIMB 13063; NCIMB(QC) 50067; NCTC 10662
00115	<i>Pseudomonas fluorescens</i>	ATCC™ 13525; BCRC 11028; CCM 2115; CCUG 1253; CECT 378; CIP 69.13; DSM 50090; IAM 12022; IFO 14160; JCM 5963; LMG 1794; NCIMB 9046; NCIMB(QC) 50068; NCTC 10038
00116	<i>Pseudomonas fragi</i>	ATCC™ 4973; BCRC 11019; CCM 1974; CCUG 556; CECT 446; CIP 55.4; DSM 3456; IFO 3458; LMG 2191; NCIMB 8542; NCIMB(QC) 50069; NCTC 10689
00117	<i>Pseudomonas putida</i>	ATCC™ 12633; BCRC 10459; CCM 7156; CCUG 12690; CECT 324; CIP 52.191; DSM 291; DSM 50906; IFO 14164; LMG 2257; NCIMB 9494; NCIMB(QC) 50070; NCTC 10936
00118	<i>Salmonella enterica</i> serovar Dublin	CECT 4152; NCIMB(QC) 50072
00119	<i>Salmonella enterica</i> serovar Enteritidis	CECT 4155; DSM 26655; NCIMB(QC) 50073; NCTC 5188
00120	<i>Salmonella enterica</i> serovar Saintpaul	CECT 4153; DSM 27656; NCIMB(QC) 50075; NCTC 6022
00121	<i>Salmonella enterica</i> serovar Typhimurium	ATCC™ 13311; BCRC 12947; CCM 7933; CCUG 11732; CECT 443; CIP 58.58; DSM 5569; LMG 10396; NCIMB(QC) 50100; NCTC 74
00122	<i>Salmonella enterica</i> serovar Typhimurium	CECT 4156; DSM 26529; NCTC 12190
00123	Vacant	Vacant
00124	<i>Salmonella enterica</i> serovar Virchow	CECT 4154; DSM 27686; CIP 110069; NCIMB(QC) 50077; NCTC 5742
00125	<i>Shigella flexneri</i>	ATCC™ 29903; BCRC 13984; CECT 8175; CIP 82.48; DSM 4782; NCIMB(QC) 50079; NCTC 13631
00126	<i>Shigella flexneri</i>	ATCC™ 12022; BCRC 10772; CECT 4804; CIP 104222; LMG 10472; NCIMB(QC) 50140; NCTC 12698
00127	<i>Shigella sonnei</i>	ATCC™ 29930; BCRC 15966; CECT 4887; CIP 82.49; DSM 5570; NCTC 12984
00128	Vacant	Vacant
00129	Vacant	Vacant
00130	<i>Staphylococcus aureus</i>	CECT 8148; CIP 110044; NCIMB 12820; NCIMB(QC) 50081; NCTC 13758
00131	<i>Staphylococcus aureus</i>	ATCC™ 29213; BCRC 11863; CCM 4223; CECT 794; CIP 103429; DSM 2569; JCM

		2874; LMG 10147; NBIMCC 3999; NCTC 12973
00132	<i>Staphylococcus epidermidis</i>	ATCC™ 14990; CCM 2124; CECT 232; CIP 81.55; DSM 20044; NCIMB 12721; NCIMB(QC) 50082; NCTC 11047
00133	<i>Streptococcus bovis</i>	ATCC™ 33317; BCRC 14729; CCUG 17828; CECT 213; CIP 102302; DSM 20480; LMG 8518; NCTC 8177
00134	<i>Streptococcus thermophilus</i>	ATCC™ 19258; BCRC 13869; CECT 986; CIP 102303; DSM 20617; LMG 6896; NBIMCC 3916; NCIMB 8510; NCIMB(QC) 50083; NCTC 12958
00135	<i>Thermoanaerobacterium thermosaccharolyticum</i>	ATCC™ 7956; CECT 5852; DSM 571; NCIMB 9385
00136	<i>Vibrio cholerae</i> non 0:1	CECT 8265; NCTC 11348; CCUG 67718; DSM 101014
00137	<i>Vibrio fluvialis</i>	ATCC™ 33809; BCRC 12830; CCM 3689; CCUG 13622; CECT 4217; CGMCC 1.1608; CIP 103355; DSM 19283; LMG 7894; NCIMB 2249; NCIMB(QC) 50084; NCTC 11327
00138	<i>Vibrio parahaemolyticus</i>	CECT 8264; DSM 27657; NCTC 11344
00139	<i>Vibrio vulnificus</i>	ATCC™ 27562; BCRC 12905; CCUG 13448; CIP 75.4; CECT 529; DSM 10143; LMG 13545; NCIMB 2046; NCIMB(QC) 50104; NCTC 13647
00140	Vacant	Vacant
00141	<i>Aspergillus flavus</i>	BCRC 30144; CECT 2949; DSM 1959; IMI 91856ii
00142	<i>Aspergillus flavus</i>	A-NRRL 3251; BCRC 30300; CCM 8363; CECT 20802; CSIRO 3084
00143	<i>Aspergillus parasiticus</i>	A-NRRL 2999; BCRC 30164; CECT 2681; CSIRO 2744
00144	<i>Aspergillus niger</i>	A-NRRL 3361; ATCC™ 6275; CBS 131.52; CSIRO 2522; CECT 2807; DSM 1957; NBRC 105649; UMIP 2475.98
00145	<i>Eurotium amstelodami</i>	ATCC™ 16018; CECT 2586; IMI 17455
00146	<i>Rhizopus stolonifer</i>	BCRC 32880; CECT 2672; IMI 61269
00147	<i>Saccharomyces cerevisiae</i>	ATCC™ 7754; BCRC 21727; CBS 1368; CECT 13074; NCIMB(QC) 50105; NCYC 79
00148	<i>Zygosaccharomyces rouxii</i>	CECT 13075; NCIMB(QC) 50106; NCYC 1522
00149	Vacant	Vacant
00150	Vacant	Vacant

00151	<i>Bacillus cereus</i>	ATCC™ 7004; BCRC 11837; CECT 8168; LMG 6910; NCIMB 8079; NCTC 13637 ;NRS 721
00152	<i>Enterococcus faecalis</i>	Duplicate entry of WDCM 00085
00153	<i>Enterococcus faecalis</i>	CECT 8225; CIP 110054; DSM 13591; NCTC 13632
00154	<i>Enterococcus faecium</i>	CECT 8224; CIP 110055; DSM 13590; NCTC 13633
00155	<i>Escherichia coli</i>	Duplicate entry of WDCM 00090
00156	<i>Campylobacter jejuni</i> subsp. <i>jejuni</i>	ATCC™ 29428; CCM 7212; CCUG 39973; CECT 8119; CIP 103778; NCTC 11322
00157	Vacant	Vacant
00158	<i>Pediococcus pentosaceus</i>	ATCC™ 33316; CCM 7796; CECT 4695; CIP 102260; DSM 20336; LMG 11488; NCIMB 12012; NCTC 12956
00159	<i>Staphylococcus saprophyticus</i> subsp. <i>saprophyticus</i>	ATCC™ 15305; CCM 883; CECT 235; CIP 76.125; DSM 20229; NBIMCC 3348; NCTC 7292
00160	<i>Yersinia enterocolitica</i> biotype 1 serotype 0:9	ATCC™ 23715; CECT 8263; DSM 27689; NCTC 10598
00161	Vacant	Vacant
00162	Vacant	Vacant
00163	Vacant	Vacant
00164	Vacant	Vacant
00165	Vacant	Vacant
00166	Vacant	Vacant
00167	Vacant	Vacant
00168	Vacant	Vacant
00169	Vacant	Vacant
00170	<i>Pantoea agglomerans</i>	ATCC™ 27155; CCUG 539; CECT 850; CGMCC 1.2244; CIP 57.51; DSM 3493; IAM 12659; JCM 1236; NCTC 9381
00171	Vacant Note :This number was previously allocated to a strain of <i>Campylobacter coli</i> now deleted.	Vacant
00172	Vacant Note :This number was previously allocated to a strain of <i>Campylobacter jejuni</i> subsp. <i>Jejuni</i> now deleted.	Vacant

00173	Vacant Note :This number was previously allocated to a strain of <i>Campylobacter jejuni</i> subsp. <i>Jejuni</i> now deleted.	Vacant
00174	<i>Clostridium perfringens</i>	ATCC™ 10543; CECT 4647; DSM 798
00175	<i>Enterobacter aerogenes</i>	ATCC™ 13048; CCM 7797; CECT 684; CICC 10293; CIP 60.86; DSM 30053; NCTC 10006
00176	<i>Enterococcus faecalis</i>	CCM 2541; CECT 8118; CIP 106877; DSM 24916
00177	<i>Enterococcus faecium</i>	ATCC™ 6057; CCM 2308; CECT 8108; CGMCC 1.2025; CIP 106742; DSM 2146
00178	<i>Enterococcus faecium</i>	CCM 7800; CECT 8293; CIP 106876; NCTC 13169 ; WR 63
00179	<i>Escherichia coli</i>	CCM 7801; CECT 8296; CIP 106878; DSM 19683; NCTC 13169; WR 1
00180	<i>Legionella pneumophila</i>	ATCC™ 33156; CECT 8343; CIP 103858; DSM 7514; NCTC 11233
00181	<i>Mucor racemosus</i>	ATCC™ 42647; CECT 20821
00182	<i>Wallemia sebi</i>	ATCC™ 42694; CECT 20820
00183	<i>Aspergillus restrictus</i>	ATCC™ 42693; CECT 20807
00184	<i>Eurotium rubrum</i>	ATCC™ 42690; CECT 20808
00185	<i>Vibrio parahaemolyticus</i>	NCTC 10885; CCUG 67717; CECT 9114; DSM 101031
00186	<i>Vibrio furnissi</i>	CECT 9113; DSM 14383; NCTC 11218
00187	<i>Vibrio vulnificus</i>	ATCC™ 29307; CECT 9109
00188	<i>Escherichia coli</i> Note :This number was previously allocated to a strain of <i>Enterobacter cloacae</i> now listed at WDCM 00200.	ATCC™ 43895; BCRC 14824; CCRC 14824; CECT 4783; CIP 106327
00189	<i>Penicillium citrinum</i> Note: This number was previously allocated to a strain of <i>Clostridium perfringens</i> now listed at WDCM 00201.	ATCC™ 9849; CECT 20822; NBRC 6352
00190	<i>Cladosporium cladosporioides</i> Note: This number was previously allocated to a strain of <i>Escherichia coli</i> now listed at WDCM 00202.	ATCC™ 11277; CECT 20805; NBRC 6348; NBRC 6368

00191	<i>Trichophyton mentagrophytes</i> Note: This number was previously allocated to a strain of <i>Vibrio cholerae</i> now listed at WDCM 00203.	CECT 20806; NBRC 32409; NBRC 32412
00192	<i>Klebsiella pneumoniae</i>	ATCC™ 4352; CECT 8453; CIP 104216; DSM 789; NBRC 13277; NCIMB 10341; NCTC 13635
00193	<i>Staphylococcus aureus</i>	ATCC™ 6538; ATCC™ 6538P; CCM 4516; CECT 239; CIP 4.83; DSM 799; NBRC 12732; NBRC 13276; NCIMB 9518; NCTC 10788
00194	<i>Penicillium pinophilum</i>	ATCC™ 9644; CBS 170.60; CECT 2912; DSM 1960; NBRC 6345
00195	<i>Staphylococcus aureus</i>	ATCC™ 6538P; CECT 240; CGMCC 1.89; DSM 346; NBRC 12732; NCTC 7447
00196	<i>Escherichia coli</i>	ATCC™ 8739; CECT 516; DSM 1576; NBRC 3972; NCTC 12923
00197	Vacant	Vacant
00198	Vacant	Vacant
00199	Vacant	Vacant
00200	<i>Enterobacter cloacae</i> Note: Previously listed at WDCM 00188.	NCTC 13168; WR 3
00201	<i>Clostridium perfringens</i> Note: Previously listed at WDCM 00189.	CCUG 67301; NCTC 13170
00202	<i>Escherichia coli</i> Note: Previously listed at WDCM 00190	CCM 7395; CECT 9153; CIP 110905; NCTC 13216
00203	<i>Vibrio Cholerae</i> non-01 / non-0139 Note: Previously listed at WDCM 00191.	ATCC™ 14733; NCTC 8042
00204	<i>Campylobacter lari</i>	ATCC 35221; CCUG 10773; CECT 8907; DSM 11375; LMG 7605; NCTC 11352
00205	<i>Legionella pneumophila</i> serogroup 1	CECT 8734; DSM 27564; NCTC 12821
00206	<i>Klebsiella pneumoniae</i>	ATCC™ 31488
00207	<i>Pseudomonas aeruginosa</i>	CCUG 67716; CECT 8735; DSM 101013; NCTC 12951
00208	Vacant	Vacant
00209	Vacant	Vacant

00210	<i>Enterococcus faecalis</i>	ATCC™ 33186; CECT 9151; CIP 100750; NCTC 13763
00211	<i>Staphylococcus aureus</i> subsp. <i>aureus</i>	ATCC™ 43300; CECT 5190; DSM 13661; NCTC 13373
00212	<i>Staphylococcus aureus</i>	CECT 9152; DSM 27146; NCTC 12493
00213	<i>Cronobacter muytjensii</i>	ATCC™ 51329; CECT 9143; DSM 21870
00214	<i>Cronobacter sakazakii</i>	ATCC™ 29544; CECT 858; DSM 4485 ; NCTC 11467
00215	<i>Yersinia enterocolitica</i>	ATCC™ 700823; CECT 754; NCTC 11174
00216	<i>Yersinia enterocolitica</i>	CECT 9144; CIP 106945; DSM 13030
00217	<i>Yersinia intermedia</i>	ATCC™ 29909; CECT 4317; NCTC 11469

### Part 3: List of Collections and contacts

Acronym	Collection and Address	Phone, Fax, Phoneex	Email / Website
AHU	AHU Culture Collection, Graduate School of Agriculture, Hokkaido University, Kita-9, Nishi-9, Kita-Ku, Sapporo, Hokkaido, 060-8589, Japan.	Phone: +81 11-706-2493 Fax: +81 11-706-4961	<a href="http://www.agr.hokudai.ac.jp/oukin/index.html">http://www.agr.hokudai.ac.jp/oukin/index.html</a>
ATCC™®	American Type Culture Collection, 10801 University Boulevard, Manassas, VA 20110-2209, USA.	Phone: (1) 703-365-2700 Fax: (1) 703-365-2701; (1) 703-365-2730	<a href="http://www.atcc.org">http://www.atcc.org</a> Email: <a href="mailto:mdemars@atcc.org">mdemars@atcc.org</a>
BCRC	Bioresource Collection and Research Center, Food Industry Research and Development Institute, PO Box 246, Hsinchu, Taiwan 30099, Chinese Taipei.	Phone: +886 3-5223191-580; +886 3-5223191-593 Fax: +886 3-5214016; +886 3-5227141	<a href="http://www.bcrc.firdi.org.tw">http://www.bcrc.firdi.org.tw</a> Email: <a href="mailto:gfy@firdi.org.tw">gfy@firdi.org.tw</a> ; <a href="mailto:chj@firdi.org.tw">chj@firdi.org.tw</a>
BTCC	Bulgarian Type Culture Collection, Institute for State Control of Drugs, Vladimir Zaimov No. 26, Sofia, Bulgaria.		
CBS	Centraalbureau voor Schimmelcultures, Filamentous fungi and Yeast Collection, Uppsalaan 8, PO Box 85167, 3508 AD Utrecht, The Netherlands.	Phone: +31-30 2122600 Fax: +31-30 2512097	<a href="http://www.cbs.knaw.nl">http://www.cbs.knaw.nl</a> Email: <a href="mailto:g.verkleij@cbs.knaw.nl">g.verkleij@cbs.knaw.nl</a>
CCM	Czech Collection of Microorganisms, Masaryk University, Kamenice 5, Brno, CZ-625 00 , Czech Republic.	Phone: +420 5-49491430; +420 5-49496933 Fax: +420 5- 49498289	<a href="http://sci.muni.cz/ccm/index.html">http://sci.muni.cz/ccm/index.html</a> Email: <a href="mailto:ccm@sci.muni.cz">ccm@sci.muni.cz</a> ; <a href="mailto:ivo@sci.muni.cz">ivo@sci.muni.cz</a>



CCUG	Culture Collection University of Goteborg, Sahlgrenska University Hospital, Department of Clinical Microbiology, PO Box 7193, Guldhedsgatan 10A, Göteborg, Västra Götaland, 40234, Sweden.	Phone: +46-31-342 4696; +46-31-342 4702 Fax: +46-31-829617	<a href="http://www.ccug.se/">http://www.ccug.se/</a> Email: <a href="mailto:erbmoorfe@ccug.se">erbmoorfe@ccug.se</a> ; <a href="mailto:lab@ccug.se">lab@ccug.se</a>
CCTM	Centre de Collection de Type Microbien, Institut de Microbiologie Universite de Lausanne, Rue du Bugnon 44, CH-1011, Lausanne, Switzerland.	Phone: +41-21-3142339 Fax: +41-21-3143181	
CECT	Spanish Type Culture Collection, CECT Colección Española de Cultivos Tipo, Catedrático Agustín Escardino, 9. 46980 Paterna (Valencia). Spain.	Phone: +34-96-3544612	<a href="http://www.cect.org/english/">http://www.cect.org/english/</a> Email: <a href="mailto:orders@cect.org">orders@cect.org</a>
CICC	China Center of Industrial Culture Collection, China National Reasearch Institute of Food and Fermentation Industries, Building 6, No. 24 Yard, Jiuxianqiao Middle Road, Chaoyang District, Beijing, 100015, China.	Phone: +86 10-53218306; +86 10-53218300 Fax: +86 10-53218306; +86 10-53218307	<a href="http://www.china-cicc.org">http://www.china-cicc.org</a> Email: <a href="mailto:Cheng100027@163.com">Cheng100027@163.com</a> ; <a href="mailto:sales@china-cicc.org">sales@china-cicc.org</a>
CIP	The Collection of Institut Pasteur, Collection de l'Institut Pasteur, Institut Pasteur, 25 rue du Docteur Roux, F-75724 Paris Cedex 15, France.	Phone : +33-1-45688775 Fax : +33-1-40613007	<a href="http://www.crbip.pasteur.fr">http://www.crbip.pasteur.fr</a> Email: <a href="mailto:crbip@pasteur.fr">crbip@pasteur.fr</a>
CGMCC	China General Microbiological Culture Collection Center, Institute of Microbiology, Chinese Academy of Sciences, NO.1 West Beichen Road, Chaoyang District, Beijing, China.	Phone : +86 10-64807355 Fax : +86 10-64807288	<a href="http://www.cgmcc.net">http://www.cgmcc.net</a> Email: <a href="mailto:cgmcc@im.ac.cn">cgmcc@im.ac.cn</a> ; <a href="mailto:zhouyg@im.ac.cn">zhouyg@im.ac.cn</a>
CNCTC	Czech National Collection of Type Cultures, National Institute of Public Health, Srobarova 48, CS-10042, Prague 10, Czech Republic.	Phone: +420- 267082428 Fax: +420-267082920	<a href="http://www.szu.cz/cnctc/">http://www.szu.cz/cnctc/</a> Email: <a href="mailto:renata.kolinska@szu.cz">renata.kolinska@szu.cz</a>

DSM	See DSMZ		
DSMZ	Leibniz Institute DSMZ-German Collection of Microorganisms and Cell Cultures, Leibniz-Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Inhoffenstraße 7 B, D-38124 Braunschweig, Lower Saxony, Germany.	Phone: +49 531-2616 Ext. 0 Fax: +49 531-2616 Ext. 418	<a href="http://www.dsmz.de">http://www.dsmz.de</a> Email: <a href="mailto:contact@dsmz.de">contact@dsmz.de</a>
FIRDI	See BCRC		
FPRL	See CABI		
GIFU	(GTC-GIFU) Gifu Type Culture Collection (GTC), Gifu University Culture Collection (GIFU), Department of Microbiology, Gifu University School of Medicine, 40 Tsukasa-Machi, Gifu 500-8705, Japan.	Phone: +81 58-2672240 Fax: +81 58-2670156	<a href="http://microbiology.ms.gifu-u.ac.jp/">http://microbiology.ms.gifu-u.ac.jp/</a> Email: <a href="mailto:tezaki@gifu-u.ac.jp">tezaki@gifu-u.ac.jp</a>
HNCMB	Hungarian National Collection of Medical Bacteria, National Center for Epidemiology, Gyali ut 2-6, H-1097, Budapest, Hungary.	Phone: +36 1-476-11-18 Fax: +36 1-476-11-18	Email: <a href="mailto:fuzi.oek@antsz.hu">fuzi.oek@antsz.hu</a>
IAM	See JCM		
IFO	Institute for Fermentation, Osaka, 17-85 Juso-Honmachi 2- chome, Yodogawa-ku, Osaka, 532-8686, Japan.	Phone: +81 6-300-6555 Fax: +81 6-300-6814	<a href="http://www.ifo.or.jp/index_e.html">http://www.ifo.or.jp/index_e.html</a>

IHEM	BCCM™/IHEM Belgian Coordinated Collections of Microorganisms / IHEM Fungi collection, Scientific Institute of Public Health, Mycology Section, Rue Juliette Wytsman, 14, B-1050 Brussels, Belgium.	Phone: +32-2-642-5518; + 32-2-642-5509 Fax: +32-2-642-5519	<a href="http://bccm.belspo.be/about/ihem.php">http://bccm.belspo.be/about/ihem.php</a> Email: <a href="mailto:bccm.ihem@wiv-isp.be">bccm.ihem@wiv-isp.be</a> ; <a href="mailto:marijke.hendrickx@wiv-isp.be">marijke.hendrickx@wiv-isp.be</a>
IID	Laboratory Culture Collection, Institute of Medical Science, University of Tokyo, 4-6-1 Shirokanedai, Minato-ku, Tokyo, 108-8639, Japan.	Phone: +81 3-5449-5391; +81 3-5449-5252 Fax: +81 3-5449-5254; +81 3-5449-5405	<a href="http://www.ims.u-tokyo.ac.jp/bac/kinkabu00309/home.html">http://www.ims.u-tokyo.ac.jp/bac/kinkabu00309/home.html</a>
IMI	CABI Genetic Resource Collection, CAB International (CABI), Bakeham Lane, Egham, Surrey, TW20 9TY, UK.	Phone: +44-1491-829000; +44-1491-829063 Fax: +44-1491-829100	<a href="http://www.cabi.org">http://www.cabi.org</a> Email: <a href="mailto:d.smith@cabi.org">d.smith@cabi.org</a> ; <a href="mailto:m.ryan@cabi.org">m.ryan@cabi.org</a>
IP	See CIP		
JCM	Japan Collection of Microorganisms, RIKEN BioResource Center, 3-1-1 Koyadai, Tsukuba, Ibaraki, 305-0074, Japan.	Phone: (81) 29-836-9556 Fax: (81) 29-836-9561	<a href="http://jcm.brc.riken.jp/">http://jcm.brc.riken.jp/</a> Email: <a href="mailto:inquiry@jcm.riken.jp">inquiry@jcm.riken.jp</a>
LMG	BCCM/LMG Bacteria Collection, Laboratorium voor Microbiologie, Universiteit Gent, K.L. Ledeganckstraat 35, Gent, Oost-Vlaanderen, B-9000, Belgium.	Phone: +32-9-2645108 Fax: +32-9-2645346	<a href="http://bccm.belspo.be/about/lmg.php">http://bccm.belspo.be/about/lmg.php</a> Email: <a href="mailto:bccm.lmg@ugent.be">bccm.lmg@ugent.be</a>
MUCL	BCCM/MUCL Agro-environmental Fungi Collection, Université catholique de Louvain, Earth and Life Institute, Microbiology, Mycology, Croix du Sud 2 bte L7.05.06, Louvain-la-Neuve, Brabant Wallon, B-1348, Belgium.	Phone: +32-10-473742 Fax: +32-10-451501	<a href="http://bccm.belspo.be/about-us/bccm-mucl">http://bccm.belspo.be/about-us/bccm-mucl</a> Email: <a href="mailto:stephan.declerck@uclouvain.be">stephan.declerck@uclouvain.be</a> ; <a href="mailto:bccm-mucl@uclouvain.be">bccm-mucl@uclouvain.be</a>

NBIMCC	National Bank for Industrial Microorganisms and Cell Cultures, University of Chemical Technology and Metallurgy, 49 St Kliment Ohridski blvd., bild. 3, Sofia, Sofia, 1756, Bulgaria	Phone: (359) 2-872 08 65 Fax: (359) 2-872 08 65	<a href="http://www.nbimcc.org">http://www.nbimcc.org</a> Email: nbimcc@nbimcc.org; info@nbimcc.org
NBRC	NBRC Culture Collection, Biological Resource Center, National Institute of Technology and Evaluation (NBRC), 2-5-8, Kazusakamatari, Kisarazu, Chiba, 292-0818, Japan.	Phone: +81 438-20-5763 ; +81 438-20-5760 Fax: +81 438-52-2329 ; +81 438-20-5762	<a href="http://www.nite.go.jp/en/nbrc/index.html">http://www.nite.go.jp/en/nbrc/index.html</a> Email: nbrc@nite.go.jp
NCCB	NCCB, the Netherlands Culture Collection of Bacteria (formerly LMD and Phabagen Collection, Centraalbureau voor Schimmelcultures (CBS), CBS Fungal Biodiversity Centre, Uppsalaan 8, PO Box 85167, 3508 AD Utrecht, The Netherlands.	Phone: +31-30-2122634 Fax: +31-30 2512097	<a href="http://www.cbs.knaw.nl/nccb">http://www.cbs.knaw.nl/nccb</a> Email: NCCB@cbs.knaw.nl; m.figge@cbs.knaw.nl
NCDO	See NCIMB		
NCFB	See NCIMB		
NCIB	See NCIMB		
NCIMB	National Collection of Industrial, Food and Marine Bacteria Ltd., Ferguson Building, Craibstone Estate, Bucksburn, Aberdeen, Scotland, AB21 9YA, UK.	Phone: +44-1224-711100 Fax: +44-1224-487658	<a href="http://www.ncimb.co.uk">http://www.ncimb.co.uk</a> Email: s.law@ncimb.com; culturecollection@ncimb.com
NCPF	National Collection of Pathogenic Fungi, Culture Collections, Public Health England, Porton Down, Salisbury, Wiltshire, SP4 0JG, UK.	Phone: +44 (0) 1980 612512 Fax: +44 (0) 1980 611315	<a href="http://www.phe-culturecollections.org.uk">http://www.phe-culturecollections.org.uk</a> Email: julie.e.russell@phe.gov.uk; culturecollections@phe.gov.uk

NCPPB	National Collection of Plant Pathogenic Bacteria, Fera Science Ltd., Sand Hutton, York, North Yorks, YO4 ILZ, UK.	Phone: +44 1904-462-344; +44 1904-462-000 Fax: +44-1904-462111	<a href="http://www.ncppb.com/">http://www.ncppb.com/</a> Email: ncppb@fera.gsi.gov.uk
NCTC	National Collection of Type Cultures, Culture Collections, Public Health England, Porton Down, Salisbury, Wiltshire, SP4 0JG, UK.	Phone: +44 (0) 1980 612661	<a href="http://www.phe-culturecollections.org.uk">http://www.phe-culturecollections.org.uk</a> Email: julie.e.russell@phe.gov.uk; culturecollections.nctc@phe.gov.uk
NCYC	National Collection of Yeast Cultures, Institute of Food Research, Norwich Research Park, Colney, Norwich, NR4 7UA, UK.	Phone: +44-1603-255000 Fax: +44-1603-458414	<a href="http://www.ifr.bbsrc.ac.uk/ncyc/">http://www.ifr.bbsrc.ac.uk/ncyc/</a> Email: ian.roberts@bbsrc.ac.uk
NRIC	Nodai Research Institute Culture Collection, Tokyo University of Agriculture, 1-1 Sakuragaoka, Setagaya-ku, Tokyo, 156-8502, Japan.	Phone: +81 3-5477-2549 Fax: +81 3-5477-2549	Email: sokada@nodai.ac.jp
NRRL	Agricultural Research Service Culture Collection, National Center for Agricultural Utilization Research, 1815 North University Street, Peoria, Illinois, 61604, USA. (formerly Northern Regional Research Laboratory).	Phone: +(1) 309-681-6394 Fax: +(1) 309-681-6672	<a href="http://nrri.ncaur.usda.gov/">http://nrri.ncaur.usda.gov/</a> Email : Todd.Ward@ars.usda.gov
OUT	Department of Biotechnology, Graduate School of Engineering, Osaka University, Yamadaoka 2-1, Suita, Osaka, 565-0871, Japan.	Phone: +81 6-6879-7422 Fax: +81 6-6879-7421	Email: kaneko@bio.eng.osaka-u.ac.jp
QM	US Army Natick Laboratories, Natick, Massachusetts 01760, USA. (formerly Quartermaster Research & Engineering Center).		
RIMD	Research Institute for Microbial Diseases, Research Center for Emerging Infections Diseases, Osaka University, 3-1 Yamadaoka, Suita, Osaka, 565-0871, Japan.	Phone: +81 6-6879-8341 Fax: +81 6-6879-8342	<a href="http://rceid.biken.osaka-u.ac.jp/">http://rceid.biken.osaka-u.ac.jp/</a> Email: myon@biken.osaka-u.ac.jp

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UMIP	Collection de Champignons et Actinomycetes Pathogenes, Institut Pasteur, 28 rue du Docteur Roux, F-75724 Paris Cedex 15, France.	Phone : +33-1-45688357 ; +33-1-40613251 Fax : +33-1-45688420	<a href="http://www.crbip.pasteur.fr">http://www.crbip.pasteur.fr</a> Email: papierok@pasteur.fr
VKM	All-Russian Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Science, Poustchino, Moscow Region, pr. Nauki, 5, 142292, Russian Federation.	Phone: +7-095-9257448; +7-095-9538605 Fax: +7-095- 9563370 ; +7-095-9538605	<a href="http://www.vkm.ru/">http://www.vkm.ru/</a> Email: vkm@ibpm.serpukhov.su
VKM	(Fungal Collection) All-Russian Collection, Institute of Biochemistry and Physiology of Microorganisms, Bakhrushina str., 8, Moscow, 113184, Russia.	Phone : 7(095)951-30-87 Fax : 7(095)953-86-05	Email : smo@au.ru
VTT	VTT Culture Collection, VTT Technical Research Centre of Finland Ltd, Tietotie 2, Espoo,P.O. Box 1000, FI-02044, Finland.	Phone: +358- 20 722 4526 Fax: +358- 20 722 7001	<a href="http://culturecollection.vtt.fi/">http://culturecollection.vtt.fi/</a> Email: culture.collection@vtt.fi; plant.collection@vtt.fi