



# BNCC CATALOG



**CELLS**



**MICROBES**



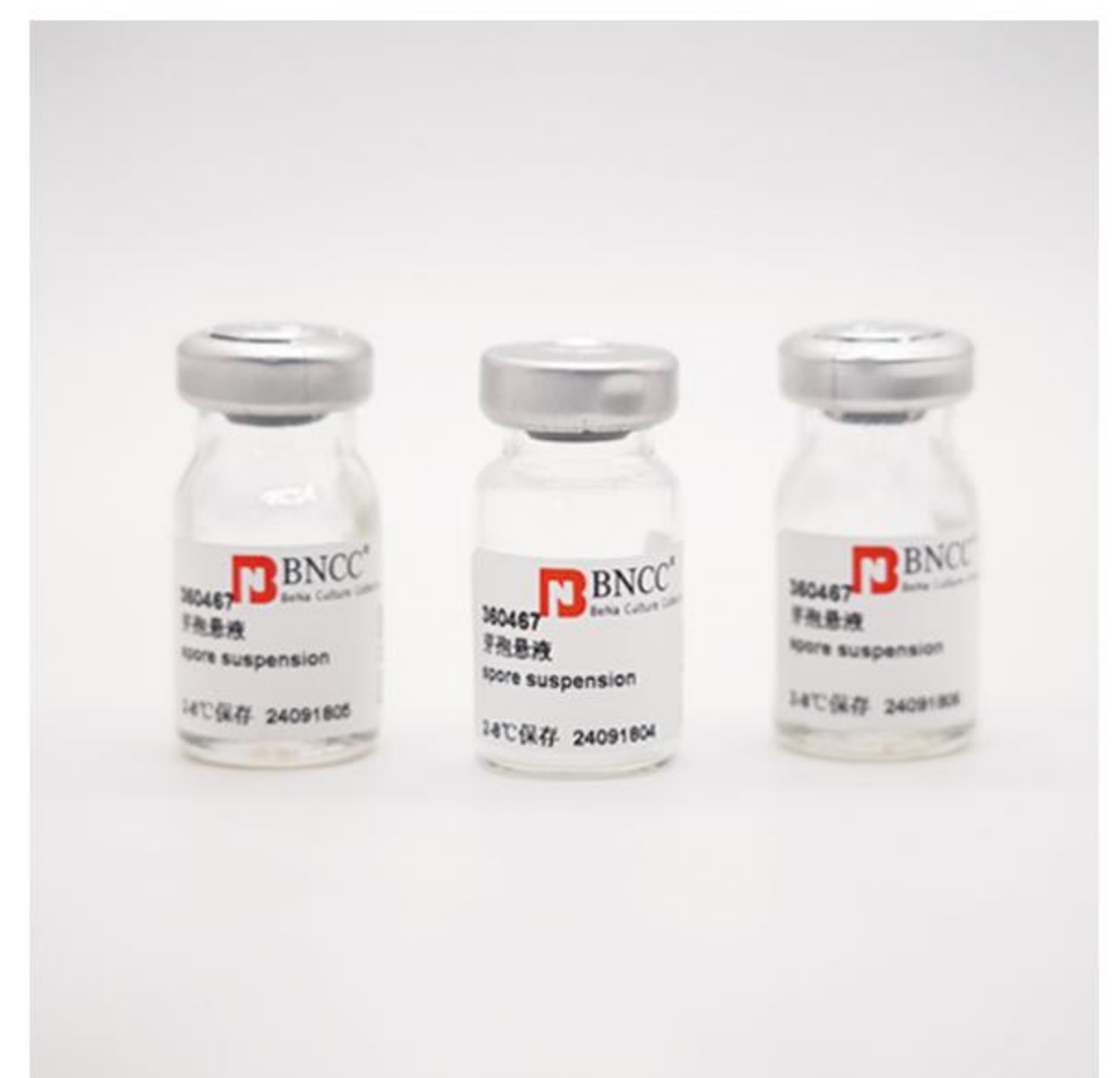
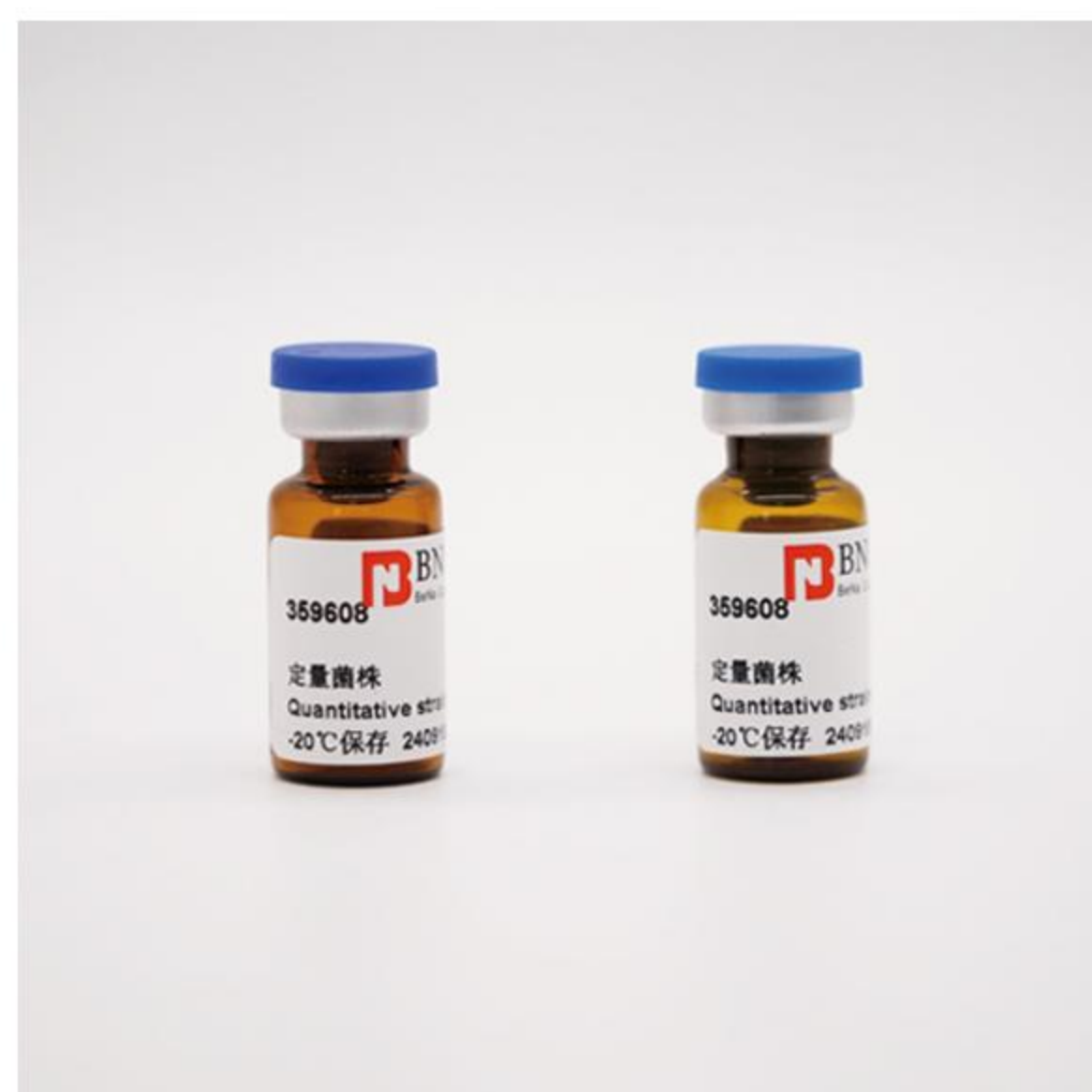
**MICROBIAL QUALITY CONTROLS**

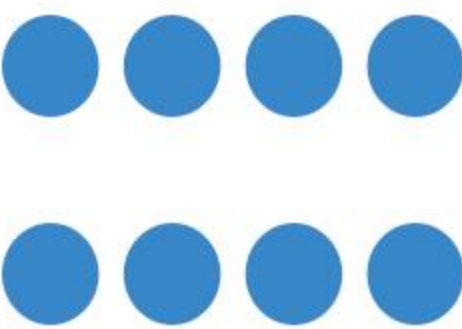


**MICROBIOLOGICAL TESTING**

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# About us

BNCC was established in 2010, focusing on the field of collection, preservation, identification and application development of microbes and cells.

As a member of World Federation for Culture Collection, BNCC has 4000m<sup>2</sup> of laboratory area, consisting of microbial strain bank and cell line bank. There are more than 150 personnel in the collection, among whom some doctors. All the collections are developed, managed and maintained by highly trained, dedicated staff who work in accordance with internationally recognized quality standards including certification to ISO 9001:2015.

BNCC is one of the biggest biological resources suppliers in China. In our biological resource centers we now maintain over 80,000 strains and 4,000 cell lines which are widely used in sewage treatment, industrial fermentation, biopharmaceuticals, medical research, drug R&D, vaccine R&D, teaching and scientific research etc.

Relying on abundant resources maintained, BNCC has developed more than 4,000 kinds of new products, such as quality control products for pathogenic microorganism, nucleic acid reference materials, pathogen detection kits, physiological and biochemical identification kits, etc. And they are widely used in medical diagnosis, food safety, environmental testing and other fields.

China National Accreditation Service for Conformity Assessment

LABORATORY ACCREDITATION CERTIFICATE

(Registration No. CNAS L20578 )

BeNa Chuanglian Biotechnology Co., Ltd. Testing Center

(Legal Entity: BeNa Chuanglian Biotechnology Co., Ltd.)

Hedian Light Industrial Park, East Section of Jinggangtai Avenue, Xinyang, Shangcheng, Henan, China

is accredited in accordance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule forms an integral part of this certificate.

Effective Date: 2024-04-07

Expiry Date: 2030-04-06

Signed on behalf of China National Accreditation Service for Conformity Assessment 张朝华

China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNA) to operate the national accreditation schemes for conformity assessment. CNAS is a signatory of the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC MRA) and the Asia Pacific Accreditation Cooperation Mutual Recognition Arrangement (APAC MRA). The validity of the certificate can be checked on CNAS website at <http://www.cnas.org.cn/english/findaccreditedbody/index.shtml>.

Quality Management System Certification Certificate

Registration number: 80223010313R0M

In witness whereof

Shangcheng Beina Chuanglian Biotech Co., Ltd

Unified social credit code: 91411524MA4437185Y

Registered address: Light Industrial Park, Chengguan Town, Shangcheng, Xinyang, Henan Province

postcode: 465350

Business address: Light Industrial Park, Chengguan Town, Shangcheng, Xinyang, Henan Province

postcode: 465350

Quality Management System

GB/T 19001-2016/ISO 9001:2015 criterion

Scope of certification:

microorganisms, cell lines, culture media, biological reference materials

Date of issue: Sep. 1, 2023

Valid until: Aug. 31, 2026

Scanning QR Code to query the information and status of authentication certificate

Also available on our website: [www.zbgjz.com](http://www.zbgjz.com)

China National Certification and accreditation administration: [www.cnca.gov.cn](http://www.cnca.gov.cn)

The certified organization must be subject to regular supervision and audit

Address: No. 47, 11th, Zhongtuan aviation building, No. 279 West third ring Road, high-tech zone, Zhengzhou, Henan

TEL: 0371-63626232

WORLD FEDERATION FOR CULTURE COLLECTIONS

BeNa Culture Collection (BNCC)

Shangcheng Beina Chuanglian Biotech Co., Ltd

Hedian Light Industrial Park,

Jinggangtai Rd, Chengguan, Shangcheng,

Xinyang Henan, 465350

P.R. China

Herewith, I confirm the membership of the BeNa Culture Collection (BNCC) in the World Federation of Culture Collections (WFCC) for years 2024 and 2025.

Please feel free to contact me if you have any question.

Sincerely,

A. Yurkov

Dr. Andrey Yurkov

The treasurer of the WFCC

Treasurer Office:

Leibniz Institute DSMZ

Inhoffenstrasse 7B

38124 Braunschweig

Germany

**President**

Isak Kurbidze, PhD

Genomology Research Centre and the School of Science, Technology and Engineering

University of the Sunshine Coast

Queensland 4558

Australia

Tel: +61 07 5450 2819

Fax: +61 07 5450 2881

E-mail: [isak.kurbidze@unsw.edu.au](mailto:isak.kurbidze@unsw.edu.au)

**Vice-President**

Manuela De Silva, PhD

Paradigm Creative Cruz (PCCruz)

Av. Brasil, 4386

21540-400 Marquinhos

Rio de Janeiro

Brazil

Tel: +55 21 3885-1714

E-mail: [manuela.dasilva@pccruz.br](mailto:manuela.dasilva@pccruz.br)

**Secretary**

Marcelo Greenwald, PhD

Microbiology Fungal Biodiversity Institute

Universidade Federal do Rio de Janeiro

25000-000

The Netherlands

Tel: +31 20 21 22 600

E-mail: [m.greenwald@ufrrj.br](mailto:m.greenwald@ufrrj.br)

**Treasurer**

Andrey Yurkov, PhD

Leibniz-Institut Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH

78 Inhoffenstrasse,

38124 Braunschweig

Germany

Tel: +49 531 2616-204

E-mail: [andrey.yurkov@dsMZ.de](mailto:andrey.yurkov@dsMZ.de)

**WFCC Director**

Dr. Juncal Ma, PhD

Institute of Microbiology Chinese Academy of Sciences

No. 1 West Beichen Road,

Chaoyang District

Beijing 10001

China

Tel: +86 10 64607422

Fax: +86 10 64607426

E-mail: [jma@im.ac.cn](mailto:jma@im.ac.cn)

**Executive Board Members:** Dr. M. De Silva (Brazil); Dr. P. Desmet (Belgium); Dr. L. Eurlachir (Thailand); Dr. M. Greenwald (The Netherlands); Dr. I. Kurbidze (Australia); Dr. M. Koyukina (Russia); Dr. J. Ma (PR China); Dr. G.S. Prasad (India); Dr. M. Rojas (USA); Dr. Y. Shouche (India); Dr. K.-I. Suzuki (Japan); Dr. B. Turchetti (Italy); Dr. A. Martins (Portugal); Dr. C. Santos (Chile); Dr. Vania Vicente (Brazil); Dr. A. Yurkov (Germany)

We provide comprehensive technical services , including cell culture, STR profiling, mycoplasma testing, and more, catering to the fundamental research needs of universities, hospitals, and scientific research institutions.

## Critical Attributes

### ● Viability Gurantee

Through standardized cryopreservation medium formulations and cold chain transportation protocols, we mitigate cell membrane rupture risks while sustaining high biological activity.

### ● Mycoplasma Testing

Fluorescence-based qPCR detection technology guarantees mycoplasma-free products, with ISO 14698-1 compliant aseptic processing maintained throughout operations to eliminate cross-contamination risks.

### ● STR Profiling

Implementation of a 21-core STR profiling system delivers genetic stability certification, ensuring unequivocal cell line authentication compliant with ATCC ASN-0002 standards.

### ● Complete after-sales support system

Providing end-to-end technical guidance encompassing cell thawing protocols, culture optimization strategies, and expert consultation services, ensuring ISO 20387-compliant operational integrity across the entire workflow.

### ● Comprehensive Product Portfolio

Our portfolio encompasses certified human-derived, animal-origin, and insect cell lines, supplemented with ISO-certified cell culture media, recombinant growth factors, and ancillary reagents, delivering full-spectrum solutions from discovery research through GMP-compliant manufacturing processes.



| BNCC No. | Description  | BNCC No. | Description    |
|----------|--------------|----------|----------------|
| 354498   | NAMALWA      | 100079   | 6T-CEM         |
| 337684   | HepG2/2.2.15 | 100406   | HFF-1          |
| 338416   | 293AAV       | 353694   | RPMI-2650      |
| 340397   | HDF-a        | 359308   | 6-10B          |
| 359345   | MHCC97-H     | 359708   | NP69           |
| 100223   | Daudi        | 356247   | HNEpC          |
| 337642   | CA46         | 100142   | A-431[A431]    |
| 338202   | Ramos        | 338584   | MG-63          |
| 340428   | HMy2.CIR     | 359441   | MEG-01         |
| 360167   | GM12878      | 358003   | hTERTNF1ip-    |
| 360168   | BALL-1       | 354115   | NF95.11bC      |
| 100009   | CGM1         | 339581   | CX-1           |
| 255176   | hFOB1.19     | 100501   | NCI-H460[H460] |
| 359882   | HuT78        | 337995   | JOSK-I         |
| 339983   | H9           | 351917   | HuCCT1         |

| BNCC No. | Description   | BNCC No. | Description |
|----------|---------------|----------|-------------|
| 354753   | RAW264.7      | 338433   | LLC         |
| 337749   | BV2           | 243560   | TCMK-1      |
| 338300   | MODE-K        | 338397   | 4T1         |
| 337672   | bEnd.3[BEND3] | 341334   | TC-1        |
| 100843   | NIH/3T3       | 342605   | CT-26       |
| 358041   | HT22          | 339311   | BaF3        |
| 338213   | MOVAS         | 337628   | B16         |
| 341792   | GL261         | 359130   | NIT-1       |
| 317467   | C166          | 338034   | Panc02      |
| 350760   | H22           | 342034   | E0771       |
| 288890   | HL-1          | 333989   | MC3T3-E1    |
| 338281   | AML12         | 350793   | Subclone 4  |
| 358148   | Min6          | 340733   | ATDC5       |
| 338573   | C2C12         | 342403   | Kupffer(Im- |
| 359785   | CTLL-2        | 358433   | KC)         |

| BNCC No. | Description | BNCC No. | Description |
|----------|-------------|----------|-------------|
| 337726   | H9c2(2-1)   | 00222    | RBL-2H3     |
| 337708   | RLE-6TN     | 100948   | Walk-       |
| 100548   | IEC-6       | 100062   | er/LLC-WRC2 |
| 354594   | rMC-1       | 100239   | 56          |
| 337745   | RA          | 339746   | RSC96       |
| 337896   | RAOEC       | 359259   | NR8383      |
| 360237   | RM          | 359677   | NRK-49F     |
| 337976   | HSC-T6      | 339579   | CIA-FLS     |
| 360471   | DRG         | 342580   | PMVEC       |
| 337862   | INS-1       | 359275   | MMQ         |
| 359367   | RPASMC      | 338493   | McA-RH7777  |
| 359390   | OLN-93      | 100216   | CTXTNA2     |
| 337717   | RBMEC       | 338135   | BRL         |
| 340835   | NRK-52E     | 358290   | C6          |
| 354039   | RCF         | 359469   | L6          |

# Microbes

Provide bank service of microbial strains and identification technical services, covering basic research such as microbial taxonomy and genetic engineering in universities and research institutions.

## Critical Attributes

### High quality and stability



The strains are subject to strict quality control to ensure high purity, high activity, and genetic stability, meeting the high - standard requirements of scientific research, industry, and testing.

### A wide range of application scopes



It covers a variety of microorganisms such as bacteria, fungi, and yeasts, and is suitable for multiple fields including microbiology experiments, quality control, method validation, teaching and research, etc.

### Complete certification and traceability



Detailed identification reports and traceability information are provided for each strain to ensure the reliability and reproducibility of experimental data.

### Rapid delivery and efficient service



We offer fast shipping services to ensure that customers receive products in a timely manner. Additionally, we have a professional technical support team to answer experimental questions.

### Diversified product selection



Provide a rich strain library, including standard strains, drug-resistant strains, model strains, etc., to meet the personalized needs of different customers.



 **Microbes**

| BNCC No. | Description                                             | Format       |
|----------|---------------------------------------------------------|--------------|
| 108207   | Salmonella typhimurium                                  | freeze dried |
| 336902   | Escherichia coli                                        | freeze dried |
| 238481   | Staphylococcus aureus subsp. aureus Rosenbach           | freeze dried |
| 103169   | Salmonella paratyphi β                                  | freeze dried |
| 336649   | Propionibacterium acnes                                 | freeze dried |
| 336931   | Streptococcus mutans                                    | freeze dried |
| 333565   | Salmonella enterica subsp. enterica serovar Typhimurium | freeze dried |
| 341917   | Akkermansia muciniphila                                 | freeze dried |
| 185933   | Clostridium perfringens                                 | freeze dried |
| 336054   | Saccharomyces cerevisiae Hansen                         | freeze dried |
| 134415   | Lactobacillus casei                                     | freeze dried |
| 336156   | Aspergillus flavus Link                                 | freeze dried |
| 102663   | Streptococcus hemolytis-α                               | freeze dried |
| 336670   | Streptococcus pyogenes                                  | freeze dried |
| 337394   | Sporosarcina pasteurii                                  | freeze dried |

 **Microbes**

| BNCC No. | Description                               | Format       |
|----------|-------------------------------------------|--------------|
| 186335   | Staphylococcus aureus                     | freeze dried |
| 109047   | Bacillus subtilis                         | freeze dried |
| 186382   | Candida albicans                          | freeze dried |
| 186380   | Aspergillus niger                         | freeze dried |
| 125486   | Pseudomonas aeruginosa                    | freeze dried |
| 337005   | Pseudomonas aeruginosa                    | freeze dried |
| 338425   | Streptococcus pneumoniae                  | freeze dried |
| 337940   | Pseudomonas aeruginosa (Schroeter) Migula | freeze dried |
| 102997   | Klebsiella pneumoniae                     | freeze dried |
| 337113   | Enterobacter aerogenes                    | freeze dried |
| 104015   | Clostridium sporogenes                    | freeze dried |
| 102668   | Enterococcus faecalis                     | freeze dried |
| 337441   | Porphyromonas gingivalis                  | freeze dried |
| 102555   | Staphylococcus epidermidis                | freeze dried |
| 336421   | Lactobacillus plantarum                   | freeze dried |

## Quantitative strains

| BNCC No. | Description                                                               | Concentration |
|----------|---------------------------------------------------------------------------|---------------|
| 359608   | Quantitative strains of staphylococcus aureus                             | 10~100CFU     |
| 359899   | Quantitative strains of candida albicans                                  | 10~100CFU     |
| 353785   | Quantitative strains of aspergillus niger                                 | 10~100CFU     |
| 356000   | Quantitative strains of escherichia coli (Migula) Castellani and Chalmers | 10~100CFU     |
| 354947   | Quantitative strains of streptococcus salivarius                          | 10~100CFU     |
| 361908   | Quantitative strains of micrococcus luteus                                | 10~100CFU     |
| 353544   | Quantitative strains of bacillus subtilis subsp.                          | 10~100CFU     |
| 337948   | Quantitative strains of listeria innocua                                  | 10~100CFU     |
| 353739   | Quantitative strains of pseudomonas aeruginosa                            | 10~100CFU     |
| 354744   | Quantitative strains of bacillus stearothermophilus                       | 10~100CFU     |
| 359609   | Quantitative strains of pseudomonas aeruginosa                            | 10~100CFU     |
| 359610   | Quantitative strains of clostridium sporogenes                            | 10~100CFU     |
| 361916   | Quantitative strains of staphylococcus epidermidis                        | 10~100CFU     |
| 337944   | Quantitative strains of salmonella enterica subsp.                        | 10~100CFU     |
| 340014   | Quantitative strains of streptococcus agalactiae                          | 10~100CFU     |

※ For more product, visiting [www.bncc.com](http://www.bncc.com) Customization is available

# Nucleic Acid Reference Products

Inactivated pathogen particles are used to count the pathogens themselves. It is mainly applied in the fields such as the development and verification of nucleic acid detection methods, as well as the research, development and evaluation of diagnostic reagents.

## Critical Attributes

### Safety

The nucleic acid reference products are inactivated particles of pathogenic microorganisms. After inactivation, all of them have undergone activity detection and can be used directly, featuring high safety.

### Traceability

It can be traced back to authoritative institutions such as ATCC, and is rechecked by a variety of quality control methods to ensure a reliable source.

### Integrity

Different types of products are treated under different inactivation conditions to ensure the integrity of the particles of pathogenic microorganisms to the greatest extent.

### Quantification

The concentration of bacterial cells is determined by the plate counting method, which ensures an accurate concentration and good uniformity.

### Stability

It has been monitored for short-term and long-term stability and shows good stability.

# Nucleic Acid Reference Material

| BNCC No. | Description                                                                                       |
|----------|---------------------------------------------------------------------------------------------------|
| 362646   | Human herpesvirus 1 nucleic acid reference (Heat inactivated) (Strongly positive)                 |
| 363380   | Human respiratory syncytial virus reference (Heat inactivated) (Strongly positive)                |
| 363567   | Human adenovirus 3 reference (Heat inactivated) (Strongly positive)                               |
| 363566   | Human herpesvirus 5 nucleic acid reference (Heat inactivated) (Strongly positive)                 |
| 363397   | Human parainfluenza virus 3 nucleic acid reference (Heat inactivated) (Strongly positive)         |
| 363396   | Rotavirus A nucleic acid reference (Heat inactivated) (Strongly positive)                         |
| 363630   | Measles virus nucleic acid reference (Heat inactivated) (Strongly positive)                       |
| 372983   | Influenza A virus (H1N1) reference (Heat inactivated) (Strongly positive)                         |
| 367865   | Human rhinovirus 2 nucleic acid reference (Heat inactivated) (Strongly positive)                  |
| 363154   | Hepatitis A virus nucleic acid reference (Heat inactivated)(Strongly positive)                    |
| 373174   | Influenza B virus (Victoria Lineage)nucleic acid reference (Heat inactivated) (Strongly positive) |
| 368316   | Human enterovirus 71 nucleic acid reference (Heat inactivated) (Strongly positive)                |
| 369737   | Human mastadenovirus F nucleic acid reference (Heat inactivated) (Strongly positive)              |
| 364818   | Murine adenovirus 1 nucleic acid reference (Heat inactivated) (Strongly positive)                 |
| 369801   | Bovine herpesvirus 1 nucleic acid reference (Heat inactivated) (Strongly positive)                |

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## ❏ Nucleic Acid Reference Material

| BNCC No. | Description                                                                              |
|----------|------------------------------------------------------------------------------------------|
| 363229   | Mycobacterium tuberculosis reference (Chemically inactivated) (Strongly positive)        |
| 364679   | Mycoplasma pneumoniae nucleic acid reference (Heat inactivated) (Strongly positive)      |
| 379796   | Staphylococcus aureus nucleic acid reference (Heat inactivated) (Strongly positive)      |
| 379798   | Candida albicans nucleic acid reference (Heat inactivated) (Strongly positive)           |
| 362692   | Legionella pneumophila nucleic acid reference (Heat inactivated) (Strongly positive)     |
| 362749   | Neisseria gonorrhoeae nucleic acid reference (Heat inactivated) (Strongly positive)      |
| 366483   | Helicobacter pylori reference (Chemically inactivated) (Strongly positive)               |
| 362727   | Gardnerella vaginalis nucleic acid reference (Heat inactivated) (Strongly positive)      |
| 379803   | Staphylococcus epidermidis nucleic acid reference (Heat inactivated) (Strongly positive) |
| 379805   | Campylobacter jejuni reference (Chemically inactivated) (Strongly positive)              |
| 362149   | Streptococcus pneumoniae nucleic acid reference (Heat inactivated) (Strongly positive)   |
| 368468   | Mycobacterium chelonae nucleic acid reference (Heat inactivated) (Strongly positive)     |
| 364717   | Mycobacterium abscessus nucleic acid reference (Heat inactivated) (Strongly positive)    |
| 364718   | Mycobacterium avium nucleic acid reference (Heat inactivated) (Strongly positive)        |
| 364719   | Mycobacterium kansasii nucleic acid reference (Heat inactivated) (Strongly positive)     |

## Internal Quality Controls

Inactivated pathogen particles are assigned a fixed value for the copy number. They are mainly used in fields such as the quantitative verification of in vitro diagnostic reagents, and the verification of the sensitivity and specificity of nucleic acid tests.

### Critical Attributes

#### Complete pathogen

Using real viruses, bacteria and other microorganisms as raw materials, it can simulate clinical samples to the greatest extent during the detection process, and realize the whole-process monitoring of molecular diagnosis.

#### Traceability

It can be traced back to authoritative institutions such as ATCC to ensure a reliable source. At the same time, it is rechecked through sequencing.

#### Multi-item combined customization

The quality control raw materials can be used to customize multiple composite quality control products, which effectively reduces the types and quantities of essential quality control products in the laboratory. It can help you minimize experimental time, labor costs, and storage space to the greatest extent.

#### Precise calibration

The product is absolutely quantified by digital PCR technology. With accurate concentration, it can be used for performance verification or quality control of diagnostic reagents.

#### Stability

It has been monitored for short-term and long-term stability and shows good stability.



# Internal Quality Controls

| BNCC No. | Description                                                                   | Packing             |
|----------|-------------------------------------------------------------------------------|---------------------|
| 368195   | Dengue virus type 1 RNA lab quality control                                   | 10 frozen vials/box |
| 373532   | Influenza A virus(H3N2) RNA lab quality control                               | 10 frozen vials/box |
| 370178   | Human coronavirus 229E RNA lab quality control                                | 10 frozen vials/box |
| 360515   | Novel Coronavirus (SARS-CoV-2)N Gene Pseudovirus Nucleic Acid Control Product | 10 frozen vials/box |
| 372389   | Human coronavirus OC43 (Betacoronavirus 1 ) RNA lab quality control           | 10 frozen vials/box |
| 371923   | Human mastadenovirus F DNA lab quality control                                | 10 frozen vials/box |
| 369815   | Human Coxsackievirus A6 virus RNA lab quality control                         | 10 frozen vials/box |
| 372022   | Feline calicivirus virus RNA lab quality control                              | 10 frozen vials/box |
| 374346   | Human herpesvirus 6B DNA lab quality control                                  | 10 frozen vials/box |
| 376319   | Chlamydia trachomatis Serovar E DNA lab quality control                       | 10 frozen vials/box |
| 376304   | Chlamydophila pneumoniae DNA lab quality control                              | 10 frozen vials/box |
| 376281   | Chlamydia trachomatis Serovar D DNA lab quality control                       | 10 frozen vials/box |
| 363663   | Streptococcus salivarius DNA lab quality control product                      | 10 frozen vials/box |
| 363480   | Bordetella pertussis DNA lab quality control                                  | 10 frozen vials/box |
| 363248   | Legionella pneumophila DNA lab quality control                                | 10 frozen vials/box |

## Internal Quality Controls

| BNCC No. | Description                                               | packing             |
|----------|-----------------------------------------------------------|---------------------|
| 363156   | Klebsiella pneumoniae DNA lab quality control             | 10 frozen vials/box |
| 378667   | Neisseria gonorrhoeae DNA lab quality control             | 10 frozen vials/box |
| 373696   | Vibrio cholerae DNA lab quality control                   | 10 frozen vials/box |
| 363273   | Staphylococcus aureus subsp DNA lab quality control       | 10 frozen vials/box |
| 369699   | Enterococcus faecium DNA lab quality control              | 10 frozen vials/box |
| 374149   | Candida albicans (Robin) Berkhout DNA lab quality control | 10 frozen vials/box |
| 366458   | Pseudomonas aeruginosa DNA lab quality control            | 10 frozen vials/box |
| 366472   | Escherichia coli EPEC DNA lab quality control             | 10 frozen vials/box |
| 366475   | Escherichia coli ETEC DNA lab quality control             | 10 frozen vials/box |
| 366660   | Stenotrophomonas maltophilia DNA lab quality control      | 10 frozen vials/box |
| 369988   | Mycoplasma pneumoniae DNA lab quality control             | 10 frozen vials/box |
| 368284   | Aspergillus flavus DNA lab quality control                | 10 frozen vials/box |
| 377950   | Mycoplasma hominis DNA lab quality control                | 10 frozen vials/box |
| 363954   | Human adenovirus 11 DNA lab quality control               | 10 frozen vials/box |
| 363248   | Legionella pneumophila DNA lab quality control            | 10 frozen vials/box |

✕ For more product, visiting [www.bncc.com](http://www.bncc.com) Customization is available

# Nucleic Acid Standards

The DNA or RNA of pathogens is precisely assigned a value for the copy number. It is mainly used in fields such as the quantitative reference for genomic copy numbers, the verification of the sensitivity and specificity of nucleic acid tests, and the quantitative verification of in vitro diagnostic reagents.

## Critical Attributes

### Safety

The nucleic acid reference material is high-purity DNA or RNA.

### Traceability

It can be traced back to authoritative institutions such as ATCC, and is rechecked by a variety of quality control measures to ensure a reliable source.

### Integrity

The integrity of the DNA or RNA strands is excellent, ensuring the full length as much as possible.

### Quantification

It is absolutely assigned a value by using fluorescence PCR and digital PCR, and the quantity value is accurate.

### Stability

After short - term and long - term stability monitoring, it shows good stability.



# Nucleic Acid Standards

| BNCC No. | Description                                                   | Packing            |
|----------|---------------------------------------------------------------|--------------------|
| 378347   | Human Rhinovirus 75 RNA standard                              | 5 frozen vials/box |
| 378343   | Streptococcus equi subsp.zooepidemicus DNA standard           | 5 frozen vials/box |
| 363102   | Human herpesvirus 1 DNA standard                              | 5 frozen vials/box |
| 368545   | Rodent protoparvovirus 1DNA standard                          | 5 frozen vials/box |
| 365305   | BK polyomavirus DNA standard                                  | 5 frozen vials/box |
| 378302   | Human herpesvirus 2 DNA standard                              | 5 frozen vials/box |
| 370564   | Zika virus RNA standard                                       | 5 frozen vials/box |
| 364850   | Vaccinia virus DNA standard                                   | 5 frozen vials/box |
| 378293   | Hybrid Moloney/Amphotropic murine leukemia virus RNA standard | 5 frozen vials/box |
| 363321   | Ectromelia virus DNA standard                                 | 5 frozen vials/box |
| 363859   | Bovine parvovirus DNA standard                                | 5 frozen vials/box |
| 363207   | Goat Pox virus DNA standard                                   | 5 frozen vials/box |
| 364829   | Pichia sp DNA standard                                        | 5 frozen vials/box |
| 370580   | Brucella ovis DNA standard                                    | 5 frozen vials/box |
| 371882   | Staphylococcus aureus subsp DNA standard                      | 5 frozen vials/box |

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# Nucleic Acid Standards

| BNCC No. | Description                                           | packing            |
|----------|-------------------------------------------------------|--------------------|
| 363328   | Cryptococcus neoformans DNA standard                  | 5 frozen vials/box |
| 363636   | Neisseria meningitidis DNA standard                   | 5 frozen vials/box |
| 377761   | Trichomonas vaginalis DNA standard                    | 5 frozen vials/box |
| 374222   | Lactobacillus iners DNA standard                      | 5 frozen vials/box |
| 365312   | Salmonella typhimurium DNA standard                   | 5 frozen vials/box |
| 363469   | Stenotrophomonas maltophilia DNA standard             | 5 frozen vials/box |
| 374247   | Lactobacillus crispatus DNA standard                  | 5 frozen vials/box |
| 365244   | Corynebacterium diphtheriae DNA standard              | 5 frozen vials/box |
| 374634   | Salmonella paratyphi-A DNA standard                   | 5 frozen vials/box |
| 363531   | Streptococcus hemolytis-β DNA standard                | 5 frozen vials/box |
| 364524   | Mycobacterium kansasii DNA standard                   | 5 frozen vials/box |
| 362329   | Streptococcus group A nucleic acid detection standard | 5 frozen vials/box |
| 363587   | Aspergillus fumigatus DNA standard                    | 5 frozen vials/box |
| 377579   | Escherichia coli STEC DNA standard                    | 5 frozen vials/box |
| 363619   | Moraxella catarrhalis DNA standard                    | 5 frozen vials/box |

# Microbial Testing Products

Widely used in microbiological testing, quality control, and production process control in the food, pharmaceutical, cosmetics, and water industries, as well as in inspection and testing institutions.

## Product advantages

### A complete range of categories

More than 200 types of quality control strains have been successfully developed, covering quality control strains for various routine tests in food, water quality, pharmaceuticals and other fields.

### Traceability

It is developed in accordance with domestic and international regulatory standards to ensure a reliable source.

### Convenient to use

A complete set of certificates are provided along with the product, including detailed instructions for use. This ensures the convenience and compliance for laboratory personnel during use, allowing them to get started easily without any worries.

### Precise calibration

The products are absolutely quantified by digital PCR technology. With accurate concentration, they can be used for performance verification or quality control of diagnostic reagents.

### Stability

After short-term and long-term stability monitoring, it has been proven to have good stability.



# Quantitative Quality Control Strains

## ( I ) Microbiological Testing for Food

| BNCC No. | Description                                   | Concentration                        |
|----------|-----------------------------------------------|--------------------------------------|
| 359608   | Quantitative strains of staphylococcus aureus | 10~100CFU/vial                       |
| 356332   | Quantitative strains of staphylococcus aureus | $(3.5 \pm 0.3) \times 10^4$ CFU/vial |
| 354037   | Quantitative strains of staphylococcus aureus | 100~500CFU/vial                      |
| 353786   | Quantitative strains of staphylococcus aureus | 100~1000CFU/vial                     |
| 353781   | Quantitative strains of staphylococcus aureus | 100~600CFU/vial                      |
| 353548   | Quantitative strains of staphylococcus aureus | 500~1000CFU/vial                     |
| 336882   | Quantitative strains of staphylococcus aureus | $(1.5 \pm 0.1) \times 10^3$ CFU/vial |
| 368185   | Quantitative strains of candida albicans      | $10^8$ CFU/vial                      |
| 367734   | Quantitative strains of candida albicans      | 10~100CFU/vial                       |
| 364983   | Quantitative strains of candida albicans      | $10^8$ CFU/vial                      |
| 362684   | Quantitative strains of candida albicans      | $(1.8 \pm 0.5) \times 10^6$ CFU/vial |
| 362680   | Quantitative strains of candida albicans      | $(6.1 \pm 0.8) \times 10^5$ CFU/vial |
| 362662   | Quantitative strains of candida albicans      | $(2.1 \pm 0.5) \times 10^7$ CFU/vial |
| 361906   | Quantitative strains of candida albicans      | $(1.2 \pm 0.5) \times 10^3$ CFU/vial |
| 359899   | Quantitative strains of candida albicans      | 10~100CFU/vial                       |
| 358453   | Quantitative strains of candida albicans      | $(5.0 \pm 2.0) \times 10^5$ CFU/vial |
| 358452   | Quantitative strains of candida albicans      | $(1.2 \pm 0.2) \times 10^6$ CFU/vial |
| 358451   | Quantitative strains of candida albicans      | $(8.0 \pm 2.0) \times 10^6$ CFU/vial |
| 358448   | Quantitative strains of candida albicans      | $(3.0 \pm 2.0) \times 10^7$ CFU/vial |
| 357745   | Quantitative strains of candida albicans      | $(7.5 \pm 0.7) \times 10^7$ CFU/vial |
| 353801   | Quantitative strains of candida albicans      | $(4.7 \pm 1.3) \times 10^3$ CFU/vial |
| 352028   | Quantitative strains of candida albicans      | $(3.0 \pm 0.5) \times 10^7$ CFU/vial |
| 362665   | Quantitative strains of candida albicans      | $(1.8 \pm 0.5) \times 10^7$ CFU/vial |
| 367904   | Quantitative strains of candida albicans      | $10^7$ CFU/vial                      |
| 364021   | Quantitative strains of cronobacter sakazakii | $(6.0 \pm 0.5) \times 10^4$ CFU/vial |

## (II) Microbiological Testing for Dring Water

| BNCC No. | Description                                    | Concentration                        |
|----------|------------------------------------------------|--------------------------------------|
| 370081   | Quantitative strains of pseudomonas aeruginosa | $(2.0 \pm 0.5) \times 10^8$ CFU/vial |
| 367732   | Quantitative strains of pseudomonas aeruginosa | 10~100CFU/vial                       |
| 365156   | Quantitative strains of pseudomonas aeruginosa | 10~100CFU/vial                       |
| 364982   | Quantitative strains of pseudomonas aeruginosa | $10^8$ CFU/vial                      |
| 364023   | Quantitative strains of pseudomonas aeruginosa | $(1.2 \pm 0.5) \times 10^5$ CFU/vial |

# Quantitative Quality Control Strains

## (II) Microbiological Testing for Dring Water

| BNCC No. | Description                                                                            | Concentration                               |
|----------|----------------------------------------------------------------------------------------|---------------------------------------------|
| 354700   | Quantitative strains of pseudomonas aeruginosa                                         | $(5.3 \pm 0.5) \times 10^5 \text{CFU/vial}$ |
| 353783   | Quantitative strains of pseudomonas aeruginosa                                         | $(1.4 \pm 0.4) \times 10^3 \text{CFU/vial}$ |
| 353779   | Quantitative strains of pseudomonas aeruginosa                                         | $(1.4 \pm 0.3) \times 10^3 \text{CFU/vial}$ |
| 353739   | Quantitative strains of pseudomonas aeruginosa                                         | 600~1000CFU/vial                            |
| 353546   | Quantitative strains of pseudomonas aeruginosa                                         | $(5.0 \pm 1.0) \times 10^8 \text{CFU/vial}$ |
| 362543   | Standard quality control sample of enterococcus faecalis in drinking water             | 1~100CFU/250mL                              |
| 362542   | Standard quality control sample of pseudomonas aeruginosa in drinking water            | 1~100CFU/250mL                              |
| 360392   | Quality control samples by enzyme substrate method for drinking water                  | <200MPN/100mL                               |
| 360415   | Standard quality control samples of Escherichia coli in drinking water                 | 100~2000MPN/100mL                           |
| 360414   | Standard quality control samples of heat-resistant coliform bacteria in drinking water | 100~2000MPN/L                               |
| 360412   | Standard quality control sample of total coliform bacteria in drinking water           | 100~2000MPN/100mL                           |
| 360416   | Standard quality control sample of total coliforms in drinking water                   | 10~100CFU/100mL                             |
| 362541   | Standard quality control sample of clostridium perfringens in drinking water           | 100~2000CFU/100mL                           |
| 362540   | Standard quality control samples of enterococcus faecalis in drinking water            | 100~2000CFU/100mL                           |
| 360334   | Quality control sample of total bacterial count in drinking water                      | 3000~9000CFU/mL                             |

## (III) Microbiological Testing for Water Quality

| BNCC No. | Description                                                                                            | Concentration             |
|----------|--------------------------------------------------------------------------------------------------------|---------------------------|
| 360398   | Water quality fecal coliform standard quality control sample (Membrane membrane method)                | 10~100CFU/100mL           |
| 360397   | Enterobacter aerogenes quality control sample (Membrane membrane method)                               | 10~100CFU/100mL           |
| 359578   | Fecal coliform standard quality control sample (Membrane membrane method)                              | 40~600CFU/L               |
| 359576   | Fecal coliform positive control quality control sample (Membrane membrane method)                      | 40~600CFU/L               |
| 359577   | Fecal coliform negative control sample (Membrane membrane method)                                      | 40~600CFU/L               |
| 360396   | Water quality fecal coliform positive quality control sample (Membrane membrane method)                | 10~100CFU/100mL           |
| 359288   | Fecal coliform negative control quality control sample(Multi tube fermentation method)                 | 300~3000MPN/L             |
| 359289   | Fecal coliform standard quality control sample (Multitube fermentation method)                         | 300~3000MPN/L             |
| 360422   | Water quality fecal coliform standard quality control material sample (multi-tube fermentation method) | 300~8000MPN/L             |
| 359094   | Fecal coliform positive control quality control sample (Multi-tube fermentation method)                | 300~3000MPN/L             |
| 363179   | Serwater fecal coliform positive control quality control sample (Multi-tube fermentation method)       | 800~8000MPN/L             |
| 363181   | Seawater quality fecal coliform positive quality control sample (Membrane membrane method)             | $\leq 10000 \text{CFU/L}$ |
| 363180   | Seawater total coliform positive control quality control sample (Multi-tube fermentation method)       | 800~8000MPN/L             |
| 363182   | Seawater quality total coliform positive quality control sample (Membrane membrane method)             | $\leq 10000 \text{CFU/L}$ |

# Rapid Microbial Detction Kit

## ( I ) Rapid Fluorescent PCR Detection Kit

| BNCC No. | Description                                                                 | Application                                                                                                                                                                                                                                                                     |
|----------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 368171   | Streptococcus group A nucleic acid detection kit                            | for the nucleic acid detection of group A streptococcus.                                                                                                                                                                                                                        |
| 361452   | Candida albicans nucleic acid detection kit                                 | for the real-time fluorescence quantitative PCR detection of Candida albicans in clinical practice.                                                                                                                                                                             |
| 361454   | Klebsiella aerogenes nucleic acid detection kit                             | for the presumptive identification of Enterobacter aerogenes in fecal-contaminated water matrices, suspected tainted food specimens, and other environmental samples, compliant with ISO 21528-2:2017 for Enterobacteriaceae detection (detection threshold: 1 CFU/10g sample). |
| 361921   | Escherichia coli ETEC nucleic acid detection kit                            | It is applicable to the auxiliary diagnosis of enterotoxigenic Escherichia coli (ETEC) infection in samples such as watery feces, suspected contaminated water, food, etc.                                                                                                      |
| 360689   | Intestinal agglomerative Escherichia coli (EAEC) nucleic acid detection kit | It is applicable to the auxiliary diagnosis of enteroaggregative Escherichia coli (EAEC) infection in samples such as watery feces, suspected contaminated water, food, etc.                                                                                                    |
| 361922   | Escherichia coli EPEC nucleic acid detection kit                            | It is applicable to the auxiliary diagnosis of enteropathogenic Escherichia coli (EPEC) infection in samples such as watery feces, suspected contaminated water, food, etc.                                                                                                     |
| 360688   | Enteroinvasive Escherichia coli (EIEC) nucleic acid detection kit           | It is applicable to the auxiliary diagnosis of enteroinvasive Escherichia coli (EIEC) infection in samples such as watery feces, suspected contaminated water, food, etc.                                                                                                       |
| 360687   | Hemorrhagic Escherichia coli O157: H7 nucleic acid detection kit            | It is applicable to the auxiliary diagnosis of enterohemorrhagic Escherichia coli (EHEC) O157:H7 infection in samples such as watery feces, suspected contaminated water, food, etc.                                                                                            |
| 361446   | Vibrio vulnificus nucleic acid detection kit                                | It is applicable to the auxiliary diagnosis of Vibrio vulnificus infection in samples such as water samples, suspected contaminated water, food, etc.                                                                                                                           |
| 361444   | Listeria monocytogenes nucleic acid detection kit                           | It is applicable to the auxiliary diagnosis of Listeria monocytogenes infection in samples such as water samples, suspected contaminated water, food, etc.                                                                                                                      |
| 361557   | African swine fever virus nucleic acid detection kit                        | It is applied to the research and detection of specific in vitro amplification of the DNA of African swine fever virus using fluorescent PCR technology, and it cannot be used for the diagnosis of diseases in clinical practice.                                              |
| 370217   | Mycoplasma pneumoniae nucleic acid detection kit                            | It is applicable to the nucleic acid detection of Mycoplasma pneumoniae.                                                                                                                                                                                                        |
| 361346   | Vibrio parahaemolyticus (VP) and Vibrio cholerae nucleic acid detection kit | It is suitable for the auxiliary diagnosis of Vibrio parahaemolyticus (VP) and Vibrio cholerae infections in samples such as watery feces, suspected contaminated water, food, etc.                                                                                             |
| 361343   | Vibrio parahaemolyticus (VP) nucleic acid detection kit                     | It is suitable for the auxiliary diagnosis of Vibrio parahaemolyticus infection in samples such as watery feces, suspected contaminated water, food, etc.                                                                                                                       |
| 362583   | Monkeypox Virus nucleic acid detection kit                                  | It is applied to the research and detection of specific in vitro amplification of the DNA of monkeypox virus using fluorescent PCR technology, and it cannot be used for the diagnosis of diseases in clinical practice.                                                        |
| 361344   | Vibrio cholerae nucleic acid detection kit                                  | It is applicable to the auxiliary diagnosis of Vibrio cholerae infection in samples such as watery feces, suspected contaminated water, food, etc.                                                                                                                              |
| 361134   | Chicken-derived nucleic acid detection kit                                  | It is applicable to the identification and detection of chicken-derived components in food, cosmetics and feed.                                                                                                                                                                 |

# Rapid Microbial Detction Kit

## ( I ) Rapid Fluorescent PCR Detection Kit

| BNCC No. | Description                                                            | Application                                                                                                                                                                                                                 |
|----------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 361200   | Staphylococcus aureus nucleic acid detection kit                       | for the rapid detection of Staphylococcus aureus in food and cosmetics.                                                                                                                                                     |
| 360690   | Campylobacter jejuni (CJ) nucleic acid detection kit                   | for the auxiliary diagnosis of Campylobacter jejuni (CJ) infection in samples such as water samples of feces, suspected contaminated water, food, etc.                                                                      |
| 370236   | Campylobacter jejuni and Campylobacter coli nucleic acid detection kit | for the auxiliary diagnosis of Campylobacter jejuni and Campylobacter coli infections in samples such as fecal water samples, suspected contaminated water, food, etc.                                                      |
| 370220   | Betacoronavirus 1 (Human coronavirus OC43) nucleic acid detection kit  | for the nucleic acid detection of vaccinia virus.                                                                                                                                                                           |
| 364171   | Bovine origin nucleic acid detection kit                               | for the identification and detection of bovine-derived components.                                                                                                                                                          |
| 363071   | Human herpesvirus 3 nucleic acid detection kit                         | It is applied to the specific in vitro amplification research and detection of the DNA of human herpesvirus 3 by fluorescent PCR technology, and it cannot be used for the diagnosis of diseases in clinical practice.      |
| 370234   | Human adenovirus 14 nucleic acid detection kit                         | for the nucleic acid detection of human adenovirus type 14.                                                                                                                                                                 |
| 361556   | Human adenovirus 41 nucleic acid detection kit                         | It is applied to the specific in vitro amplification research and detection of the DNA of human adenovirus type 41 by fluorescent PCR technology, and it cannot be used for the diagnosis of diseases in clinical practice. |
| 361345   | Salmonella (SPP) nucleic acid detection kit                            | for the auxiliary diagnosis of Salmonella infection in samples such as fecal water samples, suspected contaminated water, food, etc.                                                                                        |
| 363212   | Goat Pox virus nucleic acid detection kit                              | It is applied to the specific in vitro amplification research and detection of the DNA of Capripoxvirus by fluorescent PCR technology, and it cannot be used for the diagnosis of diseases in clinical practice.            |
| 370435   | Enterococcus faecium nucleic acid detection kit                        | for the nucleic acid detection of Enterococcus faecium.                                                                                                                                                                     |
| 362373   | Legionella pneumophila nucleic acid detection kit                      | for the amplification research and detection of Legionella pneumophila, and it cannot be used for the diagnosis of diseases in clinical practice.                                                                           |
| 363563   | Ectromelia virus nucleic acid detection kit                            | for the in vitro amplification research and detection of ectromelia virus, and it cannot be used for the diagnosis of diseases in clinical practice.                                                                        |
| 370471   | Salmonella typhimurium nucleic acid detection kit                      | for the nucleic acid detection of Salmonella typhimurium.                                                                                                                                                                   |
| 370218   | Vesicular stomatitis virus nucleic acid detection kit                  | for the nucleic acid detection of Vesicular stomatitis virus.                                                                                                                                                               |
| 361453   | Pseudomonas aeruginosa nucleic acid detection kit                      | for the rapid detection of Pseudomonas aeruginosa in food and cosmetics.                                                                                                                                                    |
| 361445   | Yersinia enterocolitica nucleic acid detection kit                     | for the auxiliary diagnosis of Yersinia enterocolitica infection in samples such as fecal water samples, suspected contaminated water, food, etc.                                                                           |

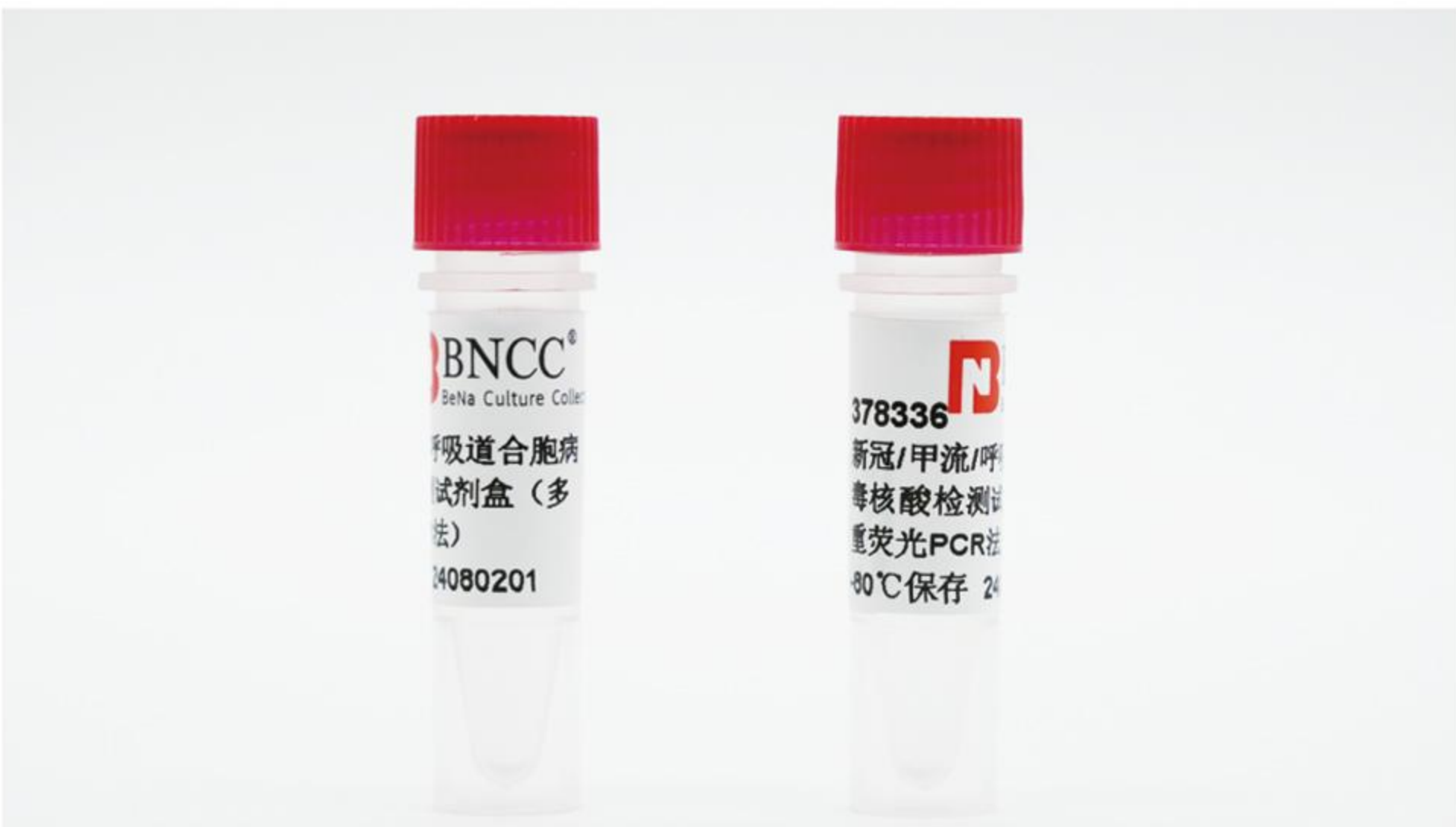
# Rapid Microbial Detction Kit

## (II) Colloidal Gold Detection Kit

| BNCCNo. | Description                                                                 | Application                                                    |
|---------|-----------------------------------------------------------------------------|----------------------------------------------------------------|
| 379154  | Influenza A virus antigen detection test strip card (colloidal gold method) | for the rapid detection of the antigen of influenza A virus.   |
| 379155  | Influenza A virus antigen detection test strip card (colloidal gold method) | for the IMViC biochemical identification of Escherichia coli.  |
| 379303  | Vibrio cholerae O1 rapid detection kit (colloidal gold method)              | for the rapid detection of Vibrio cholerae serogroup O1.       |
| 379304  | Vibrio cholerae O139 rapid detection kit (colloidal gold method)            | for the rapid detection of Vibrio cholerae O139 serogroup.     |
| 379148  | Human chorionic gonadotropin (HCG) detection test strip card                | for the rapid detection of human chorionic gonadotropin (HCG). |

## (III) Multiplex Flurescent Nucleic Acid Detection Kit

| BNCCNo. | Description                                                                               | Application                                                                                                                                                                                                                                               |
|---------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 376039  | Multiple nucleic acid testing kits for six respiratory pathogens (Fluorescent PCR method) | for the rapid detection of the nucleic acids of adenovirus, cytomegalovirus, Mycoplasma pneumoniae, respiratory syncytial virus, rhinovirus and parainfluenza virus.                                                                                      |
| 376040  | Nine bacterial diarrhea pathogen nucleic acid testing kits (Fluorescent PCR method)       | for the rapid detection of the nucleic acids of Vibrio parahaemolyticus, Listeria monocytogenes, Bacillus cereus, general detection for Vibrio cholerae, Staphylococcus aureus, Escherichia coli O157:H7, Campylobacter jejuni, Salmonella, and Shigella. |
| 361200  | Staphylococcus aureus nucleic acid detection kit (Multiplex fluorescence PCR method)      | for the rapid detection of Staphylococcus aureus in food and cosmetics.                                                                                                                                                                                   |
| 374152  | Influenza A/ B virus nucleic acid detection kit (Fluorescent PCR method)                  | Universal nucleic acid detection for influenza A and B viruses.                                                                                                                                                                                           |



# Culture medium

## ( I ) Powder Culture Medium

| BNCCNO. | Description                      | Concentration | Application                                                                                                                      |
|---------|----------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------|
| 370559  | R2A Agar Medium                  | powder; 250g  | for the determination of the total number of colonies in purified water.                                                         |
| 370555  | CPDA                             | powder; 250g  | for the isolation and cultivation of fungi.                                                                                      |
| 370527  | YM Medium                        | powder; 250g  | for the enrichment culture of molds and yeasts.                                                                                  |
| 370517  | Brain Heart Infusion Agar        | powder; 250g  | It is rich in nutrients and is used for culturing various kinds of bacteria.                                                     |
| 370516  | Columbia Blood Agar Base         | powder; 250g  | for the basic cultivation of various bacteria.                                                                                   |
| 370480  | Thioglycollate Medium            | powder; 250g  | for the sterility testing of pharmaceuticals and biological products, and for detecting aerobic bacteria and anaerobic bacteria. |
| 370478  | Lactose Peptone Broth            | powder; 250g  | for the determination of the total coliform group in drinking water and water sources.                                           |
| 370433  | MRS Broth                        | powder; 250g  | for the selective enrichment culture of lactic acid bacteria in food.                                                            |
| 369902  | 2216E Agar                       | powder; 250g  | for the cultivation and enumeration of marine bacteria.                                                                          |
| 369900  | Silicate bacterial liquid medium | powder; 250g  | for the enrichment culture of silicate bacteria.                                                                                 |
| 368227  | Nutrient Agar                    | powder; 250g  | for bacterial counting. It contains no sugar and can serve as the base for blood agar and be used for subculture                 |
| 368226  | Tryptic Soy Agar                 | powder; 250g  | for the cultivation of various microorganisms.                                                                                   |
| 368224  | Trypticase Soy Broth             | powder; 250g  | for the cultivation of various microorganisms.                                                                                   |
| 368223  | Nutrient Broth                   | powder; 250g  | for general bacterial cultivation, transfer of cultures, rejuvenation, enrichment of bacteria, etc.                              |
| 368225  | Sabouraud Dextrose Aga           | powder; 250g  | for the detection of fungi.                                                                                                      |
| 370536  | Sabouraud' s Agar                | powder; 250g  | for the detection of fungi.                                                                                                      |

## ( II ) Ready-to-use Culture Medium

| BNCCNO. | Description                            | Application                                                                                                                               |
|---------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 364621  | TSA                                    | Cultivate Vibrio parahaemolyticus and conduct the Cytochrome Oxidase Test                                                                 |
| 364620  | TSI                                    | Biochemical culture medium, used for the screening of biochemical reactions of Enterobacteriaceae bacteria.                               |
| 364613  | NA                                     | for the purified cultivation of bacteria.                                                                                                 |
| 369727  | CMC                                    | for the cultivation of cellulose-decomposing bacteria.                                                                                    |
| 381906  | PDA                                    | for the cultivation and preservation of molds and yeasts.                                                                                 |
| 367740  | Mycoplasma Broth Medium (Glucose-Free) | for the cultivation of mycoplasma.                                                                                                        |
| 363764  | BLGB                                   | for the confirmation test of coliform group.                                                                                              |
| 363762  | EC                                     | for the determination of fecal coliforms and Escherichia coli.                                                                            |
| 363760  | LST                                    | for the determination of coliform group and Escherichia coli.                                                                             |
| 353538  | FT                                     | It is used for the sterility testing of pharmaceuticals and biological products, and for the detection of aerobic and anaerobic bacteria. |
| 370105  | GY                                     | for the cultivation of bacteria.                                                                                                          |
| 368149  | L-Histidine Medium                     | for the cultivation of L-histidine-deficient Salmonella typhimurium.                                                                      |
| 364057  | CCRM                                   | It is used to detect fiber-decomposing microorganisms.                                                                                    |
| 363892  | PYG MEDIUM (modified)                  | for the cultivation of anaerobic bacteria.                                                                                                |
| 363771  | SSA                                    | for the selective isolation and cultivation of Salmonella and Shigella.                                                                   |



## Catalogue Download

India Contact:

Life Technologies (India) Pvt. Ltd.

Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444

Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)

**BeNa Culture Collection**

**BNCC Limited**

Address: Hedian Light Industrial Park, Chengguan Town, Shangcheng

County, Xinyang City, Henan Province, China

Postal Code: 465350

Telephone: +8615188560936

Email: [info@bncc.com](mailto:info@bncc.com)

Website: [www.bncc.com](http://www.bncc.com)