

I. Abbreviations used in the Catalogue

ACAM	The Australian Collection of Antarctic Microorganisms, Cooperative Research Center for the Antarctic and Southern Ocean Environment, University of Tasmania, Australia	CCY	University of Goteborg, Sweden Culture Collection of Yeasts, Institute of Chemistry, Slovak Academy of Sciences, Slovakia
ACCC	Agricultural Culture Collection of China, China	CDA	Canadian Department of Agriculture, Canada
ACM	University of Queensland Microbial Culture Collection, Department of Microbiology, University of Queensland, Australia	CDC	Centers for Disease Control, United States Public Health Service, USA
ACTU	see ATU	CECT	Coleccion Espanola de Cultivos Tipo, Universidad de Valencia, Spain
AES	see NIAES	CFBP	Collection Francaise des Bacteries Phytopathogenes, Institut National de la Recherche Agronomique (INRA), France
AHU	AHU Culture Collection, Graduate School of Agriculture, Hokkaido University, Japan	CGMCC	China General Microbiological Culture Collection Center, Institute of Microbiology, Chinese Academy of Sciences, China
AJ	Central Research Laboratories, Ajinomoto Co. Inc., Japan	CGSC	E. coli Genetic Stock Center, USA
AKU	Faculty of Agriculture, Kyoto University, Japan	CIAT	CIAT Rhizobium collection, Centro Internacional de Agricultura Tropical, Colombia
AMNH	American Museum of National History, USA	CIP	Collection de l'Institut Pasteur, Institut Pasteur, France
ARSEF	The Agricultural Research Service Collection of Entomopathogenic Fungi, USDA, USA	CIW	Carnegie Institution of Washington, USA
AS	Institute of Microbiology, Academia Sinica, China, see CGMCC	CL	Carlsberg Laboratorium, Denmark
ATCC	American Type Culture Collection, USA	CLMR	Central Laboratory, South Manchuria Railway Co. Ltd.
ATHUM	Athens University Mycology, National and Kapodistrian University of Athens, Greece	CMI	see IMI
ATU	Department of Biotechnology, Graduate School of Agriculture, The University of Tokyo, Japan	CNCTC	Czech National Collection of Type Cultures, Czech Republic
AYU	Laboratory of Applied Microbiology, Yamaguchi University, Japan	CRIPP	Central Research Institute of Plant Production, Czech Republic
BCC	BIOTEC Culture Collection, National Center for Genetic Engineering and Biotechnology, Thailand	CSIR	Council for Scientific and Industrial Research, South Africa
BCRC	Bioresource Collection and Research Center, Food Industry Research and Development Institute, Taiwan	CUB	CUB Actinomycete Culture Collection, University of Bradford, UK
BDUN	Botany Department, University of Nottingham, UK	DAOM	Mycological Herbarium, Department of Agriculture, Canada
BGSC	Bacillus Genetic Stock Center, The Ohio State University, USA	DAR	Plant Pathology Herbarium, Orange Agricultural Institute, Australia
BIG	Botanisches Institut, Geisenheim am Rhein, Germany	DBVPG	Industrial Yeast Collection, Dipartimento di Biologia Vegetale e Biotecnologia Agroambientale, Università di Perugia, Italy
BIOTECH	Philippine National Collection of Microorganisms, National Institute of Molecular Biology and Biotechnology, University of the Philippines at Los Banos, Philippines	DSIR	Department of Scientific and Industrial Research, New Zealand
BKM	see VKM	DSM	Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH, Germany
BTCC	Biotechnology Culture Collection Institution Pusat Penelitian dan Pengembangan Bioteknologi-LIPI, Indonesia	ESAH	National Institute of Animal Health, Japan
BUCSAV	Institute of Biology, Czech Academy of Sciences, Czech Republic	ETH	Eidgenossische Technische Hochschule, Institut für spezialisierte Botanik, Switzerland
CAES	Chiba Prefecture Agricultural Experiment Station, Japan	FAT	see ATU
CAIM	Collection of Aquatic Important Microorganisms, CIAD/Mazatlan Unit for Aquaculture and Environmental Management, Mexico	FDA	Food and Drug Administration, USA
CBS	Centraalbureau voor Schimmelcultures, Fungal and Yeast Collection, Netherlands	FERM	International Patent Organism Depository, National Institute of Advanced Industrial Science and Technology, Japan see FFPRI
CCBAU	Culture Collection, Beijing Agricultural University, China	FFPRI	Forestry and Forest Products Research Institute, Japan
CCEB	Culture Collection of Entomogenous Bacteria, Institute of Entomology, Czech Republic	FGSC	Fungal Genetic Stock Center, School of Biological Sciences, University of Missouri, USA
CCM	Czech Collection of Microorganisms, Masaryk University, Czech Republic	FIRDI	Culture Collection and Research Center, Food Industry Research and Development Institute, Taiwan, see BCRC
CCMP	Provasoli-Guillard National Center for Culture of Marine Phytoplankton, USA	FMJ	Faculty of Medicine, Juntendo University, Japan
CCRC	see BCRC	FMR	Facultad de Medicina, Reus, Spain
CCT	Colecao de Culturas Tropical, Fundacao Tropical de Pesquisas de Tecnologia "Andre Tosello", Brazil	FRI	Fermentation Research Institute, Japan, see FERM
CCTCC	China Center for Type Culture Collection, Wuhan University, China	FRI	Food Research Institute, Australia
CCTM	Centre de Collection de Type Microbien, Institut de Microbiologie, Université de Lausanne, Switzerland	FRR	Food Science Australia, Ryde, CSIRO, Australia
CCUG	Culture Collection, Department of Clinical Bacteriology, University of Goteborg, Sweden	GIFU	Gifu University Culture Collection, Department of Microbiology, Gifu University Graduate School of Medicine, Japan
		GRIF	Government Research Institute of Formosa, Taiwan
		GSRICI	Golden Sea Research Institute of Chemical Industry, China
		GTC	Gifu Type Culture Collection, Department of Microbiology, Gifu University Graduate School of Medicine, Japan
		HAC	Faculty of Agriculture, Kobe University, Japan

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HACC	Research Laboratories, Hindustan Antibiotics Ltd., India		
HAMBI	HAMBI Culture Collection, Department of Applied Chemistry and Microbiology, University of Helsinki, Finland	IPCR	Czech Republic Animal Physiology Laboratory, RIKEN (The Institute Physical and Chemical Research), Japan (defunct)
HBL	The Hartley Botanical Laboratory, University of Liverpool, UK	IPH	The Institute of Public Health, Japan
HER	Felix d'Herelle Reference Center for Bacterial Viruses, Canada	IPR	Instituto di Parassitologia dell' Università, Italy
HMGB	Hungarian Microbiology Gene Bank Microbiological Department Group of the Department of Food Technology and Microbiology of the University of Horticulture, Hungary	IPT	Agrupamento de Biotecnologia, Culture Collection of Microorganisms, IPT-Instituto de Pesquisas Tecnologicas do Estado de Sao Paulo, Brazil
HNCMB	Hungarian National Collection of Medical Bacteria, Hungary	IPV	Instituto di Pathologia Vegetale, Italy
HSCC	Research Laboratory, Higeta Shoyu Co. Ltd., Japan	IPVM	Instituto di Pathologia Vegetale, Italy, see IPV
HUT	HUT Culture Collection, Department of Molecular Biotechnology, Graduate School of Advanced Science of Matter, Hiroshima University, Japan	ISP	International Cooperative Project for Description and Deposition of Type Cultures of <i>Streptomyces</i>
IAM	IAM Culture Collection, Institute of Molecular and Cellular Biosciences, The University of Tokyo, Japan (collection transferred to JCM)	IZ	Instituto Zimotecnico Universidade de Sao Paulo, Brazil
IARI	Indian Agricultural Research Institute, India	JBIC	Japan Biological Informatics Consortium, Japan
IAUM	Institute of Agriculture, University of Minnesota, USA	JCM	Japan Collection of Microorganisms, RIKEN BioResource Center, Japan
IBL	Laboratorio de Microbiologia, Centro de Biologia, Instituto Gulbenkian de Ciencia, Portugal	KACC	KACC, Korean Agricultural Culture Collection, Republic of Korea
IBPhM	Institute of Biochemistry and Physiology of Microorganisms, VKM, Russia	KCC	KCC Culture Collection of Actinomycetes, Kaken Pharmaceutical Co. Ltd., Japan (collection transferred to JCM)
IBT	IBT Culture Collection of Fungi, Denmark	KCCM	Korean Culture Center of Microorganisms, Department of Food Engineering, Yonsei University, Seoul, Republic of Korea.
ICMP	International Collection of Microorganisms from Plants, Plant Diseases Division, DSIR, New Zealand	KCTC	Korean Collection for Type Cultures, Korea Research Institute of Bioscience and Biotechnology, Republic of Korea
ICPB	International Collection of Phytopathogenic Bacteria, Davis, CA, USA.	KITA	The Kitasato Institute, Japan
IE	Cepario de Hongos del Instituto de Ecologia, Instituto de Ecologia, Mexico	KMM	Collection of Marine Microorganisms, Russia
IEGM	Regional Specialized Collection of Alkanotrophic Microorganisms, Institute of Ecology and Genetics of Microorganisms, Urals Branch, Russian Academy of Science, Russia	KTH	Kungliga Tekniska Hogskola, Sweden
IFAM	Institut fur Allgemeine Mikrobiologie, University of Kiel, Germany	KYA	Faculty of Agriculture, Kyushu University, Japan
IFM	Research Center for Pathogenic Fungi and Microbial Toxicoses, Chiba University, Japan	KYM	Faculty of Medicine, Kyushu University, Japan
IFO	Institute for Fermentation, Osaka, Japan	LC	Laboratoire de Cryptogamie, France
IGC	Portuguese Yeast Culture Collection, Portugal, see PYCC	LCDC	Laboratory Center for Disease Control Tunney's Pasture, Canada
IGE	Institute of Genetic Ecology, Tohoku University, Japan	LCI	Instituto Botanico dell' Università e Laboratorio Crittogamico Italiano, Italy
IHEM	BCCM/IHEM, Scientific Institute of Public Health, Belgium	LCP	Fungal Strain Collection, Laboratory of Cryptogamy, France
IHM	Instituto de Higiene Experimental, Uruguay	LIA	Museum of Cultures, Leningrad Research Institute of Antibiotics, Russia
IID	Laboratory Culture Collection, Institute of Medical Science, The University of Tokyo, Japan	LIPIMC	Lembaga Ilmu Pengetahuan Indonesia, Indonesian Institute for Sciences, Indonesia
IMAB	Instituto de Microbiologia Agricola, Argentina	LM	see LMD
IMAS	Institute of Microbiology, Academia Sinica, China, see CGMCC	LMBP	Belgian Coordinated Collections of Microorganisms / LMBP Plasmid Collections, Department of Molecular Biology, Universiteit Gent, Belgium
IMC	Institute of Microbial Chemistry, Japan	LMD	Laboratory of Microbiology and Enzymology, Delft University of Technology, Netherlands, see NCCB
IMD	Industrial Microbiology Dublin, Department of Industrial Microbiology, University College, Ireland	LMG	Belgian Coordinated Collections of Microorganisms / LMG Bacteria Collection, Laboratorium voor Microbiologie, Universiteit Gent, Belgium
IMET	Zentralinstitut fur Mikrobiologie und Experimentelle Therapie, Germany (defunct)	LP	Mycothèque de Laboratoire de Parasitologie de la Faculté de Médecine, France
IMI	CABI Bioscience Genetic Resource Collection, CABI Bioscience UK Centre (Egham), UK	MAFF	MAFF Genebank, National Institute of Agrobiological Sciences, Japan
IMRU	Waksman Institute of Microbiology, Rutgers, The State University of New Jersey, USA	MBIC	Marine Biotechnology Institute Culture Collection, Marine Biotechnology Institute, Japan (defunct, algal collection partly transferred to NBRC)
IMSNU	Institute of Microbiology, Seoul National University, Republic of Korea	MCRL	Microbiological Research Laboratory, Tanabe Seiyaku Co. Ltd., Japan
IMUR	Institute of Mycology, University of Recife, Brazil	MDB	see CCM
IMV	Institute of Microbiology and Virology, Academy of Sciences of Ukraine, Ukraine	MNHN	Museum National d'Histoire Naturelle, France
INA	Institute of New Antibiotics, Russia	MO	Medical School, Osaka University, Japan
INMI	Institute of Microbiology, Russian Academy of Sciences, Russia	MTCC	Microbial Type Culture Collection & Gene Bank, Institute of Microbial Technology, India
IOC	Colecao de Culturas de Fungos do Instituto Oswaldo Cruz, Fundacao Oswaldo Cruz, Brazil	MTU	Faculty of Medicine, University of Tokyo, Japan
IP	Department of Insect Pathology, Institute of Entomology,	MUCL	Belgian Coordinated Collections of Microorganisms / MUCL-(Agro)Industrial fungi & Yeasts Collection, Laboratoire de Mycologie Systematique et Appliquee,

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	Université Catholique de Louvain, Belgium		Academy of Sciences, Poland
NARI	see NIAES	PCU	Department of Microbiology, Faculty of Pharmaceutical Sciences, Thailand
NBIMCC	National Bank for Industrial Microorganisms and Cell Cultures, Bulgaria	PC-V	Phabagen Collection, Laboratory for Microbiology, Netherlands, see NCCB
NBDC	Biotechnology Development Center, Department of Biotechnology, National Institute of Technology and Evaluation, Japan	PDDCC	Plant Diseases Division Culture Collection, New Zealand, See ICMP
NBRC	Biological Resource Center, Department of Biotechnology, National Institute of Technology and Evaluation, Japan	PPCT	Plant Protection Center, Taiwan,
NCA	National Cannery Association, USA	PYCC	Portuguese Yeast Culture Collection, C.R.M., New University of Lisbon, Portugal
NCAIM	National Collection of Agricultural and Industrial Microorganisms, Szent Istvan University, Hungary	QM	Pioneering Research Division, U.S. Army Natick Laboratories, Natick, USA (Quartermaster Research and Development Center)
NCB	National Culture Bank, Dip. Biologia Applicata Difesa Piante - University, Italy	RI	Rockefeller Institute, USA
NCCB	The Netherlands Culture Collection of Bacteria, Netherlands	RIA	The Russia Research Institute for Antibiotics Culture Collection, Russia Research Institute for Antibiotics, Russia
NCDC	see CDC	RIB	National Research Institute of Brewing, Japan
NCDO	National Collection of Dairy Organisms, National Institute for Research in Dairying, UK	RIFY	The Institute of Enology and Viticulture, University of Yamanashi, Japan
NCFB	National Collection of Food Bacteria, UK, see NCIMB	RIMD	Research Institute for Microbial Diseases, Research Center for Emerging Infectious Diseases, Osaka University, Japan
NCIB	National Collection of Industrial Bacteria, UK, see NCIMB	RTCI	Research Laboratories, Takeda Chemical Industries Ltd., Japan
NCIM	National Collection of Industrial Microorganisms, India	RV	Collection of Leptospira Strains, Italy
NCIMB	National Collection of Industrial, Food and Marine Bacteria, NCIMB Ltd., UK	SAJ	Society for Actinomycetes, Japan
NCMB	National Collection of Marine Bacteria, UK, see NCIMB	SCC	Schering-Plough Research Institute, USA
NCPF	National Collection of Pathogenic Fungi, PHLS Mycological Reference Laboratory, Central Public Health Laboratories, UK	SIFF	Institute National de la Sante Publique, Norway
NCPPB	National Collection of Plant Pathogenic Bacteria, Central Science Laboratory, UK	SIIA	Sinchan Industrial Institute of Antibiotics, China
NCTC	National Collection of Type Cultures, PHLS Central Public Health Laboratory, UK	SMCC	Soil Microbiology Culture Collection, CSIRO, Division of Soils, Australia
NCYC	National Collection of Yeast Cultures, Institute of Food Research, UK	SU	Biological Institute, Faculty of Education, Shiga University, Japan
NGAC	Genome Analysis Center, Department of Biotechnology, National Institute of Technology and Evaluation, Japan	TARL	Takeda Analytical Research Laboratory Ltd., Japan
NHL	National Institute of Hygienic Sciences, Japan	TI	Herbarium of the Department of Botany, Faculty of Science, University of Tokyo, Japan
NI	Nagao Institute, Tokyo, Japan (defunct)	TIMM	Institute of Medical Mycology, Teikyo University, Japan
NIAES	National Institute of Agro-environmental Sciences, Japan	TISTR	TISTR Culture Collection Bangkok MIRCEN, Thailand
NIAH	National Institute of Animal Health, Japan	TKB	see TKBC
NIAS	see NIAES	TKBC	Institute of Biological Sciences, University of Tsukuba, Japan
NIAST	National Institute of Agricultural Science and Technology, Republic of Korea	TMI	The Tottori Mycological Institute, Japan
NIG	Microbial Genetics, Genetic Strains Research Center, National Institute of Genetics, Research Organization of Information and Systems, Japan	TRTC	Department of Botany, University of Toronto, Canada
NIH	National Institute of Health, USA	TSM	National Science Museum, Japan
NIHA	National Institute of Health, USA, see NIH	UAMH	University of Alberta Microfungus Collection and Herbarium, University of Alberta, Canada
NIHJ	National Institute of Health, Japan	UBC	Department of Botany, University of British Columbia, Canada
NISL	Noda Institute for Scientific Research, Japan	UC	Istituto di Patologia Vegetale della Facolta di Agraria, Universita Cattolica del S.Cuore, Italy
NITE	National Institute of Technology and Evaluation, Japan	UCD	Department of Food Science and Technology, University of California, USA
NRC	see NRCC	UICC	University of Indonesia Culture Collection, Indonesia
NRCC	National Research Council, Canada	UNIQEM	Unique and Extremophilic Microorganisms Collection of Winogradsky Institute of Microbiology RAS, Moscow, Russia
NRIC	NODAI Research Institute Culture Collection, Tokyo University of Agriculture, Japan	UOP	see OPU
NRICO	see NRIC	UPSC	Uppsala University Culture Collection of Fungi, Sweden
NRRL	Agricultural Research Service Culture Collection, National Center for Agricultural Utilization Research, USA	UQM	Department of Microbiology, The University of Queensland, see ACM
OCM	Oregon Collection of Methanogens, Portland State University, USA	USCC	University of Surrey Culture Collection, United Kingdom
OEU	Osaka University of Education, Japan	USDA	United States Department of Agriculture, USA
OPH	Osaka Prefectural Hospital, Japan	USDA ARS	Agricultural Research Service, USDA, USA
OPU	College of Agriculture, Osaka Prefecture University, Japan.	USDA BPI	U.S. National Fungus Collections, Systematic Mycology and Microbiology Laboratory, ARS, USDA, USAUSRCB
OUT	Department of Biotechnology, Graduate School of Engineering, Osaka University, Japan		Ukrainian Scientific-Research Cell Bank., Ukraine
OWU	Ohio Wesleyan University, USA	UWO	Department of Plant Sciences, University of Western Ontario, Canada
PCI	Penicillin Control and Immunology Section, Food and Drug Administration, USA	VKB	see VKM
PCM	Polish Collection of Microorganisms, Ludwik Hirszfeld Institute of Immunology and Experimental Therapy, Polish		

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VKM	All-Russian Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms, Russian Academy of Sciences, Russia
VKPM	Russian National Collection of Industrial Microorganisms, Institute of Genetics and Selection of Industrial Microorganisms, Russia
VTCC	Vietnam Type Culture Collection, Viet Nam
VTT	VTT Culture Collection, Finland
WB	Department of Bacteriology, University of Wisconsin, USA
WFPL	Western Forest Products Laboratory, Canada
WRRL	Western Utilization Research and Development Division, U.S. Department of Agriculture, USA
YCC	see UCD
YIM	see YM
YM	Strains Collection of Yunnan Institute of Microbiology, Yunnan University, China