

Catalogue Manual

Reference Material and Third Party Controls

The products contain the following series:

Reference Materials

Internal Quality Control Products

Reference Panel

External Quality Control Products

In Vitro Diagnostic Reagents

Animal Disease Series

标准物质 第三方质控品



Guangzhou BDS Biological Technology Co.,Ltd
广州邦德盛生物科技有限公司

ABOUT BDS

Guangzhou BDS Biological Technology Co. Ltd. was established in 2015, and then established its Medical Device Full Industry Chain Innovation Incubation and Reference Materials & Third-Party Control Products Standardization Research Center in 2020. The vision of BDS is to “Take standards as guidance, Industrial transformation as the leading factor, and Create a medical device full industry chain innovation service platform.”

❖ **Medical Device Full Industry Chain Innovation Incubation**——It aims to provide a full range of one-stop services for biomedical companies, including scientific research project planning and management, quality control system establishment and consultation, clinical trials and statistical analysis, domestic and international product registration, and technology project and intellectual property services.

❖ **Reference Materials & Third-Party Control Products Standardization Research Center**——It integrates research, development, production and marketing of third-party quality control products and reference materials for biological diagnostic reagents such as clinical molecular diagnostics, immunodiagnosics, clinical biochemical testing, and animal epidemics; it undertakes reagent sales, technical services and contract development as a whole. An integrated professional and innovative high-tech enterprise company, which is a leading enterprise of domestic biometric reference materials.

The company now has more than 100 certified national secondary reference materials among which many are initiated by it first domestically or internationally, including EBV DNA, HCMV DNA, HPV16 DNA, HPV18 DNA, PRRSV LV, PRRSV JXA1, PRRSV VR2332, PCV1, PCV2. During SARS-CoV-2 pandemic, our company took the lead in the country to successfully develop a series of new corona virus nucleic acid quality control products, becoming the first company in China to obtain the national reference materials certificate for new corona virus (SARS-CoV-2), issued by the State Market Supervision Administration, providing quality assurance for accurate detection of the coronavirus.



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1. Basic Terminology and Definitions

1.1 Reference Materials (RM)

Substance having specified properties sufficiently homogeneous and stable for its intended use in measurement or testing of nominal properties. 【JJF1005-2016, Definition 3.1】

Note 1: The test of the nominal characteristic provides the nominal characteristic value and its uncertainty. This uncertainty is not the measurement uncertainty.

Note 2: reference materials with or without assigned values can be used for measurement precision control, and only reference materials with assigned values can be used for calibration or measurement accuracy control.

Note 3: "reference materials" includes both reference materials with quantities and reference materials with nominal properties.

1.2 Certified Reference Materials (CRM)

Accompanied by a document issued by an authoritative body, a reference material providing values of one or more properties with uncertainties and traceability obtained using valid programs. 【JJF1005-2016, Definition 3.2】

Note 1 "Documentation" is given in the form of "certificate" (see ISO Guide 31) .

Note 2: The programs for the preparation and identification of certified reference materials are specified (see JJF1342 and JJF1343, which are equivalent to ISO Guide 34 and ISO Guide 35 referred to in JJF1001 and VIM) .

Note 3: In the Definition, "uncertainty" includes both measurement uncertainty and uncertainty of nominal property values such as identity and sequence. "Traceability" includes both the metrological traceability of the quantity value and the traceability of the nominal characteristic value.

Note 4: The specific quantity value of "Certified reference materials" requires metrological traceability with measurement uncertainty.

Note 5: Though the ISO/RSC has a similar Definition, the modifier "measurement" applies to both the quantity and the nominal property.

1.3 Control Materials

A substance, material or article intended by its manufacturer to be used to verify the performance characteristics of an in vitro diagnostic medical device. 【GB/T 29791.1-2013, Definition 3.13】

Note 1: The laboratory should use appropriate quality control products whose response to the detection system is as close as possible to patient samples.

Note 2: Whenever possible, the laboratory should choose the level of the clinical decision value or the concentration of the quality

control substance close to its value to ensure the validity of the decision value.

Note 3: The use of independent third-party quality control materials should be considered as an alternative or supplement to quality control materials provided by reagent or instrument manufacturers. 【ISO 15189-2012】

Note 4: If a quality control product with a fixed value is used, the original calibration value on the instruction manual can only be used as a reference, and the laboratory must make repeated measurements to determine the tentative and commonly used mean and reference materials deviation. 【WS/T 641-2018】

1.4 Third-party Quality Control Products

Third-party quality control products are not specifically set or optimized for a particular method or instrument and whose performance is completely independent of the batch number of the reagent or test kit and can provide unbiased evaluation of the detection system.

1.5 Calibrator

It is used as the reference substance for the independent variable in a calibration function. It has a fixed value and a known measurement uncertainty, and its purpose should be to calibrate a measurement system, to establish the metrological traceability of the measurement results of this system. [Technical Guidelines for In Vitro Diagnostic Reagent Calibrator and Quality Control Research]

1.6 Internal Quality Control (IQC)

Lab personnel continuously measure specific components in stable samples at a certain frequency, and use a series of methods to analyze, infer and evaluate the reliability of the batch of measurement results according to statistical laws, to judge whether the test report can be issued, find and eliminate unsatisfactory factors in the quality control program in time. [WS/T-2018, Definition 2.2]

1.7 External Quality Assessment/Proficiency Testing, PT

Multiple specimens are periodically sent to laboratories for analysis and/or identification. The results of each laboratory are compared with the results of other laboratories in the same group or assigned values, and the results of the comparison are reported to the participating experiments room. 【GB/T 20470-2006, Definition 2.4】

1.8 Metrological Traceability

Through an uninterrupted chain of calibrations that are documented, the properties of the measurement result that relate the measurement result to a reference object, each calibration in the calibration chain introduces a measurement uncertainty. 【JJF 1001-2011, Definition 4.14】

1.9 Methodological Evaluation

Also known as methodological performance evaluation, it is to evaluate the technical performance indicators of measurement methods (measurement programs, detection systems) through experiments and

judge whether they are acceptable. Methodological evaluation includes two forms of performance verification and performance confirmation.

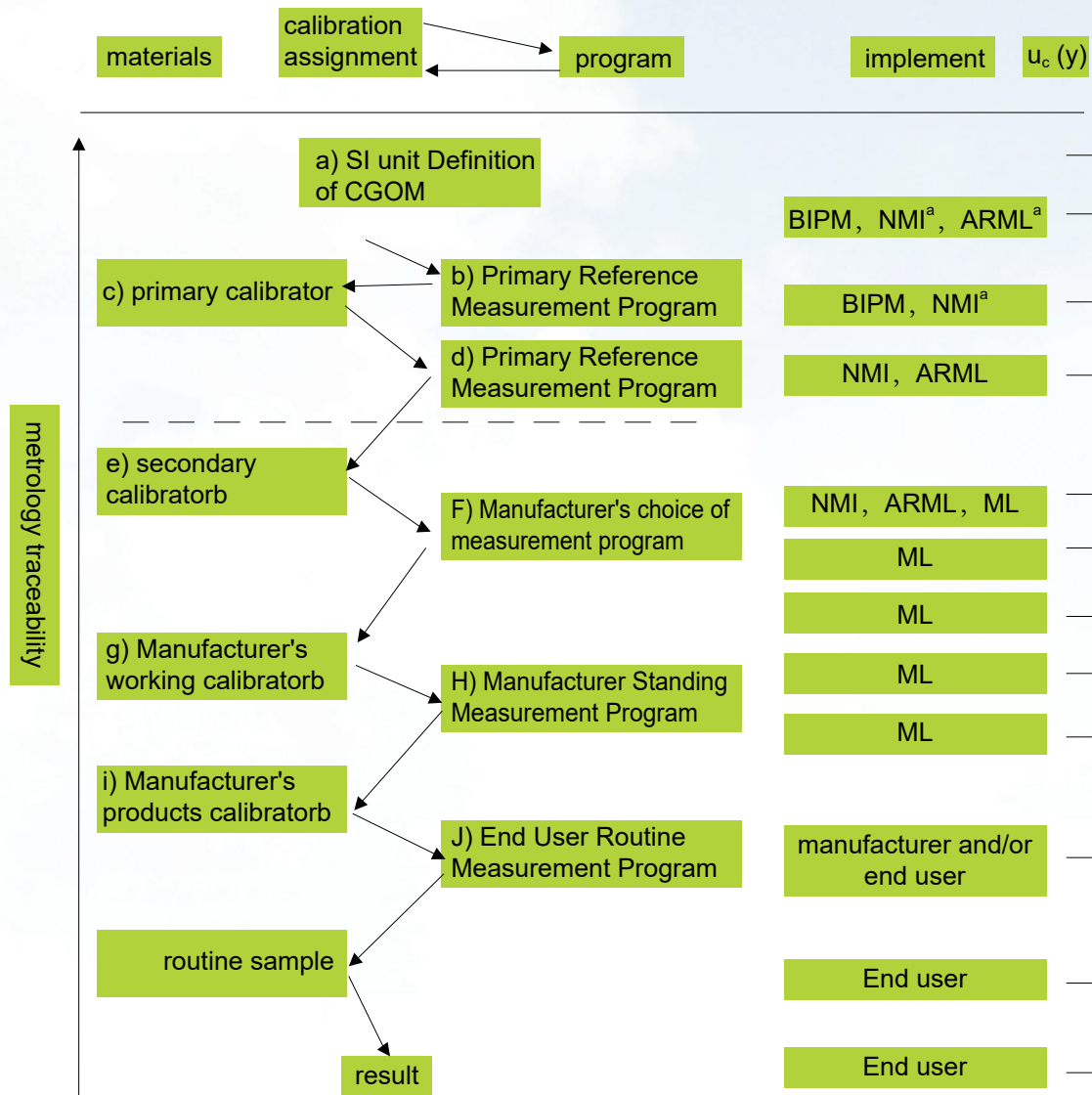
1.10 Performance Verification

Performance verification is to ensure that the test items carried out by the laboratory, the analytical performance of the applied test system or the methodology (test program) of the test item can meet the test and clinical requirements, so as to ensure that the test results of patient samples are accurate and reliable. The performance indicators include precision, accuracy, reportable range, detection limit, anti-interference ability and specificity, etc.



BDS 2 Hierarchy and Metrology Traceability Chain of Reference Materials

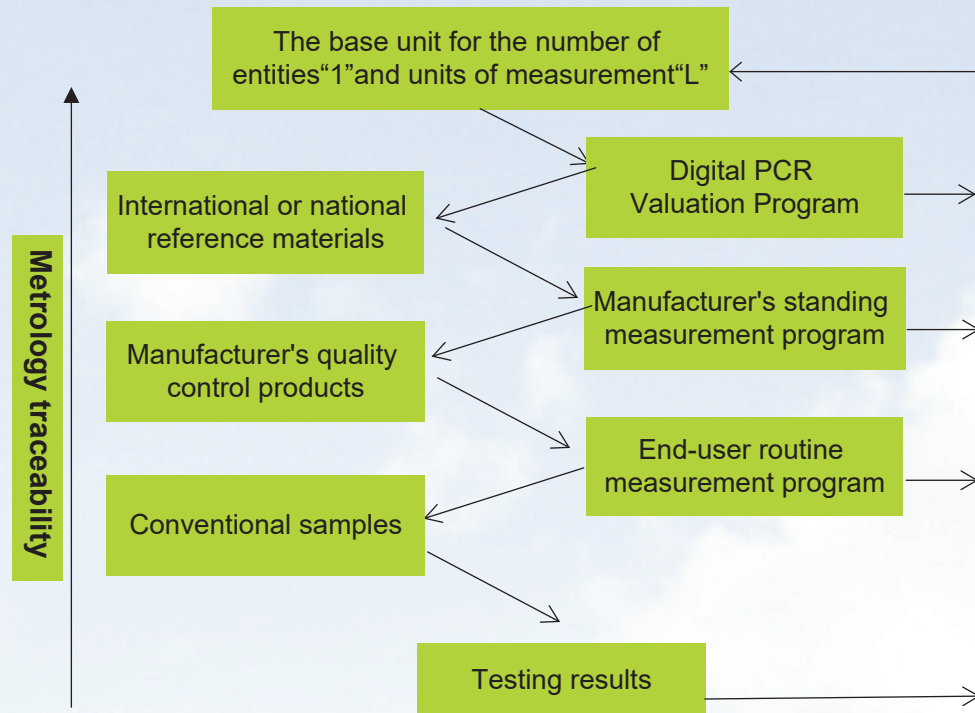
At present, in accordance with the provisions of the "Implementation Rules of the Metrology Law of the People's Republic of China" and the "Measures for the Administration of reference materials", reference materials are used as measuring instruments for legal management. The certified reference materials are divided into two grades, primary reference materials and secondary reference materials. The metrology traceability chain and calibration levels are shown in the figure below:



a Accredited by international scientific/medical organizations such as IFCC and WHO.

b The calibrator may have a matrix of material that is similar to samples of human origin measured by the end-user's routine measurement program.

BDS reference materials are secondary reference materials, and the traceability diagram is as follows:



The usage of Primary reference materials Research or evaluation reference method

- (1) Identification of secondary reference materials
- (2) Calibration of high-precision and high-precision measuring instruments

The usage of Secondary reference materials

- (1) Study or evaluate on-site analytical methods
- (2) Quality assurance of on-site laboratories
- (3) Quality Assurance Between Different Laboratories

Precautions for Reference Materials

- (1) Select and use certified reference materials approved and certificated by the state and identified by the metrological authority.
- (2) It is necessary to fully understand the contents stipulated in the reference materials certificate and strictly implement it.
- (3) Select a certified reference materials similar to the matrix composition of the sample to be tested and the content level of the components to be tested.
- (4) Select different grades of certified reference materials according to the expected use and uncertainty level requirements.
- (5) Use the products within the validity period of the certified reference materials.
- (6) Pay attention to the minimum sampling volume of the reference materials. When it is used less than the minimum sampling volume, parameters such as the characteristic value and uncertainty of the reference materials may no longer be valid.

The reference materials should be used when the analytical method and operation process are in a normal and stable state, otherwise it will lead to errors.



3 Advantages and Characteristics of BDS Quality Control Products

BDS quality control products are third-party quality control products, that is, control products that are not specially set or optimized for a specific method or instrument, whose performance is completely independent of the batch number of reagents or kits, and that can provide an unbiased evaluation of the detection system .

The quality control products can effectively analyze the deviation caused by problems in the system, such as instruments, environment, personnel operation, and reagents, etc., and provide a series of concentrations, so that operators can choose the best concentration for internal quality control, which is close to the clinical decision value level , which can best reflect the change of detection precision.

1. Traceability: It can be traced to WHO reference materials, national first-level reference materials or to the basic unit of entity number "1" and the unit of measurement "L" that can be used as a basic unit of measurement.

2. Safety: After chemical inactivation and (or) heat inactivation, it is not infectious.

3. Stability: Adopt advanced production technology and strict production quality system to ensure products quality stability and uniformity.

4. Matrix effect/interchangeability: The liquid reference materials does not need reconstitution, is easy to operate, has no matrix effect and is interchangeable; the dry powder quality control substance is based on human serum, has no matrix effect, and has a long shelf life and more stable quality. Convenient transportation and other advantages.

5. Scope of application: It is an independent and objective third-party quality control product, applicable to different testing platforms, different testing methodologies and testing kits from different manufacturers

6. Variety: The professional R&D team with the most varieties has developed common quality control materials covering nucleic acid, immunodiagnosics, and clinical biochemical testing.

7. Personalized customization: Can be customized according to customer needs.





4 Catalog of Nationally Certified Secondary Reference Materials

4.1 Nucleic Acid Certified Reference Materials

Item Nov.	Name	Number	Standard value±uncertainty	Specification	
BDS-BW-001	Human Cytomegalovirus DNA (HCMV DNA) liquid reference materials	GBW (E) 090676	$(1.8 \pm 0.7) \times 10^3$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-002		GBW (E) 090677	$(2.0 \pm 0.7) \times 10^4$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-003		GBW (E) 090678	$(2.4 \pm 0.7) \times 10^5$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-004	Epstein-Barr Virus DNA (EBV DNA) liquid reference materials	GBW (E) 090679	$(5.0 \pm 1.8) \times 10^3$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-005		GBW (E) 090680	$(5.1 \pm 1.1) \times 10^4$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-006		GBW (E) 090681	$(5.4 \pm 1.0) \times 10^5$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-091	Hepatitis B DNA (HBV DNA) Serum (liquid) reference materials	GBW (E) 090991	$(0.5 \pm 0.2) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-092		GBW (E) 090992	$(1.0 \pm 0.2) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-093		GBW (E) 090993	$(2.1 \pm 0.4) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-094		GBW (E) 090994	$(5.1 \pm 0.8) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-007		GBW (E) 090664	$(2.1 \pm 0.8) \times 10^3$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-008		GBW (E) 090665	$(2.1 \pm 0.7) \times 10^4$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-009		GBW (E) 090666	$(2.0 \pm 0.6) \times 10^5$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-010		GBW (E) 090667	$(2.1 \pm 0.6) \times 10^6$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-095		Hepatitis C RNA (HCV RNA) Serum reference materials	GBW (E) 090978	$(0.5 \pm 0.2) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box
BDS-BW-096			GBW (E) 090979	$(1.0 \pm 0.3) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box
BDS-BW-097	GBW (E) 090980		$(2.1 \pm 0.4) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-098	GBW (E) 090981		$(5.0 \pm 0.8) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-011	GBW (E) 090659		$(1.4 \pm 0.7) \times 10^3$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-012	GBW (E) 090660		$(1.2 \pm 0.5) \times 10^4$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-013	GBW (E) 090661		$(1.4 \pm 0.5) \times 10^5$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-014	GBW (E) 090662		$(1.3 \pm 0.5) \times 10^6$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-108	Human immunodeficiency virus type 1 RNA (HIV-1 RNA) Serum reference materials	GBW (E) 090982	$(2.1 \pm 0.5) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-109		GBW (E) 090983	$(5.1 \pm 0.8) \times 10^2$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-110		GBW (E) 090984	$(1.1 \pm 0.2) \times 10^3$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-111		GBW (E) 090985	$(2.1 \pm 0.3) \times 10^3$ IU/mL	1.5mL/tube, 10 tubes/box	
BDS-BW-015		GBW (E) 090663	$(2.1 \pm 0.6) \times 10^4$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-016	Human papilloma virus type 16 RNA (HPV16 DNA) liquid reference materials	GBW (E) 090668	$(1.1 \pm 0.3) \times 10^4$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-017		GBW (E) 090669	$(1.2 \pm 0.3) \times 10^5$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-018		GBW (E) 090670	$(1.1 \pm 0.2) \times 10^6$ IU/mL	0.5mL/tube, 20 tubes/box	
BDS-BW-019		GBW (E) 090671	$(1.1 \pm 0.2) \times 10^7$ IU/mL	0.5mL/tube, 20 tubes/box	

4.1 Nucleic Acid Certified Reference Materials(continued)

货号	标准物质名称	编号	标准值 ± 不确定度	规格
BDS-BW-020	Human papilloma virus type 18 RNA (HPV18 DNA) liquid reference materials	GBW (E) 090672	$(1.1 \pm 0.4) \times 10^4$ IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-021		GBW (E) 090673	$(1.1 \pm 0.3) \times 10^5$ IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-022		GBW (E) 090674	$(1.0 \pm 0.3) \times 10^6$ IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-023		GBW (E) 090675	$(1.1 \pm 0.3) \times 10^7$ IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-117	Novel coronavirus (SARS-CoV-2) pseudovirus nucleic acid reference materials	GBW (E) 091132	ORF1ab gene: $(2.0 \pm 0.4) \times 10^2$ copies/ μ L	0.5mL/tube, 5 tubes/box
BDS-BW-118			N gene: $(2.0 \pm 0.4) \times 10^2$ copies/ μ L	
			E gene: $(2.1 \pm 0.4) \times 10^2$ copies/ μ L	
BDS-BW-119	Human adenovirus type 7 (ADV7) nucleic acid reference material (California/1954 enteritidis)	GBW (E) 091133	ORF1ab gene: $(2.1 \pm 0.4) \times 10^3$ copies/ μ L	0.5mL/tube, 5 tubes/box
			Ngene: $(2.0 \pm 0.4) \times 10^3$ copies/ μ L	
			Egene: $(2.1 \pm 0.4) \times 10^3$ copies/ μ L	
BDS-BW-120	Influenza A (H1N1) virus pseudovirus nucleic acid reference material	GBW (E) 091257	$(6.0 \pm 1.5) \times 10^2$ copies/ μ L	1.0mL/ tube, 5 tubes/box
BDS-BW-121	Influenza A (H3N2) pseudovirus nucleic acid reference material	GBW (E) 091258	$(6.5 \pm 1.5) \times 10^2$ copies/ μ L	1.0mL/ tube, 5 tubes/box
BDS-BW-122	Influenza B Victoria pseudovirus nucleic acid reference material	GBW (E) 091259	$(6.9 \pm 1.4) \times 10^2$ copies/ μ L	1.0mL/ tube, 5 tubes/box



4.2 Certified Reference Materials for Immunity

Item Nov.	Name	Number	Standrd value±uncertainty	Specification
BDS-BW-051	Hepatitis B virus surface antigen(HBsAg) Serum (liquid) reference materials	GBW (E) 090841	(0.23±0.09) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-052		GBW (E) 090842	(0.51±0.09) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-053		GBW (E) 090843	(5.07±0.64) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-054		GBW (E) 090844	(10.0±1.3) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-055		GBW (E) 090845	(25.0±3.3) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-056	Hepatitis B virus surface antigen(HBsAb) Serum (liquid) reference materials	GBW (E) 090866	(5.1±3.6) mIU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-057		GBW (E) 090867	(10.0±3.0) mIU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-058		GBW (E) 090868	(24.9±4.1) mIU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-059		GBW (E) 090869	(49.8±9.8) mIU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-060		GBW (E) 090870	(100±23) mIU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-061	Hepatitis B virus E antigen (HBeAg) serum (liquid) reference materials	GBW (E) 090871	(1.1±0.2) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-062		GBW (E) 090872	(2.1±0.1) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-063		GBW (E) 090873	(4.0±0.4) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-064	Hepatitis B virus E antibody (HBeAb) serum (liquid) reference materials	GBW (E) 090846	(1.0±0.6) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-065		GBW (E) 090847	(2.1±0.4) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-066		GBW (E) 090848	(4.2±0.3) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-067		GBW (E) 090849	(8.0±0.8) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-068	Hepatitis B virus core antibody(HBcAb) serum (liquid) reference materials	GBW (E) 090862	(0.5±0.2) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-069		GBW (E) 090863	(1.0±0.3) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-070		GBW (E) 090864	(1.5±0.4) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-071		GBW (E) 090865	(2.1±0.5) IU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-072	Human immunodeficiency virus type I antibody (anti-HIV-1) serum (liquid) reference materials	GBW (E) 090858	(1.1±0.2) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-073		GBW (E) 090859	(2.0±0.2) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-074		GBW (E) 090860	(4.1±0.3) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-075		GBW (E) 090861	(8.0±0.7) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-076	Hepatitis C virus antibody (anti-HCV) serum (liquid) reference materials	GBW (E) 090854	(1.1±0.2) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-077		GBW (E) 090855	(2.0±0.2) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-078		GBW (E) 090856	(4.1±0.3) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-079		GBW (E) 090857	(8.0±0.6) NCU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-080	Treponema pallidum antibody (anti-TP) serum (liquid) reference materials	GBW (E) 090850	(3.1±0.9) mIU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-081		GBW (E) 090851	(6.0±1.4) mIU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-082		GBW (E) 090852	(12.0±2.8) mIU/mL	0.5mL/tube, 20 tubes/box
BDS-BW-083		GBW (E) 090853	(18.1±4.2) mIU/mL	0.5mL/tube, 20 tubes/box



4.3 Blood-derived Screening Reference Materials

4.3.1、HBsAg/anti-HCV/anti-HIV-1/ anti-TP Mixed Serum Reference Materials

(specification: 3.0mL/tube 20 tubes/box)

Item Nov.	Name	Number	Analyte							
			HBsAg IU/mL		Anti HIV-1 NCU/mL		Anti TP mIU/mL		Anti HCV NCU/mL	
			Reference materials value	uncertainty	reference materials value	uncertainty	reference materials value	uncertainty	reference materials value	uncertainty
BDS-BW-112	HBsAg/antiHCV/anti HIV-1/ anti TP mixed serum reference materials	GBW (E) 090986	0.21	0.08	0.20	0.06	3.1	1.2	0.21	0.07
BDS-BW-113		GBW (E) 090987	0.20	0.08	0.47	0.12	5.9	1.8	0.52	0.14
BDS-BW-114		GBW (E) 090988	0.50	0.09	0.52	0.13	6.3	1.8	0.51	0.14
BDS-BW-115		GBW (E) 090989	0.51	0.09	1.00	0.20	11.9	3.3	1.20	0.13
BDS-BW-116		GBW (E) 090990	0.51	0.09	2.04	0.27	12.4	3.4	2.04	0.17

4.3.2、HBV/HCV/HIV-1 nucleic acid mixed serum reference materials

(specification: 1.5mL/tube 20 tubes/box)

Item Nov.	Name	Number	Analyte		
			HBV DNA (IU/mL)	HCV RNA (IU/mL)	HIV-1 RNA (IU/mL)
BDS-BW-102	HBV/HCV/HIV-1 nucleic acid serum reference materials	GBW (E) 090973	$(3.4 \pm 1.1) \times 10$	$(3.3 \pm 1.2) \times 10$	$(2.1 \pm 0.6) \times 10^2$
BDS-BW-103		GBW (E) 090974	$(5.5 \pm 1.4) \times 10$	$(5.4 \pm 1.5) \times 10$	$(2.1 \pm 0.5) \times 10^2$
BDS-BW-104		GBW (E) 090975	$(5.2 \pm 1.3) \times 10$	$(2.2 \pm 0.5) \times 10^2$	$(2.2 \pm 0.5) \times 10^2$
BDS-BW-105		GBW (E) 090976	$(2.1 \pm 0.4) \times 10^2$	$(1.2 \pm 0.3) \times 10^3$	$(1.1 \pm 0.2) \times 10^3$
BDS-BW-106		GBW (E) 090977	$(5.1 \pm 0.8) \times 10^2$	$(2.1 \pm 0.4) \times 10^3$	$(2.2 \pm 0.4) \times 10^3$



BDS 5 Clinical Internal Quality Control Products

5.1 Quality Control Products for Infectious Diseases

5.1.1. Virus Quality Control Products

Item Nov.	Name	Concentration		Specification
		Number	Mean range/type	
BDS-IQC-001	Serum (liquid) quality control products for Hepatitis B virus DNA (HBV DNA)	High value (S4)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-002		Median (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-003		Low value (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-004		critical value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-136		L1	500 IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-137		L2	200 IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-215		L3	100 IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-138		L4	50 IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-140	Hepatitis B virus DNA (HBV DNA) genotyping serum (liquid) internal quality control product	Contains common HBV genotypes (type B, type C, type D, type B+C, etc., please consult sales staff for details)		0.5ml/tube, 20 tubes/box
BDS-IQC-004-6	Serum (liquid) quality control product for hepatitis B virus drug-resistant gene mutation	Contains HBV YVDD, HBV YIDD and other genes		0.5ml/tube, 20 tubes/box
BDS-IQC-004-7	Hepatitis B virus DNA serum interfering substance (liquid) internal quality control products	Contains bilirubin, triglycerides, hemoglobin, Albumin, total IgG interfering reference materials and normal control samples		0.5ml/tube, 12 tubes/box
/	Hepatitis B virus pg RNA (HBV pgRNA) serum (liquid) internal quality control product	Haven't come out yet (consult salesman for detail)		/
BDS-IQC-005	Hepatitis C virus ribonucleic acid (HCV RNA) serum (liquid) internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-006		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-007		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-142		L1	500 IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-143		L2	200 IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-216		L3	100IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-146	Hepatitis C virus ribonucleic acid (HCV RNA) genotyping serum (liquid) internal quality control product	Common HCV RNA gene (1a/1b/2a/6a/3a/3b) (consult salesman for detail)		0.5ml/tube, 20 tubes/box
BDS-IQC-007-5	Hepatitis C virus ribonucleic acid serum (liquid) internal quality control product	Contains bilirubin, triglycerides, hemoglobin, Albumin, total IgG interfering reference materials and normal control samples		0.5ml/tube, 12 tubes/box
BDS-IQC-207-4	Hepatitis E virus ribonucleic acid (HEV RNA) serum (liquid) internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC--207-3		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC--207-2		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-150	Human immunodeficiency virus type 1 ribonucleic acid (HIV-1 RNA) serum (liquid) internal quality control products	High value (S3)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-151		Median (S2)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-152		Low value (S1)	$1.00 \times 10^2 \sim 1.00 \times 10^3$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-195		L1	1000IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-196		L2	500 IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-197		L3	100 IU/mL	0.5ml/tube, 20 tubes/box

5.1.1. Virus Quality Control Products (continued)

Item Nov.	Name	Concentration		Specification
		Number	Mean range/type	
BDS-IQC-392-01	Human immunodeficiency virus type 1 (HIV-1) typing serum (liquid) internal quality control products	S1	CRF08_BC	0.5ml/tube, 10tubes/box
BDS-IQC-392-02		S2	CRF07_BC	0.5ml/tube, 10tubes/box
BDS-IQC-392-03		S3	CRF01_AE	0.5ml/tube, 10tubes/box
BDS-IQC-392-04		S4	Thai-B	0.5ml/tube, 10tubes/box
BDS-IQC-392-05		S5	B	0.5ml/tube, 10tubes/box
BDS-IQC-118	HBV DNA/HCV RNA	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-119	Mixed serum (liquid) internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-120		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-223	HBV DNA/HCV RNA/HIV-1 RNA mixed serum (liquid) internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-224		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-225		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-410-2001	Blood derived screening HBV/HCV/HIV-1 nucleic acid serum (liquid) quality control products (negative quality control products 5.0mL)	/	HBV DNA:500IU/mL、 HCV RNA :2500IU/mL、 HIV-1 RNA:2500IU/mL	1.0ml/tube, 20tubes/box
BDS-IQC-410-2002		/	HBV DNA:1000IU/mL、 HCV RNA :5000IU/mL、 HIV-1 RNA:5000IU/mL	1.0ml/tube, 20tubes/box
BDS-IQC-031	herpes simplex virus type 1 DNA (HSV1 DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-032		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-033		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-034	herpes simplex virus type 2 DNA (HSV2 DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-035		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-036		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-321	Varicella zoster virus DNA (VZV DNA) liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-050	EB virus DNA (EBV DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-051		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-052		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-025	Human Cytomegalo virus DNA (HCMV DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-026		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-027		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-133	human papillomavirus genotyping liquid internal quality control product	Median (S2)	Various choices for HPV typing (consult salesman for details)	0.5ml/tube, 2tubes/box
BDS-IQC-133-2	human papillomavirus genotyping mixed liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-133-1		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-133-3		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-016	human papillomavirus type 16 DNA (HPV16 DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-017		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-018		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-019	human papillomavirus type 18 DNA (HPV18 DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-020		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-021		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-037	human papillomavirus type 16, 18 DNA (HPV16/18 DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-038		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-039		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ IU/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-041	human papillomavirus type 6 DNA (HPV6 DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-042		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-043		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-044	human papillomavirus type 11 DNA (HPV11 DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-045		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-046		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-047	human papillomavirus type 6, 11 DNA (HPV6/11 DNA) liquid internal quality control products	High value	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-048		Median	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-049		Low value	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box

5.1.1. Virus Quality Control Products (continued)

Item Nov.	Name	Concentration		Specification
		Number	Mean range/type	
BDS-IQC-373	Monkeypox virus DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 10tubes/box
BDS-IQC-374		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 10tubes/box
BDS-IQC-375		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 10tubes/box
BDS-IQC-383	Vaccinia virus liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-384	Vaccinia virus - Tiantan strain nucleic acid liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-385	Camel pox virus nucleic acid liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-386	Vaccinia virus nucleic acid liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-387	Light smallpox virus nucleic acid liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-388	Smallpox virus nucleic acid liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-389	Heavy Smallpox virus nucleic acid liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-115	The universal ribonucleus of enteroviruses liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-116		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-117		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-064	Enterovirus 71 RNA (EV71 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-065		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-066		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-067	Coxsackie virus CA16 RNA (CA16 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-068		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-069		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-217	Coxsackie virus CA6 RNA (CA6 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-218		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-219		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-220	Coxsackie virus CA10 RNA (CA10 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-221		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-222		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-070	Group A Rotavirus RNA (RWA RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-071		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-072		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-226	Norovirus RNA (NV RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-227		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-228		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-088	Dengue virus type I RNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-089		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-090		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-091	Dengue virus type II RNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-092		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-093		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-094	Dengue virus type III RNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-095		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-096		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-097	Dengue virus type IV RNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-098		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-099		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-255	Zika virus RNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-256		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-257		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-130	Influenza A virus RNA (IVA RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-131		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-132		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box

5.1.1. Virus Quality Control Products (continued)

Item Nov.	Name	Concentration		Specification
		Number	Mean range/type	
BDS-IQC-073	Influenza B virus RNA (IVB RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-074		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-075		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-316	Influenza B virus RNA (IVB RNA) liquid internal quality control product (Yamagata)	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-317	Influenza B virus RNA (IVB RNA) liquid internal quality control product (Victoria strain)	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-173	Influenza A (H1N1) virus RNA (H1N1 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-174		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-175		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-341	Influenza A (H3N2) virus RNA (H3N2 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-342		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-315		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-176	Influenza A (H5N1) virus RNA (H5N1 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-177		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-178		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-179	Influenza A (H7N9) virus RNA (H7N9 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-180		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-181		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-182	Influenza A (H9N2) virus RNA (H9N2 RNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-183		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-184		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-281	Human parainfluenza virus type 1 RNA (PIV 1 RNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-282		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-077	Human parainfluenza virus type 2 RNA (PIV2 RNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-078		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-080	Human parainfluenza virus type 3 RNA (PIV3 RNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-081		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-083	Human parainfluenza virus type 4b RNA (PIV4b RNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-084		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-086	Respiratory syncytial virus A RNA (RSV-A RNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-087		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-230	Respiratory syncytial virus B RNA (RSV-B RNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-231		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-233	Human adenovirus DNA (ADV DNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-234		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-286	Human adenovirus type 1 DNA (ADV1 DNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-287		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-288	Human adenovirus type 2 DNA (ADV2 DNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-289		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-264	Human adenovirus type 3 DNA (ADV3 DNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-265		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-278	Human adenovirus type 4 DNA (ADV4 DNA) liquid internal quality control products	Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-279		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box

5.1.1. Virus Quality Control Products (continued)

Item Nov.	Name	Concentration		Specification
		Number	Mean range/type	
BDS-IQC-290	Human adenovirus type 5 DNA (ADV5 DNA) liquid internal quality control products	Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-291		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-267	Human adenovirus type 7 DNA (ADV7 DNA) liquid internal quality control products	Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-268		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-292	Human adenovirus type 11 DNA (ADV11 DNA) liquid internal quality control products	Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-293		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-294	Human adenovirus type 14 DNA (ADV14 DNA) liquid internal quality control products	Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-295		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-296	Human adenovirus type 21 DNA (ADV21 DNA) liquid internal quality control products	Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-297		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-298	Human adenovirus type 41 DNA (ADV41 DNA) liquid internal quality control products	Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-299		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-300	Human adenovirus type 48 DNA (ADV48 DNA) liquid internal quality control products	Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-301		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-063	Rubella virus RNA (RV RNA) liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-062		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-061		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-390	Measles virus RNA (MV RNA) liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-260	Rubella/Measles virus RNA mixed liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-261		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-262		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-318	human rhinovirus RNA (HRV RNA) liquid internal quality control products	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-269	Human metapneumovirus RNA (HMPV RNA) liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-270		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-271		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-235	Human coronavirus HCoV-OC43 RNA liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-236		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-237		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-238	Human coronavirus HCoV-HKU1 RNA liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-239		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-240		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-241	Human coronavirus HCoV-229E RNA liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-242		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-243		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-244	Human coronavirus HCoV-NL63 RNA liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-245		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-246		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-247	Severe Acute Respiratory Syndrome Coronavirus nucleic acid RNA (SARS-CoV RNA) liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-248		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-249		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-198	Middle East Respiratory Syndrome Coronavirus nucleic acid RNA (MERS RNA) liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-199		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-200		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-275	2019 coronavirus RNA (2019-nCoV RNA) liquid internal quality control products	Median (S2)	5.0×10 ³ ~2.0×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-276		Low value (S1)	7.5 ×10 ² ~3.0×10 ³ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-304		S0	5.0 ×10 ² ~2.0×10 ³ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-305		L1	2.5 ×10 ² ~1.0×10 ³ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-367		L2	1.2 ×10 ² ~5.0 ×10 ² copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-303		negative	/	0.5ml/tube, 20 tubes/box

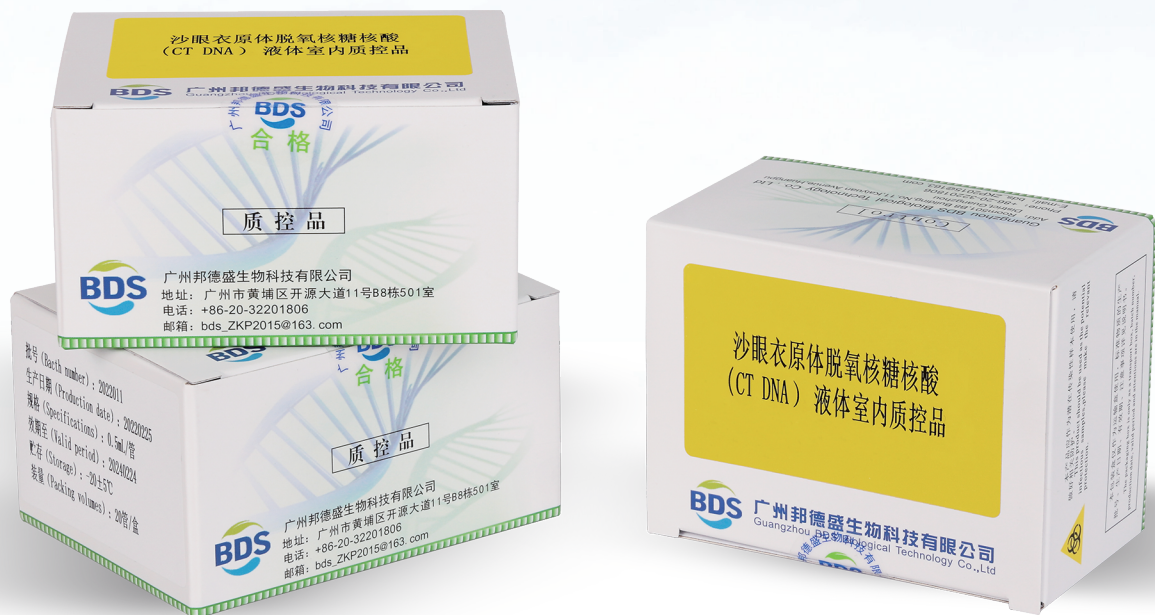
5.1.1. Virus Quality Control Products (continued)

Item Nov.	Name	Concentration		Specification
		Number	Mean range/type	
BDS-IQC-306	Coronavirus B.1.1.7 mutation strain nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-306-1	Coronavirus B.1.351 mutation strain nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-306-2	Coronavirus P.1 mutation strain nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-306-3	Coronavirus B.1.617 mutation strain nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-306-4	Coronavirus Omicron mutation strain nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-306-5	Coronavirus Delta mutation strain nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-306-6	Coronavirus Omicron BA.2 subtypes mutation strain nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-391	Coronavirus / Influenza A virus / Influenza B virus nucleic acid mixed liquid internal quality control product	L-1	2.5×10 ² ~1.0×10 ³ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-403-2001	Influenza A virus / Influenza B virus nucleic acid mixed liquid internal quality control products	High value (S3)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-403-2002		Median (S2)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-397-2001	Mumps virus nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-404-2001	Human T-cell-tropic virus type 1 nucleic acid liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-404-2002		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-404-2003		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-405-2001	Human T-cell-tropic virus type 2 nucleic acid liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-405-2002		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-405-2003		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-406-2001	Ebola virus nucleic acid (EBOV RNA) liquid internal quality control products (Zaire strain)	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-406-2002		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-406-2003		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-407-2001	Ebola virus nucleic acid (EBOV RNA) liquid internal quality control products (Sudan strain)	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-407-2002		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-407-2003		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-408-2001	Ebola virus nucleic acid (EBOV RNA) liquid internal quality control products (Reston strain)	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-408-2002		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-408-2003		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5ml/tube, 20 tubes/box
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5.1.2. Mycoplasma / Chlamydia Quality Control Products

Item Nov.	Name	Model		Specification
		Number	Mean range	
BDS-IQC-008	Mycoplasma pneumoniae DNA (MP DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-009		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-010		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-319	Chlamydia pneumonia DNA (CP DNA) liquid internal quality control product	Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-022	Chlamydia trachomatis DNA (CT DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-023		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-024		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-028	Ureaplasma urealyticum DNA (UU DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-029		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-030		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-206	Micro ureaplasma DNA (UP DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-207		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-208		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-113	Chlamydia trachomatis (CT) 、 Ureaplasma urealyticum (UU) 、 Gonococcal (NGH) DNA liquidmixed liquid internal quality control products	Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-114		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-127	Human Mycoplasma DNA (MH DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-128		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5ml/tube, 20 tubes/box
BDS-IQC-129		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5ml/tube, 20 tubes/box

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5.1.3. Bacterial Quality Control Products

Item Nov.	Name	Model		Specification
		Number	Mean range	
BDS-IQC-012	Gonococcal DNA internal quality control products (NGH DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^6 \sim 1.00 \times 10^7$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-013		Median (S2)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-014		Low value (S1)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-163	Group B Streptococcus DNA (GBS DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-164		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-165		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-060	Mycobacterium tuberculosis DNA (TB DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-059		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-058		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-343	Legionella pneumophila DNA (Lp DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-344		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-320		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-345	Staphylococcus aureus DNA (SA DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-346		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-322		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-347	Candida albicans DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-348		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-323		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-349	Candida glabrata DNA (CG DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-350		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-324		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-351	Pertussis bacterium DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-352		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-325		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-353	Klebsiella pneumoniae DNA (KP DNA) liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-354		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-326		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-355	Streptococcus pneumoniae DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-356		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-327		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-357	Streptococcus pyogenes DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-358		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-328		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-359	Genomic DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-360		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-329		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-361	Escherichia DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-362		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-331		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-363	Listeria DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-364		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-332		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-365	Salmonella DNA liquid internal quality control products	High value (S3)	$1.00 \times 10^5 \sim 1.00 \times 10^6$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-366		Median (S2)	$1.00 \times 10^4 \sim 1.00 \times 10^5$ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-333		Low value (S1)	$1.00 \times 10^3 \sim 1.00 \times 10^4$ copies/mL	0.5mL/tube, 20 tubes/box

5.1.3. Bacterial Quality Control Products(continued)

Item Nov.	Name	Model		Specification
		Number	Mean range	
BDS-IQC-376	H. pylori DNA liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-377		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-378		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-379	Pseudomonas aeruginosa DNA liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-380		Median (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-381		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-398-2001	Neisseria meningitidis nucleic acid liquid internal quality control products	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-399-2001	Streptococcus thermophilus nucleic acid liquid internal quality control products	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-400-2001	Enterococcus faecalis nucleic acid liquid internal quality control products	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-401-2001	Moraxella catarrata nucleic acid liquid internal quality control products	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-402-2001	Staphylococcus haemolyticus nucleic acid liquid internal quality control products	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-409-2001	Shigella nucleic acid liquid internal quality control product	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				

5.2 Prenatal and Postnatal Quality Control Products

Item Nov.	Name	Model		Specification
		Number	Analyte	
BDS-IQC-100	Non-invasive prenatal genetic testing: 21, 13, 18 abnormal liquid quality control product	abnormal	21, 13, 18 Trisomy	0.7ml/tube, 10 tubes/box
BDS-IQC-101	Non-invasive prenatal genetic testing: 21, 13, 18 normal liquid quality control product	normal	21, 13, 18 Trisomy	0.7ml/tube, 10 tubes/box
BDS-I-133	Prenatal screening internal quality control products	Low value (S1)	AFP, free β-hCG, FE3, PAPP-A, SFLT-1, PLGF	1.0ml/tube, 9 tubes/box
BDS-I-134		Median (S2)	AFP, free β-hCG, FE3, PAPP-A, SFLT-1, PLGF	1.0ml/tube, 9 tubes/box
BDS-I-135		High value (S3)	AFP, free β-hCG, FE3, PAPP-A, SFLT-1, PLGF	1.0ml/tube, 9 tubes/box
BDS-I-136	newborn screening internal quality control products	S1	Low value	2 blood spots/set, 3 sets/box (1) G6PD blood spots (2) TSH\ Phe\ 17-OHP
BDS-I-137		S2	Median	
BDS-I-213		S3	High value	
BDS-I-152	Multiple amino acids, carnitine and succinylacetone internal quality control products	C1/C2	Contains a variety of analytes including amino acids, carnitine, and succinylacetone. C1: low level; C2 high level	5 blood spots for C1, C2 each , 10 blood spots / set, 1 set/box
BDS-IQC-413-2001	Semen concentration analysis internal quality control products	S1	(10±0.5) ×10 ⁶	0.5mL/tube, 20 tubes/box
BDS-IQC-413-2002		S2	(40±2) ×10 ⁶	0.5mL/tube, 20 tubes/box
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				

5.3 Genetic Disease Gene Quality Control Products

Item Nov.	Name	Model		Specification
		/	Analyte	
BDS-IQC-054	Alpha thalassaemia gene positive quality control product	Optional Genotype	$-\alpha^{3.7}/\alpha\alpha$; $-\alpha^{4.2}/\alpha\alpha$; $-\text{SEA}/\alpha\alpha$; $-\text{SEA}/-\alpha^{3.7}$; $-\text{SEA}/-\alpha^{4.2}$; $-\alpha^{3.7}/-\alpha^{4.2}$ 等	0.5mL/tube, 20 tubes/box
BDS-IQC-055	Beta thalassaemia gene diagnosis positive quality control product	Optional Genotype	β^{-28}/β^N ; $\beta^{\text{CD17}}/\beta^N$; $\beta^{\text{CD41-42}}/\beta^N$; $\beta^{\text{IVS-2-654}}/\beta^N$; $\beta^{\text{CD26}}/\beta^N$; 等	0.5mL/tube, 20 tubes/box
BDS-IQC-056	Alpha/ Beta thalassaemia gene normal quality control product	Normal	$\alpha\alpha/\alpha\alpha$; $\beta\beta/\beta\beta$	0.5mL/tube, 20 tubes/box
BDS-IQC-415-0501	Alpha thalassaemia genome DNA internal quality control products	S1	$-\text{SEA}/\alpha\alpha^{\text{QS}}$	20μL/tube, 5 tubes/box
BDS-IQC-415-0502		S2	$\alpha^{\text{QS}}\alpha/\alpha\alpha$	20μL/tube, 5 tubes/box
BDS-IQC-415-0503		S3	$\alpha\alpha/\alpha\alpha^{\text{QS}}$	20μL/tube, 5 tubes/box
BDS-IQC-415-0504		S4	$-\text{SEA}/\alpha\alpha$	20μL/tube, 5 tubes/box
BDS-IQC-415-0505		S5	$-\text{SEA}/\alpha\alpha^{\text{WS}}$	20μL/tube, 5 tubes/box
BDS-IQC-416-0501	Beta thalassaemia genome DNA internal quality control products	S1	$\beta^N/\beta^{-28}(\text{A>G})$	20μL/tube, 5 tubes/box
BDS-IQC-416-0502		S2	$\beta^{\text{CD41-42}}/\beta^{-28}$	20μL/tube, 5 tubes/box
BDS-IQC-416-0503		S3	$\beta^{\text{CD41-42}}/\beta^N$	20μL/tube, 5 tubes/box
BDS-IQC-416-0504		S4	$\beta^{\text{CD41-42}}/\beta^{\text{CD41-42}}$	20μL/tube, 5 tubes/box
BDS-IQC-416-0505		S5	$\beta^{41-42\text{M}}/\beta^N$	20μL/tube, 5 tubes/box
BDS-IQC-416-0506		S6	$\beta^{41-42\text{M}}/\beta^{41-42\text{M}}$	20μL/tube, 5 tubes/box
BDS-IQC-417-0501	Alpha/ Beta thalassaemia genome DNA internal quality control products	S1	$\alpha^{\text{WS}}\alpha/\alpha\alpha$, $\beta^{41-42\text{M}}/\beta^N$	20μL/tube, 5 tubes/box
BDS-IQC-417-0502		S2	$-\text{SEA}/\alpha\alpha^{\text{WS}}$, $\beta^{41-42\text{M}}/\beta^N$	20μL/tube, 5 tubes/box
BDS-IQC-417-0503		S3	$-\alpha^{3.7}\alpha/\alpha\alpha$, $\beta^{\text{CD41-42}}/\beta^N$	20μL/tube, 5 tubes/box
BDS-IQC-417-0504		S4	$-\alpha^{3.7}\alpha/\alpha\alpha$, $\beta^{\text{CD41-42}}/\beta^{-28}(\text{A>G})$	20μL/tube, 5 tubes/box
BDS-IQC-417-0505		S5	$-\text{SEA}/\alpha\alpha$, $\beta^{\text{CD41-42}}/\beta^N$	20μL/tube, 5 tubes/box
BDS-IQC-417-0506		S6	$\alpha\alpha/\alpha\alpha$, β^N/β^N	20μL/tube, 5 tubes/box
BDS-IQC-254	Deafness gene dried blood spot (DBS) quality control product	Dried blood spots	GJB2; SLC26A4; MT-RNR1; GJB3; etc.	6 blood spots/box
BDS-IQC-147	Phenylketonuria gene dry blood spot (DBS) quality control product	Dried blood spots	4 PAH genes	6 blood spots/box
BDS-IQC-203	Human HLA-B27 gene whole blood quality control product	Whole Blood	HLA-B27 positive	0.5mL/tube, 20 tubes/box
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				

5.4 Oncogenetic Quality Control Products

Item Nov.	Name	Model		Specification
		Condition	Analyte	
BDS-IQC-106	ROS1 gene detection quality control products	liquid	ROS1 gene	5 tubes/box
BDS-IQC-107	PIK3CA gene mutation quality control product	liquid	PIK3CA gene mutation	5 tubes/box
BDS-IQC-108	EGFR gene mutation quality control products	liquid	EGFR gene mutation	5 tubes/box
BDS-IQC-109	KRAS gene mutation quality control products	liquid	KRAS gene mutation	5 tubes/box
BDS-IQC-110	BRAF gene mutation quality control products	liquid	BRAF gene mutation	5 tubes/box

5.4 Oncogenetic Quality Control Products(continued)

Item Nov.	Name	Model		Specification
		Condition	Analyte	
BDS-IQC-302	ALK gene mutation quality control products	liquid	ALK gene mutation	5 tubes/box
BDS-IQC-201	BRCA gene mutation quality control product	liquid	BRCA gene mutation	5 tubes/box
BDS-IQC-202	TP53 gene mutation quality control products	liquid	TP53 gene mutation	5 tubes/box
BDS-IQC-394-01	EGFR genome mutation DNA internal quality control products	liquid	EGFR (T790M/L858R) gene mutation	20µL/tube, 5 tubes/box
BDS-IQC-394-02		liquid	EGFR (19Del) gene mutation	20µL/tube, 5 tubes/box
BDS-IQC-394-03		liquid	EGFR (G719S) gene mutation	20µL/tube, 5 tubes/box
BDS-IQC-394-04		liquid	EGFR (wild-type) gene	20µL/tube, 5 tubes/box
BDS-IQC-395-01	EGFR gene mutation internal quality control products (FFPE sample)	Wax rolls	EGFR (T790M/L858R) gene mutation	15µm/tablet, 1 tablet/tube, 5 tubes/box
BDS-IQC-395-02		Wax rolls	EGFR (19Del) gene mutation	15µm/tablet, 1 tablet/tube, 5 tubes/box
BDS-IQC-395-03		Wax rolls	EGFR (G719S) gene mutation	15µm/tablet, 1 tablet/tube, 5 tubes/box
BDS-IQC-395-04		Wax rolls	EGFR (wild-type) gene	15µm/tablet, 1 tablet/tube, 5 tubes/box
BDS-IQC-396-01	KRAS genome mutation DNA internal quality control products	liquid	KRAS (G12C) gene mutation	20µL/tube, 5 tubes/box
BDS-IQC-396-02		liquid	KRAS (G12D) gene mutation	20µL/tube, 5 tubes/box
BDS-IQC-396-03		liquid	KRAS (G12V) gene mutation	20µL/tube, 5 tubes/box
BDS-IQC-396-04		liquid	KRAS (wild type) gene	20µL/tube, 5 tubes/box
BDS-IQC-204	Leukemia AML1-ETO fusion gene internal quality control products	liquid	AML1-ETO fusion	0.5mL/tube, 20 tubes/box
BDS-IQC-205	Leukemia PML-RARA fusion gene internal quality control products	liquid	PML-RARA fusion	0.5mL/tube, 20 tubes/box
BDS-IQC-251	Leukemia BCR-ABL1 fusion gene internal quality control products	liquid	BCR-ABL1 fusion	0.5mL/tube, 20 tubes/box
BDS-IQC-411-0501	EGFR gene mutation ctDNA internal quality control products	liquid	EGFR (T790M/L858R) gene mutation	0.5mL/tube, 5 tubes/box
BDS-IQC-411-0502		liquid	EGFR (19Del) gene mutation	0.5mL/tube, 5 tubes/box
BDS-IQC-411-0503		liquid	EGFR (G719S) gene mutation	0.5mL/tube, 5 tubes/box
BDS-IQC-411-0504		liquid	EGFR (wild-type) gene	0.5mL/tube, 5 tubes/box
BDS-IQC-412-0501	KRAS gene mutation ctDNA internal quality control products	liquid	KRAS (G12D) gene mutation	0.5mL/tube, 5 tubes/box
BDS-IQC-412-0502		liquid	KRAS (G12C) gene mutation	0.5mL/tube, 5 tubes/box
BDS-IQC-412-0503		liquid	KRAS (G12V) gene mutation	0.5mL/tube, 5 tubes/box
BDS-IQC-412-0501		liquid	KRAS (wild-type) gene	0.5mL/tube, 5 tubes/box
BDS-IQC-414-0501	BRAF genome mutation DNA internal quality control products	liquid	BRAF (V600E) gene mutation	20µL/tube, 5 tubes/box
BDS-IQC-414-0502		liquid	BRAF (wild-type) gene	20µL/tube, 5 tubes/box
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				

5.5 Individualized Medication Quality Control Products

Item Nov.	Name	Model		Specification
		Number	Analyte	
BDS-IQC-103-01	CYP2C19 gene polymorphism detection quality control products	S1	*17/*17 UM	20μL/tube, 5 tubes/box
BDS-IQC-103-02		S2	*1/*1 NM	20μL/tube, 5 tubes/box
BDS-IQC-103-03		S3	*2/*17 IM	20μL/tube, 5 tubes/box
BDS-IQC-103-04		S4	*1/*2 IM	20μL/tube, 5 tubes/box
BDS-IQC-103-05		S5	*2/*2 PM	20μL/tube, 5 tubes/box
BDS-IQC-103-06		S6	*1/*17 RM	20μL/tube, 5 tubes/box
BDS-IQC-104	Folic acid metabolic capacity (MTHFR) gene typing whole blood quality control products	Optional Genotype	MTHFR gene (consult sale staff for detail)	5 tubes/box
BDS-IQC-393-01	Folic acid metabolic capacity MTHFR and MTRR gene polymorphism detection quality control products	S1	MTHFR C677T (CC) 、MTHFR A1298C (AC) 、MTRR A66G (GG)	5 tubes/box
BDS-IQC-393-02		S2	MTHFR C677T (CC) 、MTHFR A1298C (AC) 、MTRR A66G (AG)	5 tubes/box
BDS-IQC-393-03		S3	MTHFR C677T (CC) 、MTHFR A1298C (CC) 、MTRR A66G (AG)	5 tubes/box
BDS-IQC-393-04		S4	MTHFR C677T (CC) 、MTHFR A1298C (AA) 、MTRR A66G (AA)	5 tubes/box
BDS-IQC-393-05		S5	MTHFR C677T (CT) 、MTHFR A1298C (AA) 、MTRR A66G (AG)	5 tubes/box
BDS-IQC-393-06		S6	MTHFR C677T (CT) 、MTHFR A1298C (AA) 、MTRR A66G (GG)	5 tubes/box
BDS-IQC-393-07		S7	MTHFR C677T (CT) 、MTHFR A1298C (AA) 、MTRR A66G (AA)	5 tubes/box
BDS-IQC-393-08		S8	MTHFR C677T (TT) 、MTHFR A1298C (AA) 、MTRR A66G (AA)	5 tubes/box
BDS-IQC-418-0501	Tacrolimus CYP3A5 gene polymorphism detection quality control products	S1	*1/*1	20 μL/tube, 5 tubes/box
BDS-IQC-418-0502		S2	*1/*3	20 μL/tube, 5 tubes/box
BDS-IQC-418-0503		S3	*3/*3	20 μL/tube, 5 tubes/box
BDS-IQC-111-01	Warfarin CYP2C9 and VKORC1 gene polymorphism detection quality control products	S1	CYP2C9*2,C430T (CC) ; CYP2C9*3,A1075C (AA) ; VKORC1,G1639A (AA); VKORC1,C1173 T (TT)	5 tubes/box
BDS-IQC-111-02		S2	CYP2C9*2,C430T (CC) ; CYP2C9*3,A1075C (AA) ; VKORC1,G1639A (GA); VKORC1,C1173 T (TC)	5 tubes/box
BDS-IQC-111-03		S3	CYP2C9*2,C430T (CC) ; CYP2C9*3,A1075C (AA) ; VKORC1,G1639A (GG) ; VKORC1,C1173 T (CC)	5 tubes/box
BDS-IQC-111-04		S4	CYP2C9*2,C430T (CC) ; CYP2C9*3,A1075C (AA) ; VKORC1,G1639A (AA) ; VKORC1,C1173 T (CC)	5 tubes/box
BDS-IQC-111-05		S5	CYP2C9*2,C430T (CT) ; CYP2C9*3,A1075C (AA) ; VKORC1,G1639A (GA) ; VKORC1,C1173 T (TC)	5 tubes/box
BDS-IQC-111-06		S6	CYP2C9*2,C430T (CT) ; CYP2C9*3,A1075C (AA) ; VKORC1,G1639A (GG); VKORC1,C1173 T (CC)	5 tubes/box

5.5 Individualized Medication Quality Control Products(continued)

Item Nov.	Name	Model		Specification
		Number	Analyte	
BDS-IQC-258-01	Human aldehyde dehydrogenase 2 (ALDH2) gene polymorphism detection quality control products	S1	1510 GG (wild type)	20 µL/tube, 5 tubes/box
BDS-IQC-258-02		S2	1510GA (heterozygous mutation)	20 µL/tube, 5 tubes/box
BDS-IQC-258-03		S3	1510AA (homozygous mutation)	20 µL/tube, 5 tubes/box
BDS-IQC-259-01	Human SLCO1B1 and ApoE gene polymorphism detection quality control products	S1	SLCO1B1 (*1a/*1a) ; ApoE (ε3/ε3)	20 µL/tube, 5 tubes/box
BDS-IQC-259-02		S2	SLCO1B1 (*1b/*15) ; ApoE (ε3/ε3)	20 µL/tube, 5 tubes/box
BDS-IQC-259-03		S3	SLCO1B1 (*1a/*1b) ; ApoE (ε3/ε4)	20 µL/tube, 5 tubes/box
BDS-IQC-259-04		S4	SLCO1B1 (*15/*15) ; ApoE (ε4/ε4)	20 µL/tube, 5 tubes/box
BDS-IQC-259-05		S5	SLCO1B1 (*1a/*1b) ; ApoE (ε4/ε4)	20 µL/tube, 5 tubes/box
BDS-IQC-259-06		S6	SLCO1B1 (*15/*15) ; ApoE (ε3/ε3)	20 µL/tube, 5 tubes/box
BDS-IQC-259-07		S7	SLCO1B1 (*1b/*1b) ; ApoE (ε3/ε3)	20 µL/tube, 5 tubes/box
BDS-IQC-259-08		S8	SLCO1B1 (*1b/*1b) ; ApoE (ε3/ε4)	20 µL/tube, 5 tubes/box
BDS-IQC-259-09		S9	SLCO1B1 (*1a/*1a) ; ApoE (ε3/ε4)	20 µL/tube, 5 tubes/box
BDS-IQC-259-10		S10	SLCO1B1 (*1a/*1b) ; ApoE (ε3/ε2)	20 µL/tube, 5 tubes/box
BDS-IQC-419-0501	Human HLA-B*1502 gene polymorphism detection quality control products	S1	HLA-B*1502 positive	20 µL/tube, 5 tubes/box
BDS-IQC-419-0502		S2	HLA-B*1502 negative	20 µL/tube, 5 tubes/box
BDS-IQC-420-0501	Human HLA-B*5801 gene polymorphism detection quality control products	S1	HLA-B*5801 positive	20 µL/tube, 5 tubes/box
BDS-IQC-420-0502		S2	HLA-B*5801 negative	20 µL/tube, 5 tubes/box
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				

5.6 Hormone Quality Control Products

Item Nov.	Quality Control Products	Specification
BDS-I-221	Catecholamines and metabolites quality control product	Waiting for listing in (Please consult sales for details)
BDS-I-222	Catecholamines and metabolites urine quality control product	
BDS-I-223	9 steroid hormone analytical quality control product	
BDS-I-224	Thyroid hormone (TT3/TT4) mixed quality control product	
BDS-I-225	Insulin-like growth factor (IGF-1) quality control product	
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.		

5.7 Immunization Internal Quality Control Products

Item Nov.	Quality Control Products	Concentration Number	Concentration	Specification
BDS-I-217	Corona virus (SARS-CoV-2) Antigen liquid internal quality control products	/	positive	0.5mL/tube, 20 tubes/box
BDS-I-218	Corona virus (SARS-CoV-2) IgG/IgM antibody liquid internal quality control products	/	positive	0.5mL/tube, 20 tubes/box
BDS-I-001	Hepatitis B virus surface antigen (HBsAg) serum (liquid) internal quality control products	S1	0.1 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-002		S2	0.2 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-003		S3	0.5 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-004		S4	5.0 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-005		S5	25.0 IU/mL	0.5mL/tube, 20 tubes/box

5.7 Immunization Internal Quality Control Products(continued)

Item Nov.	Quality Control Products	Concentration Number	Concentration	Specification
BDS-I-006	Hepatitis B virus surface antibody (HBsAb) serum (liquid) internal quality control products	S1	5 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-007		S2	10 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-008		S3	25 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-009		S4	50 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-010		S5	100 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-011	Hepatitis B virus e antigen (HBeAg) serum (liquid) internal quality control products	S1	1.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-012		S2	2.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-013		S3	4.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-014	Hepatitis B virus e antigen (HBeAb) serum (liquid) internal quality control products	S1	1.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-015		S2	2.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-016		S3	4.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-017		S4	8.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-018	Hepatitis B virus core antibody (HBcAb) serum (liquid) internal quality control products	S1	0.5 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-019		S2	1.0 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-020		S3	1.5 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-021		S4	2.0 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-036	Human immunodeficiency virus type 1 antibody (anti-HIV-1)) serum (liquid) internal quality control products	L1	0.2 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-035		S0	0.5 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-022		S1	1.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-023		S2	2.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-024		S3	4.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-025		S4	8.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-219	Hepatitis C virus antibody (anti HCV) serum (liquid) internal quality control products	L2	0.03 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-220		L1	0.05 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-034		S0	0.5 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-026		S1	1.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-027		S2	2.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-028		S3	4.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-029		S4	8.0 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-030		Syphilis spirochete antibodies (anti -TP) serum (liquid) internal quality control products	S1	3.0 mIU/mL
BDS-I-031	S2		6.0 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-032	S3		12 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-033	S4		18 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-210	Immune serum internal quality control products (Dry powder)	S1	Low value	5.0mL/bottle 6 bottles/box
BDS-I-211		S2	Median	5.0mL/bottle 6 bottles/box
BDS-I-212		S3	High value	5.0mL/bottle 6 bottles/box
BDS-I-214	Hepatitis A virus IgM antibody (anti-HAV-IgM) serum (liquid) internal quality control products	S1	Low value	0.5mL/tube, 20 tubes/box
BDS-I-215		S2	Median	0.5mL/tube, 20 tubes/box
BDS-I-216		S3	High value	0.5mL/tube, 20 tubes/box

5.7 Immunization Internal Quality Control Products(continued)

Item Nov.	Quality Control Products	Concentration Number	Concentration	Specification
BDS-I-226	Folic acid analytical quality control product			Waiting for listing in (Please consult sales for details)
BDS-I-227	Glycated hemoglobin quality control product			
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				



5.8 Other Quality Control Products

Item Nov.	Name	Model		Specification
		/	Mean range	
BDS-IQC-382	Macrogenome sequencing quality control product	S1	1.00×10 ³ ~1.00×10 ⁴ copies/mL	1ml/tube, 5 tubes/box
BDS-IQC-285	Serum/Plasma negative quality control product	negative	Applicable in serum and plasma of HBV DNA/HCV RNA/HIV1 RNA/TP DNA etc. negative quality control products.	0.5mL/tube, 20 tubes/box
BDS-IQC-161	negative quality control product	negative	Applicable in UU DNA/CT DNA /NGH DNA negative quality control products.	0.5mL/tube, 20 tubes/box
BDS-IQC-151-1	HPV negative quality control product	negative	Applicable to all strains of human papilloma negative quality control products with human genome.	0.5mL/tube, 20 tubes/box
BDS-I-228	Water-soluble vitamin/folic acid/homocysteine metabolic mixed quality control product		Waiting for listing in (Please consult sales for details)	
BDS-I-229	Immunosuppressant complex quality control product			
BDS-I-230	Multiplexed analysis of bile acids quality control product			
BDS-I-231	Fat-soluble vitamins (A/D/E/K1) analyte quality control product			
BDS-I-232	Multiple analysis of amino acids quality control product			
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				



6 Proficiency Testing Materials (Verification Panel)



Item Nov.	Name
BDS-CKP-002	Hepatitis B virus DNA (HBV DNA) serum (liquid) performance reference materials
BDS-CKP-003	Hepatitis C virus ribonucleic acid (HCV RNA) serum (liquid) performance reference materials
BDS-CKP-032	Human immunodeficiency virus type 1 nucleic acid (HIV-1 RNA) serum (liquid) performance reference materials
BDS-CKP-012	Blood-borne screening for hepatitis B virus nucleic acid (HBV DNA) serum (liquid) performance reference materials
BDS-CKP-036	Blood-borne screening for hepatitis C virus nucleic acid (HCV RNA) serum (liquid) performance reference materials
BDS-CKP-037	Blood-borne screening for human immunodeficiency virus type I nucleic acid (HIV-1 RNA) serum (liquid) performance reference materials
BDS-CKP-030	Hepatitis B virus nucleic acid (HBV DNA) /hepatitis C virus nucleic acid (HCV RNA) /human immunodeficiency virus type 1 nucleic acid (HIV-1 RNA) system performance validation panel
BDS-CKP-031	Hepatitis B virus nucleic acid (HBV DNA) /hepatitis C virus nucleic acid (HCV RNA) /human immunodeficiency virus type 1 nucleic acid (HIV-1 RNA) analysis sensitivity validation panel
BDS-CKP-007	Chlamydia trachomatis DNA (CT DNA) liquid performance reference material
BDS-CKP-001	Ureaplasma urealyticum DNA (UU DNA) liquid performance reference materials
BDS-CKP-009	Gonococcus DNA (NGH DNA) liquid performance reference materials
BDS-CKP-010	Human cytomegalovirus DNA (HCMV DNA) liquid performance reference materials
BDS-CKP-011	EB virus DNA (EBV DNA) liquid performance reference materials
BDS-CKP-020	Mycobacterium tuberculosis DNA (TB DNA) liquid performance reference materials
BDS-CKP-008	Mycoplasma pneumoniae DNA (MP DNA) liquid performance reference materials
BDS-CKP-004	Human papillomavirus typing DNA (HPV DNA) liquid performance reference materials
BDS-CKP-005	EGFR mutation reference materials
BDS-CKP-006	KRAS mutation reference materials
BDS-CKP-015	Influenza virus nucleic acid proficiency testing materials
BDS-CKP-040	Influenza A virus nucleic acid proficiency testing materials
BDS-CKP-041	Influenza B virus nucleic acid proficiency testing materials
BDS-CKP-016	Hand, foot and mouth virus nucleic acid proficiency testing materials
BDS-CKP-018	Alpha/beta thalassemia gene diagnostic serum (liquid) proficiency testing material
BDS-CKP-019	Group B Streptococcus DNA liquid performance reference materials
BDS-CKP-034	Novel coronavirus (SARS-CoV-2) nucleic acid proficiency testing material
BDS-CKP-035	Novel coronavirus (SARS-CoV-2) nucleic acid proficiency testing material (4 tubes/set)
BDS-CKP-042	corona virus (SARS-CoV-2) Nucleic acid quantitative assay reference product
BDS-CKP-038	Multiple respiratory pathogens nucleic acid proficiency testing materials
BDS-CKP-039	Monkey pox nucleic acid proficiency testing materials
BDS-CKP-201	Hepatitis B virus surface antigen (HBsAg) testing serum (liquid) proficiency testing materials
BDS-CKP-202	Hepatitis B virus surface antibody (HBsAb) testing serum (liquid) proficiency testing materials
BDS-CKP-203	Hepatitis B virus E antigen (HBeAg) testing serum (liquid) proficiency testing material
BDS-CKP-204	Hepatitis B virus E antibody (HBeAb) testing serum (liquid) proficiency testing materials
BDS-CKP-205	Hepatitis B virus core antibody (HBcAb) testing serum (liquid) proficiency testing materials
BDS-CKP-206	Hepatitis C virus antibody (anti HCV) testing serum (liquid) proficiency testing materials
BDS-CKP-207	Human immunodeficiency virus type 1 antibody (anti HIV-1) testing serum (liquid) proficiency testing materials
BDS-CKP-208	Syphilis spirochete antibody (anti-TP) antibody testing serum (liquid) proficiency testing materials
BDS-CKP-209	Blood source screening HBsAg/anti HCV/anti HIV-1/anti TP testing serum (liquid) proficiency testing materials
BDS-CKP-210	corona virus antigen testing proficiency testing material
BDS-CKP-044	Hepatitis B virus nucleic acid (HBV DNA) /hepatitis C virus nucleic acid (HCV RNA) /human immunodeficiency virus type 1 nucleic acid (HIV-1 RNA) serum (liquid) proficiency testing material
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.	



7 Clinical Testing Center External Quality Assessment Products

Item No.	Name	Specification
BDS-EQA-001	Hepatitis B virus deoxyribonucleic acid (HBV DNA) serum (liquid) external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-002	Hepatitis C virus ribonucleic acid (HCV RNA) serum (liquid) external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-046	Human immunodeficiency virus type 1 ribonucleic acid (HIV-1 RNA) serum (liquid) external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-003	Chlamydia trachomatis deoxyribonucleic acid (CT DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-004	Urea urealyticum deoxyribonucleic acid (UU DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-005	Gonococcal deoxyribonucleic acid (NGH DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-006	Human papillomavirus (HPV) typed deoxyribonucleic acid liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-007	Human papillomavirus type 16 deoxyribonucleic acid (HPV16 DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-008	Human papillomavirus type 18 deoxyribonucleic acid (HPV18 DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-009	Human papillomavirus 16 and 18 deoxyribonucleic acid liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-013	Human papillomavirus type 6 deoxyribonucleic acid (HPV6 DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-014	Human papillomavirus type 11 deoxyribonucleic acid (HPV11 DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-010	Human papillomavirus 6 and 11 deoxyribonucleic acid liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-011	Herpes simplex virus type II deoxyribonucleic acid (HSV II DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-012	Mycoplasma pneumoniae deoxyribonucleic acid (MP DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-015	Human cytomegalovirus deoxyribonucleic acid (HCMV DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-016	Mycobacterium tuberculosis deoxyribonucleic acid (TB DNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-017	EBV DNA liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-018	Rubella virus ribonucleic acid (RV RNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-019	Non-invasive prenatal genetic testing: abnormal number of chromosomes 21, 13, 18 liquid external quality assessment product	0.7mL/tube; 5 tubes/box
BDS-EQA-020	Preimplantation aneuploidy chromosome detecton with liquid external quality assessment products	0.5mL/tube; 5 tubes/box
BDS-EQA-021	Alpha and beta ground-poor genotype liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-022	Blood-borne screening for HBV/HCV/HIV-1 viral nucleic acid liquid external quality assessment product	3.0mL/tube; 5 tubes/box
BDS-EQA-039	HBV deoxyribonucleic acid, HCV ribonucleic acid mixed serum (liquid) external quality assessment product	3.0mL/tube; 5 tubes/box

Item No.	Name	Specification
BDS-EQA-040	HBV deoxyribonucleic acid, HCV ribonucleic acid mixed serum (liquid) external quality assessment product	1.0mL/tube; 5 tubes/box
BDS-EQA-041	Deafness gene dried blood spots (DBS) external quality assessment product (9 mutation sites/blood spots)	5 blood spots/set
BDS-EQA-042	Phenylketonuria genetic dried blood spots (DBS) external quality assessment product	5 blood spots/set
BDS-EQA-043	NG/CT/UU hybrid qualitative nucleic acid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-067	NG/CT/TB hybrid nucleic acid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-050	Hand, foot and mouth EV71, CA16 virus nucleic acid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-051	Influenza virus nucleic acid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-052	Group B streptococcal nucleic acid external quality assessment products	0.5mL/tube; 5 tubes/box
BDS-EQA-068	Bacillus pertussis deoxyribonucleic acid liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-069	Norovirus ribonucleic acid (NV RNA) liquid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-053	EGFR gene mutation external quality assessment product	5 tubes/box
BDS-EQA-054	KRAS gene mutation external quality assessment product	5 tubes/box
BDS-EQA-055	BRAF gene mutation external quality assessment product	5 tubes/box
BDS-EQA-056	ROS1 gene mutation external quality assessment products	5 tubes/box
BDS-EQA-057	ALK gene mutation external quality assessment product	5 tubes/box
BDS-EQA-058	BRCA1/BRCA2 gene mutation external quality assessment product	5 tubes/box
BDS-EQA-059	PIK3CA gene mutation external quality assessment product	5 tubes/box
BDS-EQA-060	TP53 mutation external quality assessment product	5 tubes/box
BDS-EQA-061	NRAS mutation external quality assessment product	5 tubes/box
BDS-EQA-062	HRAS mutation external quality assessment product	5 tubes/box
BDS-EQA-063	KIT mutation external quality assessment product	5 tubes/box
BDS-EQA-064	Novel coronavirus ribonucleic acid external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-065	Multiplex nucleic acid assay for respiratory pathogens external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-023	Serological markers of infectious diseases external quality assessment product (HBV V + anti-HCV + anti-TP)	2.0mL/tube; 5 tubes/box
BDS-EQA-024	Tumor markers external quality assessment product	1.0mL/bottle, 5 bottles/box
BDS-EQA-025	Immunoendocrine external quality assessment product	2.0mL/tube; 5 tubes/box
BDS-EQA-026	Neonatal Genetic Metabolic Disease Screening external quality assessment product 1 (Blood Spot)	0.5mL/tube; 5 tubes/box
BDS-EQA-027	Neonatal Genetic Metabolic Disease Screening external quality assessment product 2 (Blood Spot)	0.5mL/tube; 5 tubes/box
BDS-EQA-029	Neonatal genetic metabolic disease tandem mass spectrometry screening external quality assessment product (blood spot)	0.5mL/tube; 5 tubes/box
BDS-EQA-030	Early pregnancy maternal serum prenatal screening external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-031	Mid-trimester maternal serum prenatal screening external quality assessment products	0.5mL/tube; 5 tubes/box
BDS-EQA-032	HBsAg/anti-HCV/anti-HIV-1/anti-TP blood collection facility external quality assessment product	2.0mL/tube; 5 tubes/box
BDS-EQA-033	EBV antibody serum (liquid) external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-036	Hepatitis B virus surface antigen (HBsAg) serum (liquid) external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-037	Hepatitis C virus antibody (anti-HCV) serum (liquid) external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-038	Human immunodeficiency virus type 1 antibody (anti-HIV-1) serum (liquid) external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-070	Anti-HCV/anti-HIV-1 serum (liquid) external quality assessment product	0.5mL/tube; 5 tubes/box
BDS-EQA-049	Syphilis spirochete (TP) antibody serum external quality assessment product	0.5mL/tube; 5 tubes/box

Item No.	Name	Specification
BDS-EQA-066	Novel coronavirus antigen assay external quality assessment products	0.5mL/tube; 5 tubes/box
BDS-EQA-071	Human acetaldehyde dehydrogenase 2 (ALDH2) gene polymorphism assay external quality assessment product	20μL/tube. 5 tubes/set
BDS-EQA-072	Warfarin CYP2C9 and VKORC1 gene polymorphism assay external quality assessment product	20μL/tube. 5 tubes/set
BDS-EQA-073	CYP2C19 gene polymorphism assay external quality assessment product	20μL/tube. 5 tubes/set
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.		





8 In Vitro Diagnostic Reagents

Item No.	Name	test principle/use	Specification
BDS-BCY-001	Sample Preservation Solution (Guangdong mechanical (No. 20160299))	Inactivation principle: guanidine salts denature proteins, dissolve proteins and cause the disappearance of protein secondary structure, leading to degradation of cell structure and rapid separation of nucleoproteins from nucleic acids. It can inactivate the freshly collected clinical samples by denaturing the proteins, which greatly reduces the risk of biological contamination during sampling, sample transfer and testing. Clinical samples are completely immersed in the preservation solution for 5 minutes to inactivate viruses/other microorganisms in the sample. Stability principle: guanidine salts not only have the effect of precipitating proteins, but also have the effect of inhibiting nucleases, thus ensuring that the released nucleic acids are not degraded. The nucleic acid protector in the composition can well protect the nucleic acid, especially the single-stranded RNA, so that the RNA can be preserved. It is a good protection for clinical samples that cannot be tested in time or samples that need to be transported long distances, and it can prevent the degradation of viral nucleic acids in the samples.	1mL/tube, 100 tubes/box
BDS-BCY-002			2mL/tube, 100 tubes/box
BDS-BCY-005			3mL/tube, 100 tubes/box
BDS-BCY-004			6mL/tube, 50 tubes/box
BDS-BCY-003			6mL/tube, 128 tubes/box
BDS-BCY-006			40mL/tube/bag
BDS-BCY-012			40mL/tube, 5 tubes/bag
BDS-BCY-013			200mL/bottle/bag
BDS-BCY-007			500mL/bottle/bag
BDS-BCY-011	Sample Preservation Solution (Guangdong mechanical (No. 20160298))	Stability principle: The main components have the effect of inhibiting nucleases, thus ensuring that the released nucleic acids are not degraded. It is a good protection for clinical specimens that cannot be tested in time or specimens that need to be transported long distances, and can prevent the degradation of viral nucleic acids in specimens.	1mL/tube, 100 tubes/box
BDS-BCY-014			2mL/tube, 100 tubes/box
BDS-BCY-015			3mL/tube, 100 tubes/box
BDS-BCY-016			6mL/tube, 50 tubes/box
BDS-BCY-017			6mL/tube, 128 tubes/box
BDS-BCY-018			40mL/tube/bag
BDS-BCY-019			40mL/tube, 5 tubes/bag
BDS-BCY-020			200mL/bottle/bag
BDS-BCY-021			500mL/bottle/bag
BDS-XSY-001	Sample Diluent (Guangdong mechanical (No. 20160305))	The principle is to inhibit RNase activity, which effectively protects the RNA from degradation, resulting in better dilution efficiency. It can be used for the dilution of samples such as serum, plasma or pathogen cultures .	1mL/tube, 100 tubes/box
BDS-XSY-002			2mL/tube, 100 tubes/box
BDS-XSY-003			3mL/tube, 100 tubes/box
BDS-XSY-004			6mL/tube, 50 tubes/box
BDS-XSY-005			6mL/tube, 128 tubes/box
BDS-XSY-006			40mL/tube/bag
BDS-XSY-007			40mL/tube, 5 tubes/bag
BDS-XSY-008			200mL/bottle/bag
BDS-XSY-009			500mL/bottle/bag
BDS-XSY-010	Sample Diluent (Guangdong mechanical (No. 20160303))	The principle is to inhibit DNase activity, which effectively protects the DNA from degradation, resulting in better dilution efficiency. It can be used for the dilution of samples such as DNA serum, plasma or pathogen cultures.	1mL/tube, 100 tubes/box
BDS-XSY-011			2mL/tube, 100 tubes/box
BDS-XSY-012			3mL/tube, 100 tubes/box
BDS-XSY-013			6mL/tube, 50 tubes/box
BDS-XSY-014			6mL/tube, 128 tubes/box
BDS-XSY-015			40mL/tube/bag
BDS-XSY-016			40mL/tube, 5 tubes/bag
BDS-XSY-017			200mL/bottle/bag
BDS-XSY-018			500mL/bottle/bag
BDS-BCY-008	Single-use sampler (Guangdong mechanical (No. 20200106))	The balanced salt solution in the sample preservation solution provides an environment that maintains its stable survival, facilitates the preservation of viral infectivity, and can help store viral particles in colloidal dispersions, reducing or inhibiting reactions that impair nucleic acids. Antibiotics have a broad-spectrum antibacterial effect.	20 servings/box
BDS-BCY-009			50 servings/box
BDS-BCY-010			100 servings/box

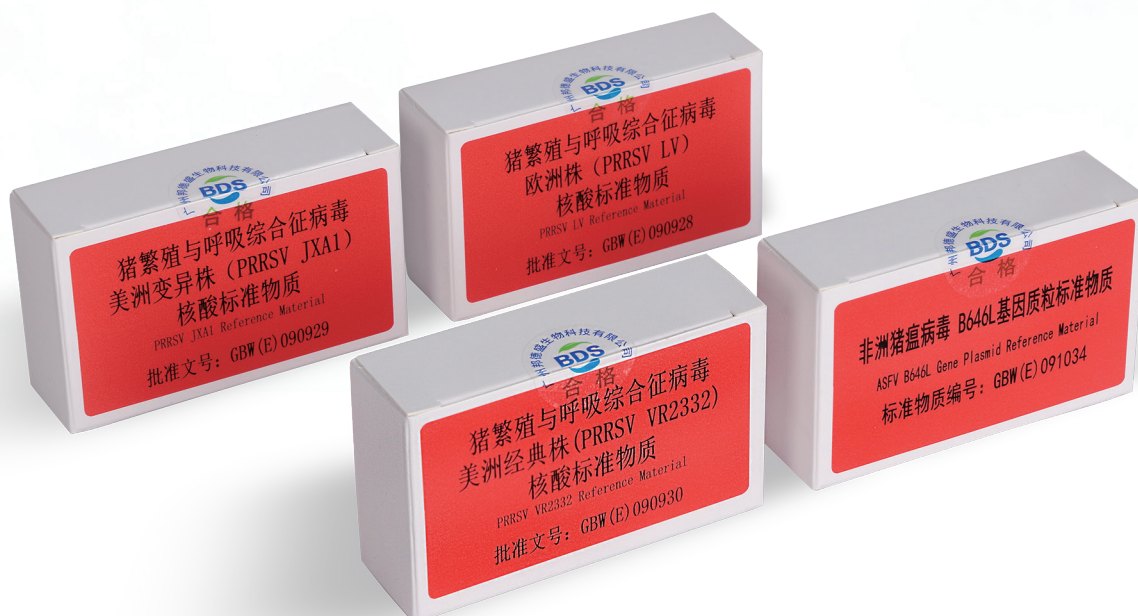
Item No.	Name	test principle/use	Specification
BDS-CYQ-001	Single-use sampler (Guangdong mechanical (No. 20210276)	<p>Inactivation principle: Guanidine thiocyanate in the sample preservation solution denatures proteins, dissolves proteins and causes the disappearance of protein secondary structure, leading to degradation of cell structure and rapid separation of nucleoproteins from nucleic acids. It can inactivate the freshly collected clinical samples by denaturing the proteins, which greatly reduces the risk of biological contamination during the sampling process, sample transfer process, and testing process. Inactivation time: clinical samples are completely immersed in the preservation solution for 5 minutes to inactivate viruses/other microorganisms in the sample.</p> <p>Stability principle: guanidine salts not only have the effect of precipitating proteins, but also have the effect of inhibiting nucleases, thus ensuring that the released nucleic acids are not degraded. It is a good protection for clinical samples that cannot be tested in time or samples that need to be transported long distances, and can prevent the degradation of viral nucleic acids in the samples.</p>	20 servings/box
BDS-CYQ-002			50 servings/box
BDS-CYQ-003			100 servings/box
BDS-SFJ-009	Sample Release Agent (Guangdong mechanical (No. 20200597)	<p>By denaturing the proteins of cells or viruses, the proteins are solubilized and the protein secondary structure is lost, resulting in the degradation of the cellular or viral structure and the rapid separation of nucleoproteins from nucleic acids. It can inactivate freshly collected clinical samples of pathogens by denaturing the proteins, which can rapidly release nucleic acids and protect them from degradation. Clinical samples of pathogens preserved in sample releasers can be directly used for PCR, real-time fluorescence PCR and other tests without heating or other nucleic acid extraction operations.</p>	0.5mL/tube, 100 tubes/box
BDS-SFJ-001			1mL/tube, 100 tubes/box
BDS-SFJ-002			2mL/tube, 100 tubes/box
BDS-SFJ-003			3mL/tube, 100 tubes/box
BDS-SFJ-004			5mL/tube, 50 tubes/box
BDS-SFJ-005			5mL/tube, 128 tubes/box
BDS-SFJ-006			6mL/tube, 50 tubes/box
BDS-SFJ-007			6mL/tube, 128 tubes/box
BDS-SFJ-008			40mL/tube, 5 tubes/bag
BDS-TQY-001	Nucleic acid extraction or purification reagents (Guangdong mechanical) (No. 20201476)	<p>The cells and viruses in the sample are lysed by the lysis solution to release nucleic acids, proteins and other impurities, of which the nucleic acids are selectively adsorbed on the surface of the magnetic beads, and the residual proteins, inorganic salt ions and organic impurities are subsequently removed by the action of the washing solution. Finally, the nucleic acids are eluted with the elution solution to obtain pure nucleic acids.</p> <p>It can be used in the extraction, enrichment and purification steps of nucleic acids. Its processed products are used for clinical in vitro assays.</p>	Pre-encapsulated: 32 reactions/box
BDS-TQY-002			Pre-encapsulated: 96 reactions/box
BDS-TQY-003			Large package: 100 reactions/box
BDS-TQY-004	Nucleic acid extraction or purification reagents (Guangdong mechanical) (No. 20211008)	<p>The cells and viruses in the sample are lysed by the lysis solution to release nucleic acids, proteins and other impurities, of which the nucleic acids are selectively adsorbed on the surface of the magnetic beads, and the residual proteins, inorganic salt ions and organic impurities are subsequently removed by the action of the washing solution. Finally, the nucleic acids are eluted with the elution solution to obtain pure nucleic acids.</p> <p>It can be used for nucleic acid extraction, enrichment and purification of FFPE samples.</p>	16 reactions/box



9 Animal Disease Quality Control Products

9.1 Animal Disease Class Reference Materials

Item No.	Name	Certificate Number	Reference Materials Values (copies/ μ L)	Specification
BDS-BW-084	European strain of porcine reproductive and respiratory syndrome virus (PRRSV LV) Nucleic acid reference materials	GBW (E) 090928	$(1.83 \pm 0.22) \times 10^4$	0.5mL/tube, 2 tubes/box
BDS-BW-085	American variant of porcine reproductive and respiratory syndrome virus (PRRSV JXA1) Nucleic acid reference materials	GBW (E) 090929	$(1.13 \pm 0.18) \times 10^4$	0.5mL/tube, 2 tubes/box
BDS-BW-086	Porcine Reproductive and Respiratory Syndrome Virus American Classic Strain (PRRSV VR2332) Nucleic acid reference materials	GBW (E) 090930	$(2.06 \pm 0.31) \times 10^4$	0.5mL/tube, 2 tubes/box
BDS-BW-087	African swine fever virus B646L gene plasmid reference materials	GBW (E) 091034	$(5.8 \pm 0.9) \times 10^3$	0.2mL/tube, 2 tubes/box
BDS-BW-088	Porcine Circovirus Type 1 (PCV1) Plasmid reference materials	GBW (E) 091245	$(1.3 \pm 0.3) \times 10^4$	0.2mL/tube, 2 tubes/box
BDS-BW-089	Porcine Circovirus Type 2 (PCV2) Plasmid reference materials	GBW (E) 091246	$(1.1 \pm 0.2) \times 10^4$	0.2mL/tube, 2 tubes/box
BDS-BW-120	Influenza A (H1N1) virus pseudovirus nucleic acid reference materials	GBW (E) 091257	$(6.0 \pm 1.5) \times 10^2$	1.0mL/tube. 5 tubes/box
BDS-BW-121	Influenza A H3N2 virus pseudovirus nucleic acid reference materials	GBW (E) 091258	$(6.5 \pm 1.5) \times 10^2$	1.0mL/tube. 5 tubes/box
BDS-BW-122	Influenza B (Victorian lineage) pseudovirus nucleic acid reference materials	GBW (E) 091259	$(6.9 \pm 1.4) \times 10^2$	1.0mL/tube. 5 tubes/box



9.2 Animal Disease Quality Control Products

Item No.	Name	Concentration Value		Specification
		Concentration	Range of Concentration Values	
BDS-IQC-1001	Porcine Reproductive and Respiratory Syndrome Virus European Strain Nucleic Acid (PRRSV LV RNA) Quality Control Products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1002		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1003		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1004	Porcine Reproductive and Respiratory Syndrome Virus American Variant Nucleic Acid (PRRSV JXA1 RNA) Quality Control Products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1005		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1006		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1067	Porcine Reproductive and Respiratory Syndrome Virus American Classic Bead Nucleic Acid (PRRSV VR2332 RNA) Quality Control Products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1068		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1069		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1007	FMDV Type A/O/Asia-1 Nucleic Acid Quality Control Products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1008		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1009		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1010	Porcine streptococcal nucleic acid (SUIS DNA) quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1011		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1012		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1013	Mycoplasma porcine nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1014		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1015		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1016	African swine fever virus B646L gene plasmid quality control products	High value (S3)	1.00×10 ⁶ ~1.00×10 ⁷ copies/mL	0.2mL/tube
BDS-IQC-1017		Median value (S2)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.2mL/tube
BDS-IQC-1018		Low value (S1)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.2mL/tube
BDS-IQC-1019	Porcine microvirus nucleic acid (PPV DNA) quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1020		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1021		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1082	Porcine circovirus type 1 nucleic acid (PCV1 DNA) quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1083		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1084		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1022	Porcine circovirus type 2 nucleic acid (PCV 2 DNA) quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1023		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1024		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1025	Porcine pseudorabies virus nucleic acid (PRV DNA) quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1026		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1027		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1028	Porcine Salmonella nucleic acid (SER DNA) quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1029		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1030		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1031	Porcine Pasteurella multocida nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1032		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1033		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1034	Porcine infectious gastroenteritis, porcine epidemic diarrhea virus nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1035		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1036		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1037	Porcine B encephalitis virus Nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1038		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1039		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube

9.2 Animal Disease Quality Control Products(continued)

Item No.	Name	Concentration Value		Specification
		Concentration	Range of Concentration Values	
BDS-IQC-1046	Newcastle disease virus nucleic acid (NDV RNA) quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1047		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1048		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1049	Fowl infectious bursal virus (IBD RNA) Nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1050		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1051		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1052	Chicken Malik's disease turkey herpesvirus (MDV DNA) Nucleic Acid Quality Control Products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1053		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1054		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1055	Rabies virus nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1056		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1057		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1058	Clostridium difficile (fastidious disease, sudden snipe, enterotoxemia) nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1059		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1060		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1061	Goat pox virus nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1062		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1063		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1064	Goat infectious pleurisy nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1065		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1066		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1076	Universal Influenza Virus Quality Control Products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1077		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1078		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1079	Porcine pseudorabies virus (PRV) plasmid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1080		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1081		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1085	African swine fever virus (ASFV) nucleic acid quality control products	High value (S3)	1.00×10 ⁶ ~1.00×10 ⁷ copies/mL	0.5mL/tube
BDS-IQC-1086		Median value (S2)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1087		Low value (S1)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1088	Swine fever virus nucleic acid (CSFV RNA) quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1089		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1090		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1040	Avian influenza virus subtype H5 (AIV-H5) nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1041		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1042		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1073	Avian influenza virus H7 subtype (AIV-H7) nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1074		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1075		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1043	Avian influenza virus subtype H9 (AIV-H9) nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1044		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1045		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1091	Avian influenza virus H5/ H7/ H9 universal nucleic acid quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1092		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1093		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube

9.2 Animal Disease Quality Control Products(continued)

Item No.	Name	Concentration Value		Specification
		Concentration	Range of Concentration Values	
BDS-IQC-1094	Canine distemper virus/canine microvirus/ canine parainfluenza virus/canine adenovirus type 2 nucleic acid quality control productNucleic acid quality control products	/	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS-IQC-1095	Sheep brucella nucleic acid liquid internal quality control products	High value (S3)	1.00×10 ⁵ ~1.00×10 ⁶ copies/mL	0.5mL/tube
BDS-IQC-1096		Median value (S2)	1.00×10 ⁴ ~1.00×10 ⁵ copies/mL	0.5mL/tube
BDS-IQC-1097		Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
BDS- IQC-1098-1001	African swine fever virus I177L gene pseudovirus liquid internal quality control products	Low value (S1)	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				

9.3 Animal Disease Class External Quality Assessment Products

Item No.	Name	Specification
BDS-EQA-1001	Nucleic acid external quality assessment product of highly pathogenic porcine reproductive and respiratory syndrome virus European strain (PRRSV LV)	0.5mL/tube, 6 tubes/set
BDS-EQA-1002	Nucleic acid external quality assessment product of highly pathogenic porcine reproductive and respiratory syndrome virus American variant (PRRSV JXA1)	0.5mL/tube, 6 tubes/set
BDS-EQA-1003	Nucleic acid external quality assessment product of highly pathogenic porcine reproductive and respiratory syndrome virus, American reference materials strain (PRRSV VR2332)	0.5mL/tube, 6 tubes/set
BDS-EQA-1004	Foot-and-mouth disease virus (FMDV) type A/O/Asia-1 nucleic acid external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1005	Streptococcus suis nucleic acid (SUIS DNA) external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1007	African swine fever virus external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1008	Porcine microvirus nucleic acid (PPV DNA) external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1009	Porcine circovirus type 1 nucleic acid (PCV1 DNA) external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1010	Porcine circovirus type 2 nucleic acid (PCV2 DNA) external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1013	Swine infectious gastroenteritis, porcine epidemic diarrhea virus nucleic acid external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1015	Avian influenza virus subtype H5 (AIV-H5) nucleic acid external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1016	Avian influenza virus subtype H9 (AIV-H9) nucleic acid external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1017	Influenza H1N1 subtype ribonucleic acid liquid external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1018	Avian influenza virus H7 subtype (AIV-H7) nucleic acid external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1019	Newcastle disease virus nucleic acid (NDV RNA) external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1022	Rabies virus nucleic acid external quality assessment products	0.5mL/tube, 6 tubes/set
BDS-EQA-1026	Universal Influenza Virus external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1027	Porcine pseudorabies virus nucleic acid (PRV DNA) external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1028	Sheep peste des petits ruminants serum external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1029	Influenza H5N1 subtype nucleic acid external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1030	Porcine Clostridium perfringens nucleic acid external quality assessment products	0.5mL/tube, 6 tubes/set
BDS-EQA-1031	Porcine Pasteurella multocida nucleic acid external quality assessment product	0.5mL/tube, 6 tubes/set
BDS-EQA-1032	Mycoplasma mycoplasma nucleic acid external quality assessment product in pigs	0.5mL/tube, 6 tubes/set
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.		



10 Product Clusters

10.1 Blood-borne Screening Quality Control Products

10.1.1. HBV /HCV/HIV-1 Nucleic Acid Serum (liquid) Reference Materials

Item No.	Detection System	Detection Mode	Concentration Value (IU/mL)			Sample Loading Capacity	Products Specifications
			HBV DNA	HCV RNA	HIV-1 RNA		
BDS-IQC-053-1	Roche (Generation)	Single test	50	50	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-2		Mixed test (6 mixed)	200	1000	1000	1.5mL/tube	6 tubes/set (3 tubes positive + 3 tubes negative)
BDS-IQC-053-3	Roche (Second generation)	Single test	50	50	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-4		Mixed test (6 mixed)	50	200	1000	1.5mL/tube	6 tubes/set (3 tubes positive + 3 tubes negative)
BDS-IQC-053-5	Grifols	Single test	30	30	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-6	Daan Gene	Mixed test (8 mixed)	500	2000	2000	1.5mL/tube	8 tubes/set (3 tubes positive + 5 tubes negative)
BDS-IQC-053-7		Single test	50	200	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-8	Beijing Wantai	Mixed test (6 mixed)	500	2000	2000	1.5mL/tube	6 tubes/set (3 tubes positive + 3 tubes negative)
BDS-IQC-053-9		Single test	50	200	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-10	Shanghai Kehua	Mixed test (8 mixed)	500	2000	2000	1.5mL/tube	8 tubes/set (3 tubes positive + 5 tubes negative)
BDS-IQC-053-12		Single test	50	200	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-13	Huayimei	Mixed test (8 mixed)	500	2000	2000	1.5mL/tube	8 tubes/set (3 tubes positive + 5 tubes negative)
BDS-IQC-053-14		Single test	50	200	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-15	Shanghai Haoyuan	Mixed test (8 mixed)	500	2000	2000	1.5mL/tube	8 tubes/set (3 tubes positive + 5 tubes negative)
BDS-IQC-053-16		Single test	50	200	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-24	Hunan Shengxiang	Mixed test (6 mixed)	50	200	1000	1.5mL/tube	6 tubes/set (3 tubes positive + 3 tubes negative)



10.1.2. HBV/HCV/HIV-1 Nucleic Acid Mixed Serum Reference materials

Item No.	Number	Concentration Value (IU/mL)			Products Specifications
		HBV DNA	HCV RNA	HIV-1 RNA	
BDS-BW-102	GBW (E) 090973	$(3.4 \pm 1.1) \times 10$	$(3.3 \pm 1.2) \times 10$	$(2.1 \pm 0.6) \times 10^2$	1.5mL/tube 20 tubes/box
BDS-BW-103	GBW (E) 090974	$(5.5 \pm 1.4) \times 10$	$(5.4 \pm 1.5) \times 10$	$(2.1 \pm 0.5) \times 10^2$	1.5mL/tube 20 tubes/box
BDS-BW-104	GBW (E) 090975	$(5.2 \pm 1.3) \times 10$	$(2.2 \pm 0.5) \times 10^2$	$(2.2 \pm 0.5) \times 10^2$	1.5mL/tube 20 tubes/box
BDS-BW-105	GBW (E) 090976	$(2.1 \pm 0.4) \times 10^2$	$(1.2 \pm 0.3) \times 10^3$	$(1.1 \pm 0.2) \times 10^3$	1.5mL/tube 20 tubes/box
BDS-BW-106	GBW (E) 090977	$(5.1 \pm 0.8) \times 10^2$	$(2.1 \pm 0.4) \times 10^3$	$(2.2 \pm 0.4) \times 10^3$	1.5mL/tube 20 tubes/box

10.1.3. Blood-borne Screening HBV/HCV/HIV-1 Nucleic Acid Serum (liquid) Internal Quality Control Products

Item No.	Concentration Value (IU/mL)			Sample Loading Capacity	Product Specifications
	HBV DNA	HCV RNA	HIV-1 RNA		
BDS-IQC-053-25	10	30	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-26	20	20	100	1.0mL/tube	3 tubes/set
BDS-IQC-053-27	30	30	200	1.0mL/tube	3 tubes/set
BDS-IQC-053-28	50	50	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-29	50	200	200	1.5mL/tube	3 tubes/set
BDS-IQC-053-30	50	200	1000	1.0mL/tube	6 tubes/set (3 tubes positive + 3 tubes negative)
BDS-IQC-053-31	500	2000	2000	1.0mL/tube	8 tubes/set (3 tubes positive + 5 tubes negative)
BDS-IQC-053-32	The concentration and parameter specifications can be customized according to specific needs.				

10.1.4. Blood-borne Screening HBV/HCV/HIV-1 Nucleic Acid Mixed Serum (liquid) Internal Quality Control Products

Item No.	Concentration Value (IU/mL)			Products Specifications
	HBV DNA	HCV RNA	HIV1 RNA	
BDS-IQC-053-17	30	30	200	1.5mL/tube 20 tubes/box
BDS-IQC-053-18	50	50	200	1.5mL/tube 20 tubes/box
BDS-IQC-053-19	50	200	200	1.5mL/tube 20 tubes/box
BDS-IQC-053-20	50	200	1000	1.5mL/tube 20 tubes/box
BDS-IQC-053-21	200	1000	1000	1.5mL/tube 20 tubes/box
BDS-IQC-053-22	500	2000	2000	1.5mL/tube 20 tubes/box
BDS-IQC-053	500	2500	2500	1.0mL/tube 20 tubes/box
BDS-IQC-053-23	The concentration and parameter specifications can be customized according to specific needs..			

10.1.5. HBsAg/anti-HCV/anti-HIV-1/anti-TP Mixed Serum Reference Materials

(Specifications: 3.0mL/tube 20 tubes/box)

Item No.	Number	Concentration Value							
		HBsAg IU/mL		Anti-HIV-1 NCU/mL		Anti-TP mIU/mL		Anti-HCV NCU/mL	
		Reference Materials value	Uncertainty	Reference Materials value	Uncertainty	Reference Materials value	Uncertainty	Reference Materials value	Uncertainty
BDS-BW-112	GBW (E) 090986	0.21	0.08	0.2	0.06	3.1	1.2	0.21	0.07
BDS-BW-113	GBW (E) 090987	0.20	0.08	0.47	0.12	5.9	1.8	0.52	0.14
BDS-BW-114	GBW (E) 090988	0.50	0.09	0.52	0.13	6.3	1.8	0.51	0.14
BDS-BW-115	GBW (E) 090989	0.51	0.09	1.00	0.20	11.9	3.3	1.20	0.13
BDS-BW-116	gbw (e) 090990	0.51	0.09	2.04	0.27	12.4	3.4	2.04	0.17

10.1.6. Blood-borne Screening HBsAg/anti-HCV/anti-HIV-1/anti-TP Mixed Serum (liquid) Internal Quality Control Products

Item No.	Number	Concentration value				Specification
		HBsAg (IU/mL)	Anti- HCV (NCU/mL)	Anti-HIV-1 (NCU/mL)	Anti-TP (mIU/mL)	
BDS-I-211-1	L1	0.15	0.03	0.2	3.0	0.5mL/tube, 20 tubes/box
BDS-I-211-2	L2	0.15	0.05	0.2	3.0	0.5mL/tube, 20 tubes/box
BDS-I-211-3	L3	0.2	0.05	0.5	3.0	0.5mL/tube, 20 tubes/box
BDS-I-211-4	L4	0.2	0.5	0.5	3.0	0.5mL/tube, 20 tubes/box
BDS-I-211-5	L5	0.5	0.05	0.5	3.0	0.5mL/tube, 20 tubes/box
BDS-I-211-6	L6	0.2	0.05	0.5	6.0	1.0mL/tube, 20 tubes/box
BDS-I-211-7	L7	0.2	0.5	0.5	6.0	1.0mL/tube, 20 tubes/box
BDS-I-211-8	L8	0.5	0.05	0.5	6.0	1.0mL/tube, 20 tubes/box
BDS-I-211-9	L9	0.2	0.05	0.5	6.0	2.0 mL/tube, 20 tubes/box 3.0 mL/tube, 20 tubes/box
BDS-I-211-10	L10	0.2	0.5	0.5	6.0	2.0 mL/tube, 20 tubes/box 3.0 mL/tube, 20 tubes/box
BDS-I-211-11	L11	0.5	0.05	0.5	6.0	2.0 mL/tube, 20 tubes/box 3.0 mL/tube, 20 tubes/box
BDS-I-211-12	L12	The concentration and parameter specifications can be customized according to specific needs.				

10.1.7. Blood-borne Screening HBsAg/anti-HCV/anti-HIV-1/anti-TP Serum (liquid) Internal Quality Control Products

Item No.	Name	Concentration number	Concentration value	Specification
BDS-I-001	Hepatitis B virus surface antigen (HBsAg) serum (liquid) internal quality control products	S1	0.1 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-002		S2	0.2 IU/mL	0.5mL/tube, 20 tubes/box
BDS-I-003		S3	0.5 IU/mL	0.5mL/tube, 20 tubes/box

10.1.7. Blood-borne Screening HBsAg/anti-HCV/anti-HIV-1/anti-TP Serum (liquid) Internal Quality Control Products(continued)

Item No.	Name	Concentration number	Concentration value	Specification
BDS-I-036	human immunodeficiency virus (HIV) Type 1 antibody (anti-HIV-1) Serum (liquid) internal quality control products	L1	0.2 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-035		S0	0.5 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-219	Hepatitis C virus antibody (anti-HCV) serum (liquid) internal quality control products	L2	0.03 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-220		L1	0.05 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-034		S0	0.5 NCU/mL	0.5mL/tube, 20 tubes/box
BDS-I-030	Syphilis spirochete antibody (anti-TP) Serum (liquid) internal quality control products	S1	3.0 mIU/mL	0.5mL/tube, 20 tubes/box
BDS-I-031		S2	6.0 mIU/mL	0.5mL/tube, 20 tubes/box
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				

10.1.8. Blood Sieve Series Proficiency Testing (Verification Panel)

Item No.	Name
BDS-CKP-012	Blood-borne screening hepatitis B virus nucleic acid (HBV DNA) serum (liquid) proficiency testing
BDS-CKP-036	Blood-borne screening hepatitis C virus nucleic acid (HCV RNA) serum (liquid) proficiency testing
BDS-CKP-037	Blood-borne screening human immunodeficiency virus type I nucleic acid (HIV-1 RNA) serum (liquid) proficiency testing
BDS-CKP-030	Hepatitis B virus nucleic acid (HBV DNA) /hepatitis C virus nucleic acid (HCV RNA) /human immunodeficiency virus type 1 nucleic acid (HIV-1 RNA) system performance verification panel
BDS-CKP-031	Hepatitis B virus nucleic acid (HBV DNA) /hepatitis C virus nucleic acid (HCV RNA) /human immunodeficiency virus type 1 nucleic acid (HIV-1 RNA) analysis sensitivity verification panel
BDS-CKP-044	Hepatitis B virus nucleic acid (HBV DNA) /hepatitis C virus nucleic acid (HCV RNA) /human immunodeficiency virus type 1 nucleic acid (HIV-1 RNA) serum (liquid) proficiency testing
BDS-CKP-201	Hepatitis B virus surface antigen (HBsAg) test serum (liquid) proficiency testing
BDS-CKP-206	Hepatitis C virus antibody (anti-HCV) test serum (liquid) proficiency testing
BDS-CKP-207	Human immunodeficiency virus type 1 antibody (anti-HIV-1) test serum (liquid) proficiency testing
BDS-CKP-208	Syphilis spirochete antibody (anti-TP) test serum (liquid) proficiency testing
BDS-CKP-209	Blood source screening HBsAg/anti-HCV/anti-HIV-1/anti-TP test serum (liquid) proficiency testing
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.	

10.1.9. Blood Screening Series of External Quality Assessment Reference Materials

Item No.	Name
BDS-EQA-022	Blood-borne screening for HBV/HCV/HIV-1 viral nucleic acid liquid external quality assessment product
BDS-EQA-001	Hepatitis B virus deoxyribonucleic acid (HBV DNA) serum (liquid) external quality assessment product
BDS-EQA-002	Hepatitis C virus ribonucleic acid (HCV RNA) serum (liquid) external quality assessment product
BDS-EQA-046	Human immunodeficiency virus type 1 ribonucleic acid (HIV-1 RNA) serum (liquid) external quality assessment product
BDS-EQA-032	HBsAg/anti-HCV/anti-HIV-1/anti-TP blood collection facility external quality assessment product
BDS-EQA-036	Hepatitis B virus surface antigen (HBsAg) serum (liquid) external quality assessment product

10.1.9. Blood Screening Series of External Quality Assessment Reference Materials (continued)

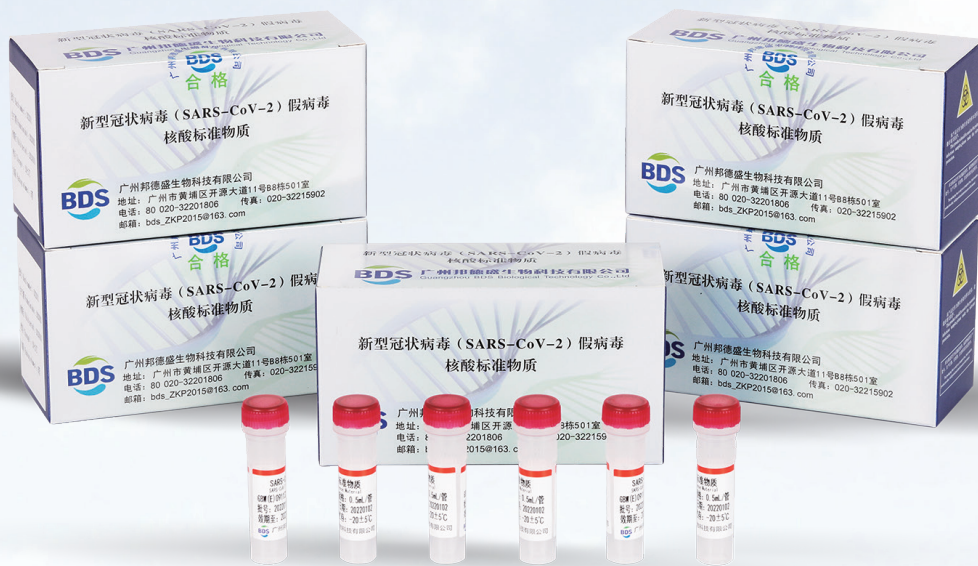
Item No.	Name
BDS-EQA-037	Hepatitis C virus antibody (anti-HCV) serum (liquid) external quality assessment product
BDS-EQA-038	Human immunodeficiency virus type 1 antibody (anti-HIV-1) serum (liquid) external quality assessment product
BDS-EQA-049	Syphilis spirochete antibody (anti-TP) serum (liquid) external quality assessment product
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed!	



10.2 Novel Coronavirus (SARS-CoV-2) Nucleic Acid Quality Control Products

- ① Source: Inactivated pseudovirus with full sequence (containing the full length of ORF1ab, N, E, S and M genes) , non-infectious, no biosafety risk;
- ② Scope of application: independent and objective third-party quality control products, applicable to different detection platforms, different detection methodologies, applicable to all manufacturers' kits. including FQ-PCR, thermostatic amplification technology, RNA capture probe method, sequencing method and other methodologies;
 - (iii) The quality control products needs to be involved in nucleic acid extraction and can provide quality control of the whole process of experimental operation;
 - (iv) The ddPCR method assigns a value that is traceable to the base unit "1" of the number of entities that can be used as the base unit of any of the quantitative systems;

- ⑤ Liquid matrix plasmid to reduce the uncertainty caused by re-solubilization, stable quality and products validity of more than 1 year;
- ⑥ reference materials: It belongs to national secondary reference materials, reference materials number GBW (E) 091132/ GBW (E) 091133.
- (7) Negative quality controls for external quality assessment items were designed with specific reference items, specific reference items such as: SARS RNA, MERS RNA, human coronavirus (HCoV RNA) pseudovirus, influenza virus and other analytes.



10.2.1、National Secondary Reference Materials

Item No.	Product Name	Reference materials number	Concentration mean value	Specification	Product Use
BDS-BW-117	Novel coronavirus (SARS-CoV-2) pseudo virus nucleic acid reference materials	GBW (E) 091132	ORF1ab gene: (2.0±0.4) ×10 ² copies/μL	0.5mL/tube. 5 tubes/box	Can be used for value transfer; calibration, test devices; performance evaluation and control test methods; in-room quality control; inter-room quality control
			N gene: (2.0±0.4) ×10 ² copies/μL		
BDS-BW-118		GBW (E) 091133	E gene: (2.1±0.4) ×10 ² copies/μL	0.5mL/ 管, 5 管 / 盒	
	ORF1ab gene: (2.1±0.4) ×10 ³ copies/μL				
	N gene: (2.0±0.4) ×10 ³ copies/μL				
			E gene: (2.1±0.4) ×10 ³ copies/μL		

10.2.2. Internal Quality Control (IQC)

Item No.	Product Name	Concentration number	Concentration (copies/mL)	Specification	Product Use
BDS-IQC-367	2019 Novel Coronavirus Ribonucleic Acid (2019-nCoV RNA) Liquid internal Quality Control Products	L2	$1.2 \times 10^2 \sim 5.0 \times 10^2$ copies/mL	0.5mL/tube 20 tubes/box	Applicable to kit detection limit 100-200copies/mL
BDS-IQC-305		L1	$2.5 \times 10^2 \sim 1.0 \times 10^3$ copies/mL	0.5mL/tube 20 tubes/box	Applicable to kit detection limit 200-300copies/mL
BDS-IQC-304		S0	$5.0 \times 10^2 \sim 2.0 \times 10^3$ copies/mL	0.5mL/tube 20 tubes/box	Applicable to kit detection limit: 350-500copies/mL
BDS-IQC-276		S1 (Low value)	$7.5 \times 10^2 \sim 3.0 \times 10^3$ copies/mL	0.5mL/tube 20 tubes/box	Applicable to kit detection limit: 500-1000copies/mL
BDS-IQC-275		S2 (Median)	$5.0 \times 10^3 \sim 2.0 \times 10^4$ copies/mL	0.5mL/tube 20 tubes/box	/
BDS-IQC-303		S3 (negative)	Negative	0.5mL/tube 20 tubes/box	/
BDS-IQC-391	Novel coronavirus/influenza A virus/influenza B virus nucleic acid mix internal quality control product	L-1	$2.5 \times 10^2 \sim 1.0 \times 10^3$ copies/mL	0.5mL/tube 20 tubes/box	/
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.					

Mutation Series Quality Control Products

Item No.	Product name (mutant strain)	Concentration mean value (copies/mL)	Specification
BDS-IQC-306	Novel coronavirus B.1.1.7 mutant strain nucleic acid liquid internal quality control products	1.00×10 ³ ~1.00×10 ⁴ copies/mL	0.5mL/tube, 20 tubes/box
BDS-IQC-306-1	Novel coronavirus B.1.351 mutant strain nucleic acid liquid quality control products		
BDS-IQC-306-2	Novel coronavirus P.1 mutant nucleic acid liquid quality control products		
BDS-IQC-306-3	Novel coronavirus B.1.617 mutant strain nucleic acid liquid quality control products		
BDS-IQC-306-4	Liquid nucleic acid quality control products for a novel coronavirus Omicron mutant strain		
BDS-IQC-306-5	Liquid nucleic acid quality control products for a novel coronavirus Delta mutant strain		
BDS-IQC-306-6	Liquid nucleic acid quality control products for a novel coronavirus Omicron BA.2 subtype mutant strain		
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.			

Immunoseries Quality Control Products

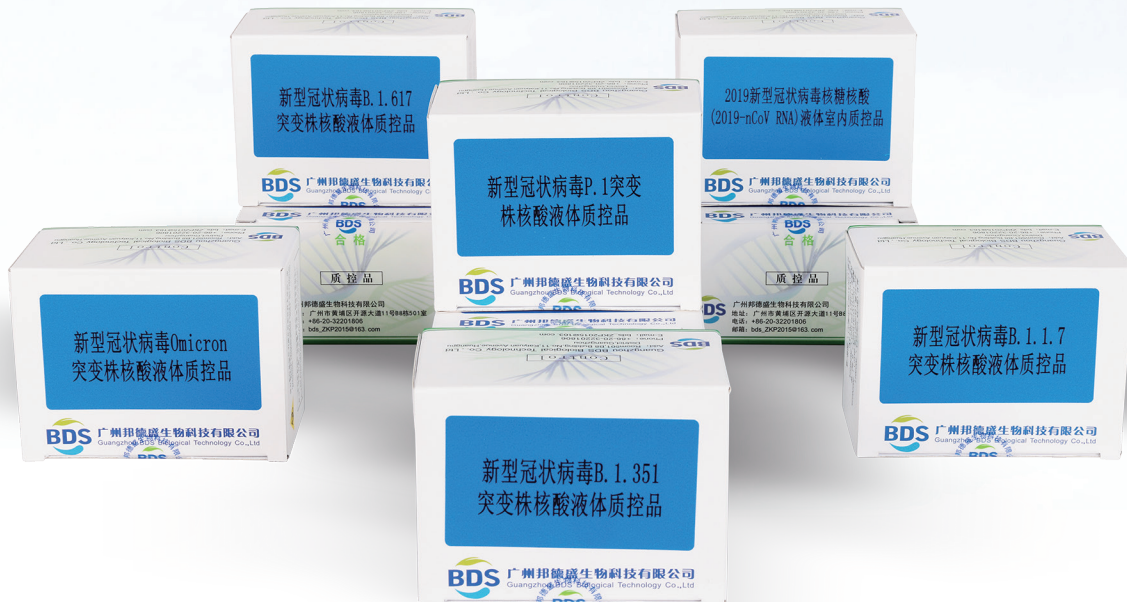
Item No.	Product Name	Specification
BDS-I-217	Novel coronavirus (SARS-CoV-2) antigen liquid internal quality control product	0.5mL/tube, 20 tubes/box
BDS-I-218	Novel coronavirus (SARS-CoV-2) IgG/IgM antibody liquid internal quality control product	
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.		

10.2.3、 External Quality Control/blind Sample Quality Assessment (EQA)

Item No.	Product Name	Specification	Product Composition	Product Use
BDS-EQA-064	Novel coronavirus ribonucleic acid external quality assessment products	0.5mL/tube, 5 tubes/box	Including positive test samples, negative test samples	Can be used for inter-laboratory quality assessment
BDS-EQA-066	Novel coronavirus antigen assay external quality assessment products	0.5mL/tube, 5 tubes/box		
Contact your salesperson for personalization on request!				

10.2.4、 Proficiency Testing (PT)

Item No.	Product Name	Specification	Product Composition	Product Use
BDS-CKP-035	Novel coronavirus (SARS-CoV-2) nucleic acid Test proficiency testing materials	0.5mL/tube 4 tubes/set	3 tubes of GBW (E) 091132 reference materials and 1 tube of 4mL sample diluent	Can be used for minimum detection limit verification and/or precision performance verification
BDS-CKP-034	Novel coronavirus (SARS-CoV-2) nucleic acid Test proficiency testing materials	1.0mL/tube 65 tubes/set	Including minimum detection limit validation, analytical specificity validation, precision validation and positive compliance rate (correctness validation) , interferer reference	Can be used for minimum detection limit verification, analytical specificity verification, precision verification and positive compliance (correctness verification) , and interfering substance verification
BDS-CKP-042	Novel coronavirus (SARS-CoV-2) quantitative nucleic acid test reference materials	6 tubes/set	2.0 x 10 ² copies/mL; 1.0 x 10 ³ copies/mL; 5.0 x 10 ³ copies/mL; 2.5 x 10 ⁴ copies/mL; 1.2 x 10 ⁵ copies/mL; 6.2 x 10 ⁵ copies/mL	Can be used to quantify nucleic acid of Novel coronavirus in wastewater
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				



10.3 Respiratory Pathogens Multiplex Nucleic Acid Detection Series of Products (hybrid / combination type)

- ① Source of raw material: inactivated cultures with no biosafety risk;
- ② Scope of application: Applicable to different detection platforms, different detection methodologies, and kits from all manufacturers. Including FQ-PCR, qPCR probes, digital PCR, thermostatic amplification, RNA capture probes, sequencing and other methodologies. Products are independent and objective that are not set up or optimized for a particular method or instrument, whose performance is completely independent of the reagent or kit lot number, and that provide an unbiased assessment of the assay system;
- ③ Participation in nucleic acid extraction: allows for quality control of the entire process of experimental operations;
- ④ Liquid matrix plasmids: reduced re-solubilization causing uncertainty, consistent performance in the assay compared to clinical samples, and no significant matrix effects;
- ⑤ Stable performance: special DNA/RNA type sample preservation diluent for preservation, products validity is stable for more than 1 year;
- ⑥ Provide personalized customization service: we can provide personalized customized products according to the detection of different combinations of respiratory pathogens.

10.3.1、Respiratory Pathogens Multiplex Nucleic Acid Test Internal Quality Control Products - Mixed Type

Item No.	Product Name	Number	Analyte composition	Specification
BDS-IQC-307	Respiratory pathogen multiplex nucleic acid assay quality control products (Mix 1)	A Tube	Influenza A virus Influenza B virus Respiratory syncytial virus types A and B	0.5mL/tube, 20 tubes/box (A, B 10 tubes each)
		B Tube	Adenovirus Rhinovirus Mycoplasma pneumoniae	
BDS-IQC-308	Respiratory pathogen multiplex nucleic acid assay quality control products (Mix 2)	A Tube	Influenza A virus Adenovirus Respiratory syncytial virus types A and B	
		B Tube	Human parainfluenza virus types 2 and 3 Influenza B virus	
BDS-IQC-309	Respiratory pathogen multiplex nucleic acid assay quality control products (Mix 3)	\	Influenza A virus (including H1N1, H3N2, etc.) Influenza B virus Respiratory syncytial virus types A and B Novel coronavirus	0.5mL/tube, 20 tubes/box

10.3.1、Respiratory Pathogens Multiplex Nucleic Acid Test Internal Quality Control Products - Mixed Type(continued)

Item No.	Product Name	Number	Analyte composition	Specification
BDS-IQC-310	Respiratory pathogen multiplex nucleic acid assay quality control products (Mix 4)	\	Human parainfluenza virus types 2 and 3 Adenovirus Respiratory syncytial virus types A and B	0.5mL/tube, 20 tubes/box
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				

10.3.2、Respiratory Pathogens Multiplex Nucleic Acid Test Internal Quality Control Products - Combination Type

Item No.	Product Name	Analyte composition	Number in box	Specification
BDS-IQC-311	Respiratory pathogen multiplex nucleic acid assay quality control products (Portfolio A)	Influenza A virus nucleic acid quality control products	1 Tube	0.5mL/tube 7 tubes/box
		Influenza B virus nucleic acid quality control products	1 Tube	
		Respiratory syncytial virus type A nucleic acid quality control products	1 Tube	
		Respiratory syncytial virus type B nucleic acid quality control products	1 Tube	
		Human parainfluenza virus nucleic acid (PIV1 RNA) quality control products	1 Tube	
		Human parainfluenza virus nucleic acid (PIV3 RNA) quality control products	1 Tube	
		Adenovirus nucleic acid (ADV DNA) quality control products	1 Tube	
BDS-IQC-312	Respiratory pathogen multiplex nucleic acid assay quality control products (Portfolio B)	Influenza A virus nucleic acid quality control products	1 Tube	0.5mL/tube 6 tubes/box
		Influenza B virus nucleic acid quality control products	1 Tube	
		Adenovirus Deoxyribonucleic Acid (ADV DNA) Quality Control Products	1 Tube	
		Rhinovirus nucleic acid quality control products	1 Tube	
		Respiratory syncytial virus nucleic acid quality control products	1 Tube	
		Mycoplasma pneumoniae nucleic acid (MP DNA) quality control products	1 Tube	
BDS-IQC-313	Respiratory pathogen multiplex nucleic acid assay quality control products (Portfolio C)	Influenza A virus nucleic acid quality control products	1 Tube	0.5mL/tube 7 tubes/box
		Influenza B virus nucleic acid quality control products	1 Tube	
		Respiratory syncytial virus type A nucleic acid quality control products	1 Tube	
		Respiratory syncytial virus type B nucleic acid quality control products	1 Tube	
		Novel coronavirus nucleic acid quality control products	1 Tube	
		H1N1 Influenza A Virus Nucleic Acid (H1N1 RNA) Quality Control	1 Tube	
		Influenza A H3N2 virus nucleic acid (H3N2 RNA) quality control products	1 Tube	

10.3.2、Respiratory Pathogens Multiplex Nucleic Acid Test Internal Quality Control Products - Combination Type(continued)

Item No.	Product Name	Analyte composition	Number in box	Specification
BDS-IQC-314	Respiratory pathogen multiplex nucleic acid assay quality control products (Portfolio D)	Human parainfluenza virus nucleic acid (PIV1 RNA) quality control products	1 Tube	0.5mL/tube 6 tubes/box
		Human parainfluenza virus nucleic acid (PIV2 RNA) quality control products	1 Tube	
		Human parainfluenza virus nucleic acid (PIV3 RNA) quality control products	1 Tube	
		Adenovirus nucleic acid (ADV DNA) quality control products	1 Tube	
		Respiratory syncytial virus type A nucleic acid quality control products	1 Tube	
		Respiratory syncytial virus type B nucleic acid quality control products	1 Tube	
Other projects are being continuously updated. Please contact the sales staff to provide you with personalized customization if needed.				



10.3.3、External Quality Control/blind Sample Quality Assessment (EQA)

Item No.	Product Name	Specification	Product Composition	Product Use
BDS-EQA-065	Multiplex nucleic acid assay for respiratory pathogens external quality assessment product	0.5mL/tube. 5 tubes/box	The pathogens are composed of different quality control products, including: positive, negative and specific quality controls.	Blind comparison of different laboratories for multiplex nucleic acid testing reagents for respiratory pathogens

Note: Customized products are available based on the detection of different combinations of respiratory pathogens.

10.3.4、Proficiency Testing (PT)

Item No.	Product Name	Specification	Product Composition	Product Use
BDS-CKP-038	Multiplex nucleic acid assay performance validation reference for respiratory pathogens	0.5mL/tube	Composition of quality control products for different pathogens, including: positive compliance, sensitivity (detection limit), specificity, precision Degree, interfering reference materials.	Performance validation and evaluation of multiplex nucleic acid detection reagents for respiratory pathogens

Note: Customized products are available based on the detection of different combinations of respiratory pathogens.



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