



# Product Catalogue

Molecular Biology Reagents and Kits

**2019**

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## qPCR Master Mix

### Probe-Based Hot Start qPCR Master Mix

Product Name	Catalog #
Probe AbTaq qPCR Mix	QM001
Probe AbTaq qPCR Mix (UDG)	QM002
Probe ChTaq qPCR Mix	QM003
Probe ChTaq qPCR Mix (UDG)	QM004

### Dye-Based Hot Start qPCR Master Mix

Product Name	Catalog #
SYBR Green AbTaq qPCR Mix	QM005
SYBR Green ChTaq qPCR Mix	QM006

## Probe-Based One Step RT-qPCR Master Mix & Kits

Product Name	Catalog #
Probe AbTaq One Step RT-qPCR Kit	RM001
Probe AbTaq One Step RT-qPCR Mix	RM002
Probe ChTaq One Step RT-qPCR Kit	RM003
Probe ChTaq One Step RT-qPCR Mix	RM004

## PCR & RT-PCR Enzymes

### Standard Enzymes

Product Name	Catalog #
Taq DNA Polymerase	EN001
TTH Polymerase	EN002
Anti Taq DNA Polymerase mAB	EN003

### Hot Start Enzymes

Product Name	Catalog #
Hot Start ChTaq DNA Polymerase	EN003
Hot Start AbTaq DNA Polymerase	EN004
Hot Start TTH Polymerase	EN005

### High Fidelity Enzymes

Product Name	Catalog #
High Fidelity Kofu DNA Polymerase	EN006
High Fidelity KOD DNA Polymerase	EN007

### Reverse Transcriptase

Product Name	Catalog #
M-MLV Reverse Transcriptase	EN008

## DNA & RNA Modifying Enzymes

### DNA & RNA Ligases

Product Name	Catalog #
E.coli DNA Ligase	ME001
T4 DNA Ligase	ME002
T4 RNA Ligase 1	ME003
T4 RNA Ligase 2	ME004

### Mesophilic DNA Polymerases

Product Name	Catalog #
E.coli DNA Polymerase	ME005
Klenow Fragment	ME006
Phi29 DNA Polymerase	ME007

### Kinases

Product Name	Catalog #
T4 Polynucleotide Kinase	ME008

### Nucleases

Product Name	Catalog #
DNase I	ME009
Benzonase	ME010

## RNases

Product Name	Catalog #
RNase H	ME011

## Other Enzymes

Product Name	Catalog #
Tn5 Transposase	ME012
Heat-labile UDG	ME013
RNase Inhibitor	ME014

## NGS Library Preparation Modules

Product Name	Catalog #
AIVDSeq DNA Fragmentation Module	LR001
AIVDSeq DNA Clean Beads. Clean-up and Size Select	LR002
AIVDSeq End Preparation Module	LR003
AIVDSeq Adapter Ligation Module	LR004
AIVDSeq Primer	LR005
AIVDSeq Adapter	LR006
AIVDSeq Library Amplification Kit	LR008
AIVDSeq mRNA Capture Beads	LR009
AIVDSeq RNA 2XFrag Buffer	LR010
AIVDSeq RNA First Strand Synthesis Module	LR011
AIVDSeq RNA Second Strand Synthesis Module	LR012
AIVDSeq rRNA Depletion Kit (Human/Rat/Mouse)	LR013
AIVDSeq rRNA Depletion Kit (Bacteria)	LR014
AIVDSeq Fast Library Prep Index Kit for Illumina	LR015

## NGS Library Preparation Kits

Product Name	Catalog #
AIVDSeq DNA Library Prep Kit for Illumina	LR016
AIVDSeq Fast DNA Library Prep Kit for Illumina	LR017
AIVDSeq mRNA V1 Library Prep Kit for Illumina	LR018
AIVDSeq Stranded mRNA Library Prep Kit for Illumina	LR019
AIVDSeq Total RNA (H/M/R) Library Prep Kit for Illumina	LR020
AIVDSeq Small RNA Library Prep Kit for Illumina	LR021

## Nucleotides

Product Name	Catalog #
dATP	DN001
dTTP	DN002
dGTP	DN003
dCTP	DN004
dUTP	DN005

## Services

If you are looking for a Solution and do not find what you need in our Catalog, please contact us!

### OEM service

All products listed in our catalog are available for private labeling and OEM. AIVD cutting-edge manufacturing facility houses fully equipped R&D, production and quality control laboratories.

Our team of dedicated scientists works closely with every OEM partner to provide highly customized solutions and define the ideal manufacturing specifications to meet every partner's unique needs.

We offer a board range of custom solutions, which include custom assay & product development, small to large scale production, bulk and uncut sheets supply of catalogue and custom-made reagents, packaging and technical support.

### Core-Capabilities

Our core capabilities include but not limited to **Custom Development, Production and Contract Manufacturing** of:

- Various PCR Enzymes and Regents,
- Recombinant Antigens,
- Mouse Antibodies,
- Alpaca Single Domain antibodies (Nanobodies),
- Antigen and Antibody Selection and Pairing
- Antigen and Antibody Conjugate
- Buffer Formulations



## Customization & New Product Development

AIVD could develop and manufacture a Customized Solution or Kit specifically for your project needs.

Our complete portfolio of reagents can be customized to meet your individual assay performance specifications, including NGS library preparation, PCR & RT-PCR, qPCR & RT-qPCR reagents and enzymes.

We could adapt the formulation, documentation or size of our catalogue products or **create a new solution** to accommodate your unique needs.

Custom options for PCR reagents include custom development and production of:

- SNP genotyping reagents;
- Pharmacogenomics solutions;
- Microbial pathogen detection reagents;
- Gene mutation/deletion detection reagents;
- Early cancer detection reagents;
- Rapid nucleic acid detection reagents

From early stage development to manufacturing and delivery, all our processes are strictly controlled to ensure the highest quality of our products.

## Out-Licensing and Technical Transfer

Looking forward to expand your product portfolio and save time, money and resources on research and development?

AIVD technologies are available for out-licensing and full or partial technical transfer, including a broad range of molecular biology workflows, protein expression and conjugation technologies, product formulation and etc.

## Technical Solutions and Support

We offer a board range of technical solutions, including consultations and technical support to help make design and formulation decisions, scientific expertise that matches your requirements.

### Core Technical Solutions:

- Selection of raw materials
- Production process optimization
- Conjugation process optimization
- Workflow development
- Workflow troubleshooting
- Personnel training



**AIVD BIOTECH INC.**

Address: 5th Floor, 16 Building, Wangtang Industrial Park, Xili Subdistrict,  
Shenzhen city, Guangdong Province, China, 518055

Tel. : +86-755-26165742

Fax: +86-755-26401805

Email: [sales@aivdbiotech.com](mailto:sales@aivdbiotech.com)