

Resource Summary Report

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NBRC

RRID:SCR_002660

Type: Tool

Proper Citation

NBRC (RRID:SCR_002660)

Resource Information

URL: <http://www.nbrc.nite.go.jp/e/index.html>

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Description: Collection of microbial resources and perform taxonomic characterization of individual microorganisms such as bacteria including actinomycetes and archaea, yeasts, fungi, algae, bacteriophages and DNA resources for academic research and industrial applications. NBRC is a member of WFCC, OECD Global BRC Network, ACM and JSCC. They are certified by quality management system ISO 9001. To provide attractive biological resources with useful information attached, they actively collect potentially useful biological resources (microorganisms and cloned genes) and distributes them to promote basic research as well as industrial applications. At the Biological Resource Center, they explore, isolate and identify microorganisms from various natural environments and at the same time accept scientifically and industrially useful microorganisms from researchers in academic and industrial sectors. The microbial DNA library constructed at the Biotechnology Development Center is also part of their collection. To improve and expand the collection, new methodologies for the isolation, identification and preservation of microorganisms and DNA will be investigated and developed so as to provide biological resources of higher quality. Their resources serve, for example, as the standard for determining antimicrobial activity, in aseptic tests as well as for the production of pharmaceutical substances and will be constantly reinforced for wider distribution to researchers in academia and industries. Please refer to the catalog shown at the NBRC website for details.

Abbreviations: NBRC

Synonyms: National Institute of Technology and Evaluation Biological Resource Center, NITE Biological Resource Center, Biological Resource Center NITE

Resource Type: biomaterial supply resource, material resource

Keywords: cdna clone, dna, clone, human, oligo-capping, microbial, genomic, cdna, FASEB list

Availability: Restricted

Resource Name: NBRC

Resource ID: SCR_002660

Alternate IDs: nif-0000-22391

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260801T191041+0000

Ratings and Alerts

No rating or validation information has been found for NBRC.

No alerts have been found for NBRC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 815 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Yamashita TR, et al. (2026) Production of antibacterial compounds by a Steely hybrid polyketide synthase in Dictyostelium. FEBS open bio, 16(1), 68.

Daba GM, et al. (2025) Physicochemical and sensory characterization of functional synbiotic Labneh fortified with the bacteriocin-producing Lactiplantibacillus plantarum strain GA7 and nano-encapsulated Tirmania pinoyi extract. Microbial cell factories, 24(1), 18.

Miyauchi K, et al. (2025) A tRNA modification with aminovaleramide facilitates AUA decoding in protein synthesis. Nature chemical biology, 21(4), 522.

Mori K, et al. (2025) Isolation and characterization of a bacterium affiliated with the hitherto uncultured candidate phylum WOR-3 from a deep-sea hydrothermal fluid. Applied and environmental microbiology, 91(7), e0018825.

Gluth A, et al. (2025) Nitrogen limitation causes a seismic shift in redox state and phosphorylation of proteins implicated in carbon flux and lipidome remodeling in Rhodotorula toruloides. Biotechnology for biofuels and bioproducts, 18(1), 80.

Rebelo BA, et al. (2025) Metabolically engineered plant cell cultures as biofactories for the production of high-value carotenoids astaxanthin and canthaxanthin. Scientific reports, 15(1), 28695.

Ajmi N, et al. (2025) Genomic and Pangenomic Insights into *Aeromonas salmonicida* subsp. *oncorhynchi* subsp. nov. *Pathogens* (Basel, Switzerland), 14(6).

Katayama YA, et al. (2025) Effects of Nitrate on Hydrogenogenic Carbon Monoxide Oxidation in *Parageobacillus thermoglucosidasius*. *Environmental microbiology reports*, 17(3), e70133.

Nouioui I, et al. (2025) A novel endophytic species, *Streptomyces colwelliae* sp. nov., isolated from root nodule of *Alnus glutinosa*. *BMC microbiology*, 25(1), 577.

Takei S, et al. (2025) Identification of *Elizabethkingia* species by MALDI-TOF MS proteotyping. *Microbiology spectrum*, 13(3), e0245424.

da Costa Silva JD, et al. (2025) *Metarhizium mendoncae* sp. nov.: An important biological control agent for insect pests. *PloS one*, 20(2), e0310548.

Lee JY, et al. (2025) Polyphasic and phylogenomic reevaluation of *Zhongshania* and *Marortus* with the description of *Zhongshania aquatica* sp. nov. *Scientific reports*, 15(1), 20417.

Kim M, et al. (2025) Optimization of the culture medium for an iron-sensitive oleaginous yeast, *Rhodotorula toruloides* NBRC 0559, through functional iron deficiency. *FEMS yeast research*, 25.

Fullem KR, et al. (2025) From cantaloupe to cattle: *Pseudomonas alabamensis* sp. nov. described from diseased cantaloupe (*Cucumis melo*) foliage and a bovine (*Bos taurus*) nasopharynx. *International journal of systematic and evolutionary microbiology*, 75(7).

Inokuma K, et al. (2025) Combination of probiotics enhancing butyrogenesis in colonic microbiota model of patients with ulcerative colitis. *Applied microbiology and biotechnology*, 109(1), 117.

Kiribayashi R, et al. (2025) Preparation of $\text{La}_2\text{Sn}_2\text{O}_7$, Mg_2SnO_4 , and $\text{MgSn}(\text{OH})_6$ and their antiviral/antibacterial activities. *Journal of materials science. Materials in medicine*, 36(1), 64.

Alkhatib SA, et al. (2025) Revealing bioremediation potential of novel indigenous bacteria from oil-contaminated sites in the UAE: A combined bioinformatics and experimental validation. *PloS one*, 20(8), e0329515.

Piedra F-A, et al. (2025) Eco-microbiology: discovering biochemical enhancers of PET biodegradation by *Piscinibacter sakaiensis*. *Applied and environmental microbiology*, 91(3), e0211824.

Ganser C, et al. (2025) A look beyond topography: Transient phenomena of *Escherichia coli* cell division captured with high-speed in-line force mapping. *Science advances*, 11(5), eads3010.

Mizuno M, et al. (2025) Changeover method for biosafety cabinets using ozone gas. *PloS one*, 20(1), e0318006.