


# Product Catalog for Molecular Biology & Biopharma Industry

## AARMEDICA



Molecular Biology Application

BioPharma Services



Come explore the largest,  
wholly owned network  
of Molecular Biology & Biopharma  
Raw Materials

Taq Polymerase for Hot-start PCR ,Multiplex PCR

Ready-2x-Multiplex for Multiplex PCR  
Direct PCR

Direct RT -PCR

Consumables for Molecular & Infectious Dis

mRNA Products

QC Kits for Biopharma manufacturing

T7 RNA Polymerase

Alkaline Phosphatase & Poly ( A) Polymera

Raw Materials for Vaccine Manufacturing

[aarmedica@gmail.com](mailto:aarmedica@gmail.com)



**AARMEDICA**

**FIRST FLOOR ,PLOT NO.355,UDYOG KENDRA EXTN.1,ECOTECH III,GREATER NOIDA (WEST),**

**U.P.-201306**

**EMAIL: aarmedica@gmail.com ; sales@aarmedica.com**

**Phone# 0120-4789239**

	Product Name	Size	Unit	Prices INR			Remarks
<b>DNA-free Taq Polymerase is a recombinant enzyme expressed and purified from a bacterial host cell harboring Thermus aquaticus DNA polymerase gene and purified using a process that minimizes level of contaminating host DNA. DNA-free Taq Polymerase is a high quality DNA polymerase and suitable for molecular diagnostics. Because the contaminating host genomic DNA can cause the false positive results, the use of DNA-free Taq polymerase is very important in PCR detection of bacteria with universal primers (e.g. 16s rRNA specific primers).</b>							
	DNA-free Taq Polymerase	250	U	Rs. 7,920.00	-20	2 Y	
	DNA-free Taq Polymerase	500	U	Rs. 12,870.00	-20	2 Y	
	DNA-free Taq Polymerase	2500	U	Rs. 51,480.00	-20	2 Y	
	DNA-free Taq Polymerase (with dNTP Mix)	250	U	Rs. 8,580.00	-20	2 Y	
	DNA-free Taq Polymerase (with dNTP Mix)	500	U	Rs. 13,530.00	-20	2 Y	<b>HOT ITEM</b>
	DNA-free Taq Polymerase (with dNTP Mix)	2500	U	Rs. 54,120.00	-20	2 Y	

**Hot-Taq Polymerase is a chemically-modified form of purified Taq DNA polymerase and suitable for high-specificity hot-start PCR, real-time PCR and multiplex PCR. The separately available 10x reaction buffer contains pH-buffering agents, salts, Mg<sup>2+</sup>, and dNTPs.**

**Application**

**Hot-start PCR**

**Multiplex PCR**

**Real-time PCR**

**High specific and sensitive PCR**

**Amplification of complex DNA and cDNA**

**PCR for molecular diagnostics**

	DNA-free Hot-Taq Polymerase	250	U	Rs. 12,870.00	-20	2 Y	
	DNA-free Hot-Taq Polymerase (with dNTP Mix)	125	U	Rs. 8,580.00	-20	2 Y	
	DNA-free Hot-Taq Polymerase (with dNTP Mix)	250	U	Rs. 13,530.00	-20	2 Y	<b>HOT ITEM</b>
	Taq Polymerase [MgCl <sub>2</sub> free]	500	U	Rs. 5,720.00	-20	2 Y	
	Taq Polymerase [MgCl <sub>2</sub> free]	2,500	U	Rs. 22,880.00	-20	2 Y	
	Taq Polymerase [MgCl <sub>2</sub> free] (with dNTP Mix)	500	U	Rs. 6,380.00	-20	2 Y	<b>HOT ITEM</b>
	Taq Polymerase [MgCl <sub>2</sub> free] (with dNTP Mix)	2,500	U	Rs. 25,520.00	-20	2 Y	
	Taq Polymerase	500	U	Rs. 5,610.00	-20	2 Y	
	Taq Polymerase	2,500	U	Rs. 22,440.00	-20	2 Y	
	Taq Polymerase (with dNTP Mix)	500	U	Rs. 6,270.00	-20	2 Y	<b>HOT ITEM</b>
	Taq Polymerase (with dNTP Mix)	2,500	U	Rs. 25,080.00	-20	2 Y	<b>HOT ITEM</b>
	Taq-Plus Polymerase	250	RX	Rs. 8,360.00	-20	1 Y	<b>HOT ITEM</b>
	Taq-Plus Polymerase	500	RX	Rs. 14,960.00	-20	1 Y	<b>HOT ITEM</b>
	Taq-Plus Polymerase	2,500	RX	Rs. 60,280.00	-20	1 Y	
	Premium- Taq Polymerase	250	RX	Rs. 13,200.00	-20	1 Y	<b>HOT ITEM</b>
	Premium- Taq Polymerase	500	RX	Rs. 23,760.00	-20	1 Y	<b>HOT ITEM</b>
	Premium- Taq Polymerase	2,500	RX	Rs. 95,040.00	-20	1 Y	
	Xtender-Taq Polymerase	250	U	Rs. 5,940.00	-20	2 Y	
	Xtender-Taq Polymerase	500	U	Rs. 10,560.00	-20	2 Y	
	Xtender-Taq Polymerase	2,500	U	Rs. 42,570.00	-20	2 Y	
	Xtender-Taq Polymerase (with dNTP Mix)	250	U	Rs. 6,270.00	-20	2 Y	<b>HOT ITEM</b>
	Xtender-Taq Polymerase (with dNTP Mix)	500	U	Rs. 11,220.00	-20	2 Y	<b>HOT ITEM</b>

	Xtender-Taq Polymerase (with dNTP Mix)	2,500	U	Rs. 45,210.00	-20	2 Y	
	HyperSense-Taq Polymerase	250	U	Rs. 10,120.00	-20	2 Y	
	HyperSense-Taq Polymerase	500	U	Rs. 18,040.00	-20	2 Y	
	HyperSense-Taq Polymerase	2,500	U	Rs. 72,600.00	-20	2 Y	
	HyperSense-Taq Polymerase (with dNTP Mix)	250	U	Rs. 10,560.00	-20	2 Y	<b>HOT ITEM</b>
	HyperSense-Taq Polymerase (with dNTP Mix)	500	U	Rs. 18,920.00	-20	2 Y	<b>HOT ITEM</b>
	HyperSense-Taq Polymerase (with dNTP Mix)	2,500	U	Rs. 76,120.00	-20	2 Y	
	Hot-Taq Polymerase (Ver. 2.0) [MgCl2 free]	250	U	Rs. 5,720.00	-20	2 Y	
	Hot-Taq Polymerase (Ver. 2.0) [MgCl2 free]	500	U	Rs. 10,340.00	-20	2 Y	
	Hot-Taq Polymerase (Ver. 2.0) [MgCl2 free]	2,500	U	Rs. 40,590.00	-20	2 Y	
	Hot-Taq Polymerase (Ver. 2.0) [MgCl2 free] (with dNTP Mix)	250	U	Rs. 6,050.00	-20	2 Y	<b>HOT ITEM</b>
	Hot-Taq Polymerase (Ver. 2.0) [MgCl2 free] (with dNTP Mix)	500	U	Rs. 10,670.00	-20	2 Y	<b>HOT ITEM</b>
	Hot-Taq Polymerase (Ver. 2.0) [MgCl2 free] (with dNTP Mix)	2,500	U	Rs. 42,900.00	-20	2 Y	<b>HOT ITEM</b>
	Hot-Taq Polymerase (Ver. 2.0)	250	U	Rs. 5,610.00	-20	2 Y	
	Hot-Taq Polymerase (Ver. 2.0)	500	U	Rs. 10,230.00	-20	2 Y	
	Hot-Taq Polymerase (Ver. 2.0)	2,500	U	Rs. 40,260.00	-20	2 Y	
	Hot-Taq Polymerase (Ver. 2.0) (with dNTP Mix)	250	U	Rs. 5,940.00	-20	2 Y	<b>HOT ITEM</b>
	Hot-Taq Polymerase (Ver. 2.0) (with dNTP Mix)	500	U	Rs. 10,670.00	-20	2 Y	<b>HOT ITEM</b>
	Hot-Taq Polymerase (Ver. 2.0) (with dNTP Mix)	2,500	U	Rs. 42,680.00	-20	2 Y	<b>HOT ITEM</b>
	Power-Pfu Polymerase (Ver. 2.0)	250	U	Rs. 6,270.00	-20	2 Y	
	Power-Pfu Polymerase (Ver. 2.0)	500	U	Rs. 11,220.00	-20	2 Y	
	Power-Pfu Polymerase (Ver. 2.0)	2,500	U	Rs. 45,210.00	-20	2 Y	
	Power-Pfu Polymerase (Ver. 2.0) (with dNTP Mix)	250	U	Rs. 6,600.00	-20	2 Y	<b>HOT ITEM</b>
	Power-Pfu Polymerase (Ver. 2.0) (with dNTP Mix)	500	U	Rs. 11,880.00	-20	2 Y	<b>HOT ITEM</b>
	Power-Pfu Polymerase (Ver. 2.0) (with dNTP Mix)	2,500	U	Rs. 47,520.00	-20	2 Y	
	Speed-Pfu Polymerase	250	U	Rs. 11,880.00	-20	2 Y	
	Speed-Pfu Polymerase	500	U	Rs. 21,560.00	-20	2 Y	
	Speed-Pfu Polymerase	2,500	U	Rs. 85,360.00	-20	2 Y	
	Speed-Pfu Polymerase (with dNTP Mix)	250	U	Rs. 12,320.00	-20	2 Y	<b>HOT ITEM</b>
	Speed-Pfu Polymerase (with dNTP Mix)	500	U	Rs. 22,000.00	-20	2 Y	<b>HOT ITEM</b>
	Speed-Pfu Polymerase (with dNTP Mix)	2,500	U	Rs. 88,440.00	-20	2 Y	

	Premium-Pfu Polymerase	250	U	Rs. 18,700.00	-20	1 Y	<b>HOT ITEM</b>
	Premium-Pfu Polymerase	500	U	Rs. 33,000.00	-20	1 Y	<b>HOT ITEM</b>
	Premium-Pfu Polymerase	2,500	U	Rs. 132,000.00	-20	1 Y	
	Bst DNA polymerase, Large Fragment	1600	U	Rs. 5,280.00	-20	1 Y	
	Bst DNA polymerase, Large Fragment	4000	U	Rs. 11,880.00	-20	1 Y	

**Ready-2x-Go Series are optimized mixtures of a PCR enzyme with reaction buffer and dNTPs as 2-fold concentration. This pre-mixed formulation is designed to save time and reduce the error and contamination opportunities. Depending on the purpose of PCR, Ready-2x-Go mixture is selectable from routine PCR to high fidelity and long PCR. Ready-2x-Go series provides the most suitable condition for efficient and reproducible PCR.**

	Ready-2X-Go [Taq] (with Dye) (1 ml X 5 tubes)	5	ml	Rs. 5,280.00	-20	1 Y	
	Ready-2X-Go [Taq] (1 ml X 5 tubes)	5	ml	Rs. 5,280.00	-20	1 Y	<b>HOT ITEM</b>
	Ready-2X-Go [Hot-Taq] (with Dye) (1 ml X 5 tubes)	5	ml	Rs. 5,610.00	-20	1 Y	
	Ready-2X-Go [Hot-Taq] (1 ml X 5 tubes)	5	ml	Rs. 5,610.00	-20	1 Y	
	Ready-2X-Go [Power-Pfu] (with Dye) (1 ml X 5 tubes)	5	ml	Rs. 5,610.00	-20	1 Y	
	Ready-2X-Go [Power-Pfu] (1 ml X 5 tubes)	5	ml	Rs. 5,610.00	-20	1 Y	
	Ready-2X-Go [Premium-Taq] (with Dye) (1 ml x 5 tubes)	5	ml	Rs. 13,200.00	-20	1 Y	
	Ready-2X-Go [Premium-Taq] (1 ml x 5 tubes)	5	ml	Rs. 13,200.00	-20	1 Y	<b>HOT ITEM</b>
	Ready-2X-Go [Taq-Plus] (with Dye) (1 ml x 5 tubes)	5	ml	Rs. 7,480.00	-20	1 Y	
	Ready-2X-Go [Taq-Plus] (1 ml X 5 tubes)	5	ml	Rs. 7,480.00	-20	1 Y	<b>HOT ITEM</b>
	Ready-2X-Go [Premium-Pfu] (1 ml X 5 tubes)	5	ml	Rs. 9,350.00	-20	1 Y	

**Ready-2x-Multiplex (Ver. 2.0), the best choice to setup complex multiplexing PCR, is a pre-mixed solution containing Hot-Taq Polymerase, dNTPs and optimized buffer as 2x concentration. Ready-2x-Multiplex (Ver. 2.0) is designed for hot-start PCR to allow the highest specificity and minimize the interruptions among the primers in a reaction mixture. This pre-mixed enzyme is highly suitable for up to 13-plex PCR, allele specific PCR (discriminating SNP), and applications for genotyping. Ready-2x-Multiplex (Ver. 2.0) provides the most suitable condition for efficient and reproducible multiplex or specific PCR.**

	Ready-2X-MultiPlex (Ver. 2.0) (with Dye) (1.25 ml x 2 tube)	2.5	ml	Rs. 5,940.00	-20	1 Y	<b>HOT ITEM</b>
	Ready-2X-MultiPlex (Ver. 2.0) (with Dye) (1.25 ml x 10 tube)	12.5	ml	Rs. 23,760.00	-20	1 Y	<b>HOT ITEM</b>
	Ready-2X-MultiPlex (Ver. 2.0) (1.25 ml x 2 tubes)	2.5	ml	Rs. 5,940.00	-20	1 Y	<b>HOT ITEM</b>
	Ready-2X-MultiPlex (Ver. 2.0) (1.25 ml x 10 tubes)	12.5	ml	Rs. 23,760.00	-20	1 Y	<b>HOT ITEM</b>

Ready-2X-MultiPlex (Ver. 2.0) [UDG System] (with Dye) (1 ml x	5	ml	Rs. 22,000.00	-20	1 Y	<b>HOT ITEM</b>
Ready-2X-MultiPlex (Ver. 2.0) [UDG System] (with Dye) (1 ml x 5	50	ml	Rs. 176,000.00	-20	1 Y	<b>HOT ITEM</b>
<p><b>Direct PCR [3G] is designed for the PCR amplification directly from animal tissues, whole blood, and plant tissues without any DNA purification processes. This kit contains a 2x reaction mix including Taq DNA polymerase, dNTPs, MgCl<sub>2</sub>, and unique buffer system to resist various PCR inhibitors of tissue samples. Unlike other brands of direct PCR which based on a derivative of Pfu DNA polymerase, NanoHelix's Direct PCR [3G] is based on Taq polymerase. Due to this enzyme's robust amplification and 3' to 5' exo-negative properties, this kit could be used for allele specific PCR which is routinely used for various genotyping. Moreover the Uracil-DNA glycosylase with dUTP system for the prevention of carryover contamination can be applied to this Taq polymerase-based kit. dUTP could not be used with the Pfu DNA polymerase and its derivatives. A Uracil-DNA glycosylase and dUTP applied version is also available.</b></p>						
Direct PCR [3G]	200	RX	Rs. 29,040.00	-20	1 Y	<b>HOT ITEM</b>
Direct PCR [3G] [UDG System]	200	RX	Rs. 34,980.00	-20	1 Y	<b>HOT ITEM</b>
Direct PCR [3G] (Hot-start)	200	RX	Rs. 31,900.00	-20	1 Y	<b>HOT ITEM</b>
Direct PCR [3G] (Hot-start) [UDG System]	200	RX	Rs. 38,060.00	-20	1 Y	<b>HOT ITEM</b>
<p><b>Direct RT-PCR Kit is designed for the amplification and detection of target RNA directly from whole blood, animal tissue, and plant tissues without any RNA purification processes. This kit contains enzyme mixture including HelixCript™ Thermo Reverse Transcriptase and antibody-coupled Taq polymerase, and 2x Buffer Mix containing dNTPs, MgCl<sub>2</sub>, and unique buffer system to resist various PCR inhibitors from tissue samples. A Uracil-DNA glycosylase and dUTP applied version is also available.</b></p>						
Direct RT-PCR Kit	200	RX	Rs. 34,980.00	-20	1 Y	<b>HOT ITEM</b>
Direct RT-PCR Kit [UDG System]	200	RX	Rs. 42,020.00	-20	1 Y	<b>HOT ITEM</b>
			Rs. 0.00			
Phi29 DNA Polymerase	500	U	Rs. 9,020.00	-20	1 Y	
Phi29 DNA Polymerase	2,500	U	Rs. 36,080.00	-20	1 Y	
Genome Amplifier (WGA)	50	RX	Rs. 16,060.00	-20	6 M	
Genome Amplifier (WGA)	100	RX	Rs. 28,600.00	-20	6 M	

**Direct WGA Kit is a complete system for whole genome amplification from various tissues or samples directly without DNA purification processes. Very little amount of samples, several milligram or microliter volume, are required for the direct WGA. About 10 µg DNA products could be obtained in a standard reaction. The enzyme mix and buffer system are designed to tolerate against most amplification inhibitors found in crude samples. Phi29 DNA polymerase, the major polymerization enzyme of this kit, isothermally amplifies the genomic DNAs included in the samples with multiple displacement mechanism. Phi29 DNA polymerase could produce DNA strand up to 70 kb long with high fidelity. All required components including enzymes, buffers, dNTPs, random primers, and sample pretreatment reagents are supplied in this kit. The amplified DNA products could be applied for successive PCR, genotyping, and library construction.**

	Direct WGA Kit	50	RX	Rs. 18,040.00	-20	6 M	<b>HOT ITEM</b>
	Direct WGA Kit	100	RX	Rs. 32,560.00	-20	6 M	<b>HOT ITEM</b>
<b>FastLAMP Kit (Ver. 2.0) provides simple and fast (within 20 minutes) target DNA amplification using loop-mediated isothermal amplification (LAMP). This kit consists of 5x FastLAMP buffer, FastLAMP Enzyme V2 and a D-Solution. The 5x FastLAMP Buffer, optimized for fast amplification, contains buffering reagents, dNTPs, and salts. The FastLAMP Enzyme V2 is composed of a newly engineered Bst DNA polymerase that provides improved amplification reaction properties. The novel Bst DNA polymerase enhances the DNA polymerization speed and allows the fast isothermal amplification reaction.</b>							
	FastLAMP Kit (Ver. 2.0)	100	RX	Rs. 14,080.00	-20	1Y	<b>HOT ITEM</b>
	FastLAMP Kit (Ver. 2.0)	500	RX	Rs. 56,100.00	-20	1Y	<b>HOT ITEM</b>
	Fast RT-LAMP Kit (Ver. 2.0)	100	RX	Rs. 17,160.00	-20	1Y	<b>HOT ITEM</b>
	Fast RT-LAMP Kit (Ver. 2.0)	500	RX	Rs. 67,980.00	-20	1Y	<b>HOT ITEM</b>
<b>pH-Sensing LAMP provides a simple detection for loop-mediated isothermal amplification (LAMP) of DNA targets. This kit allows simple detection of amplification by eyes using a pH-sensing dye such as phenol red, neutral red, cresol red, etc. (not included in this kit). 2x PHD LAMP Premix is provided in this kit. The premix contains dNTPs, Mg<sup>2+</sup>, salts and Bst DNA polymerase. Using an appropriate LAMP primer set, HelixAmp™ pH-Sensing LAMP quickly detects amplification within 30 minutes.</b>							
	pH-Sensing LAMP	100	Rx	Rs. 16,060.00	-20	1Y	<b>HOT ITEM</b>
	pH-Sensing LAMP	500	Rx	Rs. 64,020.00	-20	1Y	<b>HOT ITEM</b>
	pH-Sensing RT-LAMP	100	Rx	Rs. 20,020.00	-20	1Y	<b>HOT ITEM</b>
	pH-Sensing RT-LAMP	500	Rx	Rs. 80,080.00	-20	1Y	<b>HOT ITEM</b>
	FastLAMP Lyo-Dot, 8-strip tube type	96	Test	Rs. 17,160.00	4/RT	1Y	<b>HOT ITEM</b>
	Fast RT-LAMP Lyo-Dot, 8-strip tube type	96	Test	Rs. 20,020.00	4/RT	1Y	<b>HOT ITEM</b>



	Viral DNA/RNA Kit V2, Column type	200	Prep	Rs. 43,560.00	RT	1 Y	<b>HOT ITEM</b>
	NA-Sample Kit, Sample	5	Prep	Rs. 3,300.00	RT	1 Y	
	NA-Sample Kit	15	Prep	Rs. 8,800.00	RT	1 Y	<b>HOT ITEM</b>
	NA-Sample Kit	50	Prep	Rs. 22,000.00	RT	1 Y	<b>HOT ITEM</b>
	NA-Sample Kit (50 Preps/kit X 4 box)	200	Prep	Rs. 66,000.00	RT	1 Y	<b>HOT ITEM</b>
				Rs. 0.00			
				Rs. 0.00			
	Thermo Reverse Transcriptase	10,000	U	Rs. 9,020.00	-20	1 Y	
	Thermo Reverse Transcriptase	50,000	U	Rs. 36,080.00	-20	1 Y	<b>HOT ITEM</b>
	Thermo Reverse Transcriptase (with dNTP Mix)	10,000	U	Rs. 9,680.00	-20	1 Y	
	Thermo Reverse Transcriptase (with dNTP Mix)	50,000	U	Rs. 38,060.00	-20	1 Y	
	Easy cDNA Synthesis Kit [All-in-One]	50	RX	Rs. 12,540.00	-20	1 Y	
	Easy cDNA Synthesis Kit [All-in-One]	100	RX	Rs. 23,100.00	-20	1 Y	<b>HOT ITEM</b>
<p><b>One-Step RT-PCR Kit [Hot-Taq] is designed for sensitive amplification of the target gene in one-tube reaction from total transcripts. A reverse transcriptase, Thermo Reverse Transcriptase, and Hot-Taq Polymerase are supplied as an enzyme mixture</b></p>							
	One-Step RT-PCR Kit [Hot-Taq]	100	RX	Rs. 11,880.00	-20	1 Y	<b>HOT ITEM</b>
	One-Step RT-PCR Kit [Hot-Taq]	500	RX	Rs. 47,520.00	-20	1 Y	<b>HOT ITEM</b>
<p><b>One-Step RT-PCR Kit [Ab+Taq] is designed for sensitivity amplification of target genes in one-tube reactions from total transcripts. HelixCript™ Thermo Reverse Transcriptase, Helixzyme™ RNase Inhibitor, and HelixAmp™ Ab+Taq Polymerase (antibody-inhibited hot start PCR enzyme) are supplied as the enzyme mixture. The 2x Reaction Mix contains a unique buffer, MgCl<sub>2</sub>, and dNTPs.</b></p>							
	One-Step RT-PCR Kit [Ab+Taq]	100	RX	Rs. 17,600.00	-20	1 Y	<b>New</b>
	One-Step RT-PCR Kit [Ab+Taq]	500	RX	Rs. 70,400.00	-20	1 Y	<b>New</b>
	One-Step RT-PCR Kit [Speed-Pfu]	100	RX	Rs. 17,600.00	-20	1 Y	
	One-Step RT-PCR Kit [Speed-Pfu]	500	RX	Rs. 70,400.00	-20	1 Y	

**Direct qPCR Kit [Green]** is designed for an intercalating dye based qPCR amplification directly from animal tissues, plant tissues, and various clinical samples including whole blood, serum, urine, hair and swab collections without any DNA purification processes. The 2x Direct qPCR Premix [Green] in this kit contains antibody-inhibited Taq DNA polymerase, dNTPs, MgCl<sub>2</sub>, SYBR Green, stabilizer, and unique buffer system to resist various PCR inhibitors of tissue samples

	qPCR Kit [Green]	200	RX	Rs. 10,120.00	-20	1 Y	<b>HOT ITEM</b>
	qPCR Kit [Green]	500	RX	Rs. 20,020.00	-20	1 Y	<b>HOT ITEM</b>
	qPCR Kit [Probe]	200	RX	Rs. 10,120.00	-20	1 Y	<b>HOT ITEM</b>
	qPCR Kit [Probe]	500	RX	Rs. 20,020.00	-20	1 Y	<b>HOT ITEM</b>

in a single tube using sequence-specific primers corresponding to the target RNAs from the sample. The Enzyme Mix in this kit is an optimized blend of reverse transcriptase, hot-start PCR enzyme, and RNase inhibitor protein, which ensures reliable results regarding sensitivity, accuracy, and specificity. The 2x Buffer Mix contains all of the required components including optimized buffer components, Mg<sup>2+</sup>, dNTPs, and a green fluorescent dye. The separately supplied ROX dye could be used as a passive reference dye in real-time PCR instruments that are compatible with the evaluation of the ROX signal.

	qRT-PCR Kit [Green]	200	RX	Rs. 15,180.00	-20	1 Y	<b>HOT ITEM</b>
	qRT-PCR Kit [Green]	500	RX	Rs. 30,140.00	-20	1 Y	<b>HOT ITEM</b>
	qRT-PCR Kit [Probe]	200	RX	Rs. 15,180.00	-20	1 Y	<b>HOT ITEM</b>
	qRT-PCR Kit [Probe]	500	RX	Rs. 30,140.00	-20	1 Y	<b>HOT ITEM</b>
	Premier qPCR kit [Green, Low Rox]	200	RX	Rs. 10,120.00	-20	1 Y	<b>HOT ITEM</b>
	Premier qPCR kit [Green, Low Rox]	500	RX	Rs. 22,000.00	-20	1 Y	<b>HOT ITEM</b>
	Premier qPCR kit [Green, High Rox]	200	RX	Rs. 10,120.00	-20	1 Y	<b>HOT ITEM</b>
	Premier qPCR kit [Green, High Rox]	500	RX	Rs. 22,000.00	-20	1 Y	<b>HOT ITEM</b>

**1-sec qPCR Premix [Probe] (Ver. 2.0)** is designed to perform fast real-time analysis of DNA samples using the fluorescent probe based detection. The convenient 2x concentrated premix contains an antibody-inhibited hot-start Taq polymerase (Ab+Taq polymerase), dNTPs, buffers, Mg<sup>2+</sup>, and a stabilizing agent. The premix can also be used in combination with ROX reference dye in PCR instruments that are compatible with the evaluation of the ROX signal. The outstanding fast real-time assay (between 30-60 min.) combined with high specificity and sensitivity is achieved with a unique buffer system and optimized hot-start polymerase. Bulk version is premix only. ROX reference dye is available separately upon request.

	1-sec qPCR Kit [Probe] [UDG System] (Ver. 2.0)	200	Rx	Rs. 17,160.00	-20	1 Y	<b>HOT ITEM</b>
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	1-sec qPCR Kit [Probe] [UDG System] (Ver. 2.0)	500	Rx	Rs. 34,100.00	-20	1 Y	<b>HOT ITEM</b>
<p><b>1-sec qRT-PCR Kit [Probe] (Ver. 2.0) is a 2x premix for qRT-PCR assay using fluorescent probe-based detection. This premix effectively delivers reproducible, reliable detection of up to five RNA targets by fast multiplex in a single tube reaction (FAST: 45 min/40 cycles or ULTRAFast: 25 min/40 cycles). The combination of enzymes (antibody-inhibited hot-start Taq, reverse transcriptase, RNase inhibitor) and NanoHelix's unique buffers (including dNTPs, Mg<sup>2+</sup>, and a stabilizing agent) in the ready-to-use premix provides outstanding speed, specificity, and sensitivity of the real-time assay.</b></p>							
	1-Sec qRT-PCR Kit [Probe] (Ver. 2.0)	200	Rx	Rs. 20,020.00	-20	1 Y	<b>New</b>
	1-Sec qRT-PCR Kit [Probe] (Ver. 2.0)	500	Rx	Rs. 40,040.00	-20	1 Y	<b>New</b>
	Super plex qPCR Kit [Probe]	200	Rx	Rs. 18,040.00	-20	1 Y	
	Super plex qPCR Kit [Probe]	500	Rx	Rs. 36,080.00	-20	1 Y	
<p><b>Direct qPCR Kit [Green] is designed for an intercalating dye based qPCR amplification directly from animal tissues, plant tissues, and various clinical samples including whole blood, serum, urine, hair and swab collections without any DNA purification processes. The 2x Direct qPCR Premix [Green] in this kit contains antibody-inhibited Taq DNA polymerase, dNTPs, MgCl<sub>2</sub>, SYBR Green, stabilizer, and unique buffer system to resist various PCR inhibitors of tissue samples.</b></p>							
	Direct qPCR Kit [Green]	200	Rx	Rs. 26,180.00	-20	1 Y	
	Direct qPCR Kit [Probe]	200	Rx	Rs. 25,080.00	-20	1 Y	
<p><b>DirectFast qPCR Kit is designed for a probe-based rapid qPCR amplification directly from animal tissues, plant tissues, and various clinical samples (including whole blood, serum, urine, hair and swab collections) without any DNA purification processes. The 2x DirectFast qPCR Premix contains antibody-inhibited Taq DNA polymerase, thermo-labile uracil-DNA glycosylase, dUTP, dNTPs, MgCl<sub>2</sub>, a stabilizer, and a unique buffer system to resist various PCR inhibitors of tissue samples. The applied UDG/dUTP system prevents the carryover contamination of PCR products from previous reactions</b></p>							
	DirectFast™ qPCR Kit	100	Test	Rs. 14,080.00	-20	1 Y	<b>HOT ITEM</b>
	DirectFast™ qRT-PCR Kit	100	Test	Rs. 16,060.00	-20	1 Y	<b>HOT ITEM</b>
	qPCR Lyo-Dot [Probe], 8-strip tube type	96	Test	Rs. 11,000.00	4/RT	1Y	<b>New</b>
	qPCR Lyo-Cake [Probe], 8-strip tube type	96	Test	Rs. 9,020.00	4/RT	1Y	<b>New</b>
	qPCR Lyo-Cake [Probe], 8-strip tube type	480	Test	Rs. 36,300.00	4/RT	1Y	<b>New</b>
	qRT-PCR Lyo-Dot [Probe], 8-strip tube type	96	Test	Rs. 14,080.00	4/RT	1Y	<b>New</b>
	100bp Plus DNA Ladder	500	µl	Rs. 5,500.00	4/-20	1 Y	<b>HOT ITEM</b>

	1 kb Plus DNA Ladder	500	µl	Rs. 6,600.00	4/-20	1 Y	<b>HOT ITEM</b>
	Uracil-DNA Glycosylase (UDG)	1,000	U	Rs. 7,040.00	-20	1 Y	
	Uracil-DNA Glycosylase (UDG)	5,000	U	Rs. 29,040.00	-20	1 Y	
	Heat labile UDG	200	U	Rs. 6,160.00	-20	1Y	
	Heat labile UDG	500	U	Rs. 10,120.00	-20	1Y	
	Cod UDG	200	U	Rs. 6,160.00	-20	1Y	<b>New</b>
	Cod UDG	500	U	Rs. 10,120.00	-20	1Y	<b>New</b>
	RNase Inhibitor (Recombinant)	10,000	U	Rs. 24,200.00	-20	1 Y	<b>HOT ITEM</b>
	dATP, 100 mM	1	ml	Rs. 12,100.00	-20	2 Y	
	dGTP, 100 mM	1	ml	Rs. 12,100.00	-20	2 Y	
	dCTP, 100 mM	1	ml	Rs. 12,100.00	-20	2 Y	
	dTTP, 100 mM	1	ml	Rs. 12,100.00	-20	2 Y	
	dUTP, 100 mM	1	ml	Rs. 12,100.00	-20	2 Y	
	dNTP Mix (each 10 mM)	1	ml	Rs. 7,700.00	-20	2 Y	
	dNTP(U) Mix (each 10 mM)	1	ml	Rs. 7,700.00	-20	2 Y	
	dNTP Set, 100 mM	4	ml	Rs. 38,060.00	-20	2 Y	
	dNTP(U) Set, 100 mM	4	ml	Rs. 38,060.00	-20	2 Y	
	6x Loading Dye, (1 ml x 5 tubes)	5	ml	Rs. 3,080.00	4/-20	2Y	
	ShinyStar Gel Stain	1	ml	Rs. 8,580.00	4	1 Y	
	ShinyStar Gel Stain	10	ml	Rs. 68,200.00	4	1 Y	
	MaxBinder Solution	100	ml	Rs. 1,980.00	RT	1 Y	
	5X Tune-Up™ Solution	8	ml	Rs. 3,960.00	RT	2 Y	

**Product Name**

**Description**

**Pack Size**

**Storage  
Temp.**

**Cat.#**

**DNA & RNA ISOLATION KITS**

**GENOMIC DNA ISOLATION KITS**

<b>EXTRACT ME GENOMIC DNA KIT <i>universal</i></b>	For purification of genomic, mitochondrial, bacterial, parasite or viral DNA from solid tissues, physiological fluids (urine, cerebrospinal fluid, peritoneal fluid, pleural fluid, sputum), fresh and frozen blood, mucosa membrane swabs (including buccal, nasal, pharyngeal and vaginal swabs), semen, hairs, rodent tails, insects, bacteria, yeast and cell cultures.	50 preps		Rs. 18,934.00	RT/-20°C	AA-EM13-050
		250 preps		Rs. 78,270.00	RT/-20°C	AA-EM13-250
<b>EXTRACT ME DNA SWAB &amp; SEMEN KIT</b>	For purification of high quality DNA from human and animal mucosa membrane swabs (including buccal, nasal, pharyngeal and vaginal swabs) as well as from semen.	50 preps		Rs. 18,743.00	RT/-20°C	AA-EM06-050
		250 preps		Rs. 78,094.00	RT/-20°C	AA-EM06-250
<b>RNA ISOLATION KITS</b>						
<b>EXTRACT ME TOTAL RNA KIT</b>	New upgraded kit for rapid and efficient purification of high quality RNA from up to 30 mg of tissue (fresh or frozen) and 10 <sup>7</sup> cultured cells. RNA binding capacity: ~ 230 µg. Significantly improved isolated RNA yields and shortened the duration of the procedure. AntiFoam Reagent and lyophilized DNase I are not included!	50 preps		Rs. 30,429.00	RT	AA-EM09.2-050
		250 preps		Rs. 122,819.00	RT	AA-EM09.2-250
		50 preps		Rs. 26,541.00	RT	AA-EM12-050

<b>EXTRACT ME miRNA KIT</b>	For rapid and unbiased, phenol-free extraction of highly enriched small RNA ( <200 nt ) with superior yield and purity, from a wide range of cells, tissues and blood. It is possible to extract high quality large RNA (>200 nt) in parallel from the same sample. The kit contains 3 different types of columns - the first one for DNA removal; the second one for purification of large RNA and the third one for purification of small RNA.	250 preps	Rs. 107,516.00	RT		AA-EM12-250
<b>EXTRACT ME RNA &amp; DNA KIT</b>	For rapid simultaneous isolation of a high quality genomic DNA and total RNA from a single biological sample from up to 30 mg of fresh or frozen tissue and up to 10 <sup>7</sup> cultured cells. This kit is ideal for researchers who are interested in studying the genome and transcriptome of a single sample. Binding capacity: ~ 60 µg DNA, ~ 230 µg RNA.	50 preps	Rs. 26,710.00	RT		AA-EM15-050
		250 preps	Rs. 107,506.00	RT		AA-EM15-250
<b>EXTRACT ME TOTAL RNA MICRO SPIN KIT</b>	For rapid and efficient purification of high quality RNA from up to 15 mg of tissue (fresh or frozen) or up to 10 <sup>6</sup> cultured cells in micro-spin column format (elution volume from 5 µl); for RNA concentration or for isolation from low quantities of starting material or from sources with low amount of RNA. DNase I is not included!	50 preps	Rs. 26,372.00	RT		AA-EM31.1-050
		250 preps	Rs. 106,163.00	RT		AA-EM31.1-250
<b>EXTRACT ME VIRAL</b>	For the rapid and efficient purification of high quality viral RNA from swabs. The kit is specifically designed	50 preps	Rs. 29,785.00	RT		AA-EM39-050

<b>RNA KIT</b>	<b>to isolate viral nucleic acid from a variety of RNA viruses including SARS-CoV-2 (the virus that causes</b>	<b>250 preps</b>		<b>Rs. 116,306.00</b>	<b>RT</b>		<b>AA-EM39-250</b>
<b>EXTRA ZOL</b>	<b>Ready-to-use reagent for the isolation of separate fractions of RNA, DNA and proteins from cell and tissue samples of human, animal, plant, yeast, or bacterial origin, within one hour. Equivalent for Trisure®.</b>	<b>200 ml</b>		<b>Rs. 34,486.00</b>	<b>+4°C</b>		<b>AA-EM30-200</b>
<b>Bead-beating Tubes with ceramic filling</b>	<b>2 ml bead-beating tubes with 1 g ceramic filling (1.4 mm) for tissue soft homogenization; Tube are available in two different shapes. They are compatible with most commercially available homogenizers, like FastPrep® (MP Biomedicals), MagNA Lyser Instrument (Roche) etc. Equivalent for Lysing Matrix D (MP Biomedicals).</b>	<b>100 pcs</b>		<b>Rs. 25,358.00</b>	<b>RT</b>		<b>AA-HPLM100</b>
		<b>500 pcs</b>		<b>Rs. 115,630.00</b>	<b>RT</b>		<b>AA-HPLM500</b>
<b>PLASMID DNA ISOLATION KITS</b>							
		<b>50 preps</b>		<b>Rs. 11,907.00</b>	<b>RT/+4°C</b>		<b>AA-EM01.1-050</b>

<p><b>EXTRACT ME PLASMID MINI DNA KIT</b></p>	<p>Improved kit for mini-scale extraction of plasmid DNA from broth culture or frozen cell pellets of recombinant <i>Escherichia coli</i> strains. Higher yields - column binding capacity 60 µg pDNA; Improved performance control: colour indicator Balitec Blue, OD ratio table. Broader applications: one protocol for high/low copy plasmids. New features: short protocol with colourful graphics, unified spinning speeds.</p>	<p>250 preps</p>	<p>Rs. 47,187.00</p>	<p>RT/+4°C</p>	<p>AA-EM01.1-250</p>
<p><b>EXTRACT ME PLASMID MIDI KIT</b></p>	<p>For ultrapure, transfection-grade plasmid DNA isolation im medium scale (50-300 ml of bacterial</p>	<p>10 preps</p>	<p>Rs. 15,558.00</p>	<p>RT</p>	<p>AA-EM16-010</p>
		<p>25 preps</p>	<p>Rs. 35,245.00</p>	<p>RT</p>	<p>AA-EM16-025</p>
<p><b>EXTRACT ME PLASMID MAXI KIT</b></p>	<p>For ultrapure, transfection-grade plasmid DNA isolation im large scale (200-1000 ml of bacterial culture); yield: 1-1.5 mg DNA from 400 ml culture; isolation time: 140-150 minutes (with DNA precipitation); centrifugation steps: 6000 x g (no need to have ultracentrifuge); lyophilized RNase A included; each column contain special modified anion-exchange resin and is packed separately in foil bag; DNA Elution volume: 12 ml of PMdE Buffer by gravity flow.</p>	<p>10 preps</p>	<p>Rs. 46,570.00</p>	<p>RT</p>	<p>AA-EM18-010</p>
		<p>25 preps</p>	<p>Rs. 107,016.00</p>	<p>RT</p>	<p>AA-EM18-025</p>
<p><b>DNA FRAGMENTS PURIFICATION KITS</b></p>					
	<p>New upgraded kit for DNA purification after enzymatic reactions; the kit enables the purification of DNA fragments from 50 to 100 kb.</p>	<p>50 preps</p>	<p>Rs. 8,472.00</p>	<p>RT</p>	<p>AA-EM07.1-050</p>



<b>EXTRACT ME DNA CLEAN-UP KIT</b>	DNA fragments from 50 bp to 20 kb, as well as plasmid and genomic DNA; significantly improved recovery: up to 99% (depending on DNA fragment length); binding capacity: approx. 40 µg DNA; time required: 10 min for 6 PCR purifications.	250 preps		Rs. 34,416.00	RT		AA-EM07.1-250
<b>EXTRACT ME DNA CLEAN-UP &amp; GEL-OUT KIT</b>	New upgraded kit for DNA purification after enzymatic reactions & DNA fragments isolation directly from agarose gels - two options in one kit. It enables the purification of DNA fragments from 50 bp to 20 kb, as well as plasmid and genomic DNA. Significantly improved recovery (which depends on DNA fragment length).	50 preps		Rs. 9,967.00	RT		AA-EM26.1-050
		250 preps		Rs. 38,870.00	RT		AA-EM26.1-250
<b>REAL-TIME PCR MASTER MIXES</b>							
<b>AMPLIFY ME SG No-ROX Mix</b>	The <i>AMPLIFY ME</i> SYBR Mix is a convenient enzyme mixture for fast and reliable quantitative Real-Time PCR, using SYBR® Green dsDNA-binding dye. Compatible with qPCR instruments that don't need	200 rxns		Rs. 15,668.00	at -20°C		AA-AM01-020
		2000 rxns		Rs. 111,009.00	at -20°C		AA-AM01-200
<b>AMPLIFY ME SG Universal Mix</b>	The <i>AMPLIFY ME</i> SYBR Mix is a convenient enzyme mixture for fast and reliable quantitative Real-Time PCR, using SYBR® Green dsDNA-binding dye. Universal - compatible with all types of qPCR	200 rxns		Rs. 16,540.00	at -20°C		AA-AM02-020
		2000 rxns		Rs. 116,636.00	at -20°C		AA-AM02-200
<b>AMPLIFY ME Probe No-ROX Mix</b>	Convenient enzyme mixture for fast and reliable qPCR using probes, including TaqMan®, Scorpions® and molecular beacon probes. It is the best choice for your probe based Real-Time PCR assays, including	200 rxns		Rs. 14,665.00	at -20°C		AA-AM04-020
		2000 rxns		Rs. 103,506.00	at -20°C		AA-AM04-200
<b>AMPLIFY ME Probe Universal Mix</b>	Convenient enzyme mixture for fast and reliable qPCR using probes, including TaqMan®, Scorpions® and molecular beacon probes. It is the best choice for your probe based Real-Time PCR assays, including	200 rxns		Rs. 15,347.00	at -20°C		AA-AM05-020
		2000 rxns		Rs. 109,477.00	at -20°C		AA-AM05-200

<b>AMPLIFYME Probe One-Step No-ROX RT-qPCR Mix</b>	<p>The AMPLIFYME Probe One-Step No-ROX RT-qPCR Mix - created for reproducible and efficient first-strand cDNA synthesis and subsequent Real-Time PCR in a single tube. It is the best choice for your probe based Real-Time PCR assays, including singleplex and multiplex gene expression studies. Ready-to-use, 2x concentrated Mix contains all ingredients necessary for Real-Time PCR based on probe detection technology: hot-start Taq polymerase, dNTPs, specially developed buffer, stabilizers and enhancers. Additionally, Mu-MLV Reverse Transcriptase and RNase Inhibitor are included in separate tubes.</p>	100rxn		Rs. 22,679.00	at -20°C		AA-AM08.1-100
		500 rxn		Rs. 113,055.00	at -20°C		AA-AM08.1-500
<b>AMPLIFYME Probe One-Step Universal RT-qPCR Mix</b>	<p>Ready-to-use, 2x concentrated Mix contains all ingredients necessary for Real-Time PCR based on probe detection technology: hot-start Taq polymerase, dNTPs, specially developed buffer, stabilizers and enhancers. Additionally, Mu-MLV Reverse Transcriptase and RNase Inhibitor and ROX solution are included in separate tubes.</p>	100rxn		Rs. 24,043.00	at -20°C		AA-AM09.1-100
		500 rxn		Rs. 113,049.00	at -20°C		AA-AM09.1-500
<b>PCR REAGENTS</b>							
<b>Thermostable DNA polymerases from <i>Thermus aquaticus</i> (TAQ POLYMERASES)</b>							
		500 U (5 U/μl)		Rs. 12,172.00	at -20°C		AA-RP705A

The DNA Polymerase suited to a wide range of

<b>TaqNova DNA Polymerase</b>	<b>Taq DNA Polymerase suited to a wide range of applications, fast and very efficient; universal and easy-to-use; half-life of the enzyme is 45 minutes at 95°C; shows 5'-3' exonuclease activity; does not have 3'-5' exonuclease activity; adds A on the 3' ends.</b>	<b>1000 U (5 U/μl)</b>	<b>Rs. 20,286.00</b>	<b>at -20°C</b>		<b>AA-RP710A</b>
<b>TaqNova DNA- Free Polymerase</b>	<b>TaqNova DNA-free Polymerase is highly purified from host's DNA contaminants, what enables application of the polymerase in amplification of very conserved sequences (e.g. bacterial 16S rRNA region) without a risk of false positive PCR results. The enzyme catalyzes DNA synthesis in a 5'- 3' direction, shows no 3'- 5' exonuclease activity, but has a 5'- 3' exonuclease activity.</b>	<b>200 U (5 U/μl)</b>	<b>Rs. 17,074.00</b>	<b>at -20°C</b>		<b>AA-RP1002</b>
		<b>1000 U (5 U/μl)</b>	<b>Rs. 73,199.00</b>	<b>at -20°C</b>		<b>AA-RP1010</b>
		<b>high concentrated version</b>	<b>ENQUIRE</b>	<b>at -20°C</b>		<b>AA-RP1000H</b>
<b>2xPCR TaqNova -RED</b>	<b>.2x concentrated, ready-to-use PCR master mix with TaqNova polymerase, which facilitates an easy and rapid PCR reaction set-up</b>	<b>100 reactions (50 μl)</b>	<b>Rs. 6,625.00</b>	<b>at -20°C</b>		<b>AA-RP85T</b>
		<b>1000 reactions (50 μl)</b>	<b>Rs. 47,672.00</b>	<b>at -20°C</b>		<b>AA-RP85T-10</b>
		<b>500 U (5 U/μl)</b>	<b>Rs. 22,893.00</b>	<b>at -20°C</b>		<b>AA-RP905A</b>

<p><b>TaqNovaHS DNA Polymerase</b></p>	<p>Mixture of thermostable <i>Taq</i> DNA polymerase and a highly specific monoclonal antibody, which acts as an inhibitor of the polymerization activity (for Hot-Start PCR technique); high PCR specificity with minimal optimization; fast 3-minute enzyme activation time; very efficient.</p>	<p>1000 U (5 U/μl)</p>		<p>Rs. 46,857.00</p>	<p>at -20°C</p>		<p>AA-RP910A</p>
<p><b>Stoffel Fragment DNA Polymerase</b></p>	<p>Highly active <i>Taq</i> DNA polymerase without 5' to 3' exonuclease activity. Stoffel Fragment works optimally at a broader range of MgCl<sub>2</sub> concentration (2-10 mM) as compared to <i>Taq</i> polymerase - easier and faster optimization. It is also useful for multiplex reactions. In special applications Stoffel Fragment has proven better specificity than regular <i>Taq</i> polymerase. It is especially recommended for amplifications of small fragments from gDNA. The absence of the 5'-3' exonuclease activity makes it very suitable for cycle sequencing. It gives higher sequence intensity and low backgrounds.</p>	<p>1000 U (2 U/μl)</p>		<p>Rs. 24,005.00</p>	<p>at -20°C</p>		<p>AA-RP810</p>
<p><b>PCR ENHANCERS</b></p>							
<p><b>PCR Additive</b></p>	<p>PCR additive used for elimination of PCR inhibitors that are coextracted with the DNA; amplification of</p>	<p>100 reactions</p>		<p>Rs. 7,100.00</p>	<p>at -20°C</p>		<p>AA-RP50</p>

<b>PCR Anty-inhibitor</b>	problematic templates, isolated from: urine, stool, saliva, sputum, blood, swabs, biopsy materials etc.	500 reactions		Rs. 30,260.00	at -20°C		AA-RP51
<b>DEOXYRIBONUCLEOTIDES (dNTPs) – ultra-pure, shelf-life of 24 months at -20°C, supplied as lithium salts</b>							
<b>dNTPs MIX 10 mM Total</b>	deoxyribonucleotides Mix (2,5 mM dATP, 2,5 mM dCTP, 2,5 mM dGTP, 2,5 mM dTTP); ultra-pure; supplied as lithium salts (much higher stability)	1 ml		Rs. 5,513.00	at -20°C		AA-RP63
<b>dNTPs MIX 40 mM Total</b>	deoxyribonucleotides Mix (10 mM dATP, 10 mM dCTP, 10 mM dGTP, 10 mM dTTP); ultra-pure; supplied as lithium salts (much higher stability)	1 ml		Rs. 16,758.00	at -20°C		AA-RP64
<b>dNTPs MIX 100 mM Total</b>	deoxyribonucleotides Mix (25 mM dATP, 25 mM dCTP, 25 mM dGTP, 25 mM dTTP); ultra-pure; supplied as lithium salts (much higher stability)	1 ml		Rs. 33,296.00	at -20°C		AA-RP65
<b>REVERSE TRANSCRIPTION</b>							

<b>TRANSCRIPT ME RNA Kit - cDNA synthesis kit</b>	<b>10 pg - 5 µg of total RNA; optimal reaction temp. 50°C; contains Enzyme Mix (TRANSCRIPTME M-MuLV Reverse Transcriptase and RNase Inhibitor); 2x Master Mix (oligodT primers, random hexamers, dNTPs, MgCl<sub>2</sub>) and RNase H in a separate tube (optional step)</b>	<b>20 reactions</b>		<b>Rs. 17,919.00</b>	<b>at -20°C</b>		<b>AA-RT31- 020</b>
		<b>100 reactions</b>		<b>Rs. 75,058.00</b>	<b>at -20°C</b>		<b>AA-RT31- 100</b>
<b>TRANSCRIPT ME M- MuLV Reverse Transcriptase</b>	<b>Modified M-MuLV Reverse Transcriptase; 10 pg - 5 µg of total RNA; concentration 200 U/µl; has increased thermal stability (optimum activity at 50°C); has no 3'-5' exonuclease or RNase H activity, which improves the synthesis of a full-length cDNA, even from long mRNA templates, using random priming;</b>	<b>10.000 U (200 U/µl)</b>		<b>Rs. 18,765.00</b>	<b>at -20°C</b>		<b>AA-RT32- 010</b>
		<b>50.000 U (200 U/µl)</b>		<b>Rs. 79,115.00</b>	<b>at -20°C</b>		<b>AA-RT32- 050</b>
<b>TRANSCRIPT ME LYO M-MuLV Reverse Transcriptase <i>New!</i></b>	<b>Lyophilised version of M-MuLV Reverse Transcriptase; increased thermal stability, that allows the reaction to be carried out at a higher temperature (optimum activity at 50°C); has no 3'-5' exonuclease or RNase H activity, which improves the synthesis of a full-length cDNA, even from long mRNA templates, using random priming; gives high yields of first strand cDNA up to 7 kb long;</b>	<b>100.000 U</b>		<b>Rs. 89,940.00</b>	<b>at -20°C</b>		<b>AA-RT32L- 100</b>

<b>RIBO PROTECT Hu RNase Inhibitor</b>	<b>Recombinant human placental RNase inhibitor expressed in <i>E. coli</i> strain; completely inhibits RNase A, B and C activity. It maintains fully activity in highly demanding conditions (at least 4 weeks incubation at 37°C, 24 hours at 50°C, 2 hours at 60°C and 10 cycles of freeze/thaw). It is free of any nuclease activity contamination.</b>	<b>2000 U (40 U/μl)</b>		<b>Rs. 9,298.00</b>	<b>at -20°C</b>		<b>AA-RT35-020</b>
		<b>10.000 U</b>		<b>Rs. 37,191.00</b>	<b>at -20°C</b>		<b>AA-RT35-</b>
<b>RIBO PROTECT Hu RNase Inhibitor Lyo-ready <i>New!</i></b>	<b>Recombinant human placental RNase inhibitor expressed in <i>E. coli</i> strain; completely inhibits RNase A, B and C activity. Stable up to 4 weeks at 37°C; up to 3 freeze/thaw cycles is acceptable. It is free of any nuclease activity contamination. Formulation of RIBOPROTECT Hu Lyo-ready enables its usage directly in the lyophilization process.</b>	<b>10.000 U (40 U/μl)</b>		<b>Rs. 45,116.00</b>	<b>2-8°C/-80°C</b>		<b>AA-RT35L-010</b>
		<b>bulk</b>		<b>ENQUIRE</b>	<b>2-8°C/-80°C</b>		<b>AA-RT35L-B</b>
<b>RNase H</b>	<b>Recombinant enzyme expressed in <i>E. coli</i>, which hydrolyses specifically the phosphodiester bonds of RNA hybridized to DNA. It is a key enzyme in removing mRNA during second strand cDNA synthesis, removing the poly(A) sequences from mRNA in the presence of oligo(dT), and for oligodeoxyribonucleotide-directed cleavage of RNA.</b>	<b>250 U (5 U/μl)</b>		<b>Rs. 12,510.00</b>	<b>at -20°C</b>		<b>AA-RT34-025</b>
		<b>1250 U (5 U/μl)</b>		<b>Rs. 54,434.00</b>	<b>at -20°C</b>		<b>AA-RT34-125</b>

**ENZYMES & PROTEINS**

<p align="center"><b>T4 DNA Ligase</b></p>	<p>ATP-dependent recombinant DNA ligase broadly utilized for ligase-mediated mutation detection methods (OLA, LCR, LDR, LAR, RCA), DNA sequencing (also NGS), molecular cloning, site-directed mutagenesis and nick repair in duplex DNA, RNA or DNA/RNA hybrids. It accepts nicked dsDNA, cohesive ends and fully base-paired (blunt end) substrates for <i>in vitro</i> ligation reactions. It is free of contaminated nucleases and has very reduced amount of host DNA.</p>	<p align="center"><b>500 U (5 U/μl)</b></p>		<p align="center"><b>Rs. 8,283.00</b></p>	<p align="center">at -20°C</p>		<p align="center"><b>AA-EN11-050</b></p>
		<p align="center"><b>2500 U (5 U/μl)</b></p>		<p align="center"><b>Rs. 28,231.00</b></p>	<p align="center">at -20°C</p>		<p align="center"><b>AA-EN11-250</b></p>
<p align="center"><b>Tth DNA Ligase</b></p>	<p>NAD-dependent recombinant ligase from <i>Thermus thermophilus</i>. The ligation will occur only if the oligonucleotides are perfectly paired to the complementary target DNA and have no gaps between them. Therefore a single-base substitution can be detected. High thermostability allows ligation using high-stringency hybridization conditions. High specificity and stringency permits sensitive detection of SNPs. Equivalent of Ampligase® (Epicentre).</p>	<p align="center"><b>250 U (5 U/μl) [3 750 CEU (75 CEU/μl)]</b></p>		<p align="center"><b>Rs. 7,438.00</b></p>	<p align="center">at -20°C</p>		<p align="center"><b>AA-EN13-025</b></p>
		<p align="center"><b>2500 U (5 U/μl) [37 500 CEU (75 CEU/μl)]</b></p>		<p align="center"><b>Rs. 49,470.00</b></p>	<p align="center">at -20°C</p>		<p align="center"><b>AA-EN13-250</b></p>



<b>phi29 Polymerase</b>	<b>Highly processive recombinant polymerase with exceptional strand displacement activity, which allows for highly efficient isothermal DNA amplification. The enzyme is capable of up to 70 thousands base insertions per binding event. The polymerase also possesses a 3'→5' proofreading exonuclease activity acting preferentially on ssDNA or ssRNA. Extremely high yields of amplified DNA can be obtained even from minute amounts of a template.</b>	<b>1000 U (10 U/μl)</b>		<b>Rs. 8,791.00</b>	<b>at -20°C</b>		<b>AA-EN20-010</b>
		<b>5000 U (10 U/μl)</b>		<b>Rs. 30,260.00</b>	<b>at -20°C</b>		<b>AA-EN20-050</b>
<b>Proteinase K MB GRADE</b>	<b>Recombinant Proteinase K from <i>Tritirachium album</i> expressed in <i>Pichia pastoris</i> , ideal for non-specific digesting of proteins in variety of applications. It is free of exonucleases and endonucleases. Fully active up to 56°C and under denaturing conditions (e.g. in the presence of urea and/or SDS). Solubility in water ≥20 mg/ml; Activity ≥ 30 U/mg lyophilizate; Specific activity ≥ 40 U/mg protein; ≥ 800 U/ml liquid; DNA content ≤ 10 pg/mg.</b>	<b>100 mg</b>		<b>Rs. 9,805.00</b>	<b>at -20°C</b>		<b>AA-RP100B</b>
		<b>1000 mg</b>		<b>Rs. 41,024.00</b>	<b>at -20°C</b>		<b>AA-RP102B</b>
		<b>powder</b>		<b>ENQUIRE</b>	<b>at -20°C</b>		<b>AA-RP103B</b>
		<b>1 ml (20</b>		<b>Rs. 2,367.00</b>	<b>°C, +4°C or RT</b>		<b>AA-RP107B.</b>
		<b>5ml (20 mg / ml)</b>		<b>Rs. 8,791.00</b>	<b>°C, +4°C or RT</b>		<b>AA-RP107B.</b>

<p><b>Proteinase K NGS Grade</b></p>	<p>The purest recombinant Proteinase K from <i>Tritirachium album</i> expressed in <i>Pichia pastoris</i> . Specially designed for non-specific digestion of proteins in diagnostics and NGS-grade applications requiring minimised residual DNA content.It is free of exonucleases and endonucleases. Fully active up to 56°C and under denaturing conditions (e.g. in the presence of urea and/or SDS). Solubility in water ≥50 mg/ml; Activity ≥ 35 U/mg lyophilizate; Specific activity ≥ 45 U/mg protein; DNA content ≤ 0.1 pg/mg.</p>	<p>100mg</p>		<p>Rs. 14,379.00</p>	<p>at -20°C</p>	<p>AA-RP100N</p>
		<p>1g</p>		<p>Rs. 61,534.00</p>	<p>at -20°C</p>	<p>AA-RP102N</p>
	<p>powder bulk</p>			<p>ENQUIRE</p>	<p>at -20°C</p>	<p>AA-RP103N</p>
<p><b>UDGase</b></p>	<p>Uracil DNA Glycosylase (UDG) catalyzes the release of uracil from uracil-containing single-stranded or double-stranded DNA, but not from RNA or oligonucleotides. Control of carry-over contamination in PCR. Concentration 1 U/μl.</p>	<p>500 U</p>		<p>Rs. 16,736.00</p>	<p>at -20°C</p>	<p>AA-EN19-050</p>
		<p>2500 U</p>		<p>Rs. 69,311.00</p>	<p>at -20°C</p>	<p>AA-EN19-250</p>

RNase H	Recombinant enzyme expressed in <i>E. coli</i> , which hydrolyses specifically the phosphodiester bonds of RNA hybridized to DNA. It is a key enzyme in removing mRNA during second strand cDNA synthesis, removing the poly(A) sequences from mRNA in the presence of oligo(dT), and for oligodeoxyribonucleotide-directed cleavage of RNA.	250 U		Rs. 12,510.00	at -20°C		AA-RT34-025
		1250 U		Rs. 54,434.00	at -20°C		AA-RT34-125
RNase A (DNase-free)	>4500 U/mg; >90 U (Kunitz)/mg	50 mg		Rs. 11,834.00	at -20°C		AA-RP145
<i>DNaseMe</i> (dsDNase)	The enzyme displays high specific activity towards double-stranded DNA leaving single-stranded DNA or RNA undamaged in standard conditions. dsDNase is highly active in a broad spectrum of temperatures, buffer conditions and pH. The specific activity is similar to bovine DNase I however, dsDNase is characterized by higher stability in demanding reaction and storage conditions. Concentration: 20 U/ml	5000 U (20U/μl)		Rs. 17,074.00	at -20°C		AA-EN33-050
		25000 U (20U/μl)		Rs. 78,101.00	at -20°C		AA-EN33-250

<i>Masterase</i> (HL-dsDNase)	The enzyme displays high specific activity solely towards double-stranded DNA leaving single-stranded DNA or RNA undamaged. HL-dsDNase characterizes high specific activity and it is easily inactivated by heat treatment in moderate temperatures. It is intended for applications where the presence of dsDNA influences experiments' results in thermo-sensitive applications and is extremely useful for rapid and safe digestion of genomic DNA containing samples of RNA or proteins. Concentration: 2 U/ml	500 U ( 2 U/μl )	Rs. 53,082.00	at -20°C	AA-EN31-005
		2500 U ( 2	Rs. 249,180.00	at -20°C	AA- EN31-
<i>Saltonase</i> (HL-Nuclease)	Very active in demanding conditions, including low temperatures and environment with high salt content. Extremely useful for removing undesired nucleic acids contamination during purification of proteins in laboratory and manufacturing workflows. Irreversible thermal inactivation at low temperature (15 min at 52°C in the presence of 1 mM DTT). Concentration: 20 U/ml	5000 U ( 20U/μl )	Rs. 18,596.00	at -20°C	AA-EN32-050
		25000 U ( 20U/μl )	Rs. 85,539.00	at -20°C	AA-EN32-250
			Rs. 85,539.00		
	High-Speed Plasmid Mini Kit	100 preps/kit	Rs. 4,368.00		PD100
	High-Speed Plasmid Mini Kit	300 preps/kit	Rs. 11,564.00		PD300
	Presto™ Mini Plasmid Kit	100 preps/kit	Rs. 4,368.00		PDH100
	Presto™ Mini Plasmid Kit	300 preps/kit	Rs. 11,564.00		PDH300

	<b>Presto™ Endotoxin Free Mini Plasmid Kit</b>	100 preps/kit	Rs. 5,446.00			<b>PEH100</b>
	<b>Large Plasmid DNA Extraction Kit</b>	100 preps/kit	Rs. 5,446.00			<b>PDL100</b>
	<b>Large Plasmid DNA Extraction Kit</b>	300 preps/kit	Rs. 14,728.00			<b>PDL300</b>
	<b>Midiprep Spin Column Plasmid Kit</b>	25 preps/kit	Rs. 14,560.00			<b>PA025</b>
	<b>Presto™ Midi Plasmid Kit</b>	25 preps/kit	Rs. 13,594.00			<b>PIF025</b>
	<b>Presto™ Midi Plasmid Kit (Endotoxin Free)</b>	25 preps/kit	Rs. 16,940.00			<b>PIFE25</b>
	<b>Geneaid™ Midi Plasmid Kit</b>	25 preps/kit	Rs. 10,514.00			<b>PI025</b>
	<b>Geneaid™ Midi Plasmid Kit (Endotoxin Free)</b>	25 preps/kit	Rs. 14,560.00			<b>PIE25</b>
	<b>Geneaid™ Maxi Plasmid Kit</b>	10 preps/kit	Rs. 10,192.00			<b>PM010</b>
	<b>Geneaid™ Maxi Plasmid Kit</b>	25 preps/kit	Rs. 22,638.00			<b>PM025</b>
	<b>Geneaid™ Maxi Plasmid Kit (Endotoxin Free)</b>	10 preps/kit	Rs. 14,224.00			<b>PME10</b>
	<b>Geneaid™ Maxi Plasmid Kit (Endotoxin Free)</b>	25 preps/kit	Rs. 29,106.00			<b>PME25</b>
	<b>Geneaid™ Maxi Plasmid Kit PLUS</b>	10 preps/kit	Rs. 13,580.00			<b>PM010+</b>
	<b>Geneaid™ Maxi Plasmid Kit PLUS</b>	25 preps/kit	Rs. 28,798.00			<b>PM025+</b>
	<b>Geneaid™ Maxi Plasmid Kit PLUS (Endotoxin Free)</b>	10 preps/kit	Rs. 17,430.00			<b>PME10+</b>
	<b>Geneaid™ Maxi Plasmid Kit PLUS (Endotoxin Free)</b>	25 preps/kit	Rs. 34,958.00			<b>PME25+</b>
	<b>Presto™ Plasmid DNA Concentration Kit</b>	25 preps/kit	Rs. 3,850.00			<b>PC0251</b>
	<b>Presto™ Plasmid DNA Concentration Kit</b>	25 preps/kit	Rs. 5,082.00			<b>PC0250</b>
	<b>Presto™ Plasmid DNA Concentration Kit</b>	50 preps/kit	Rs. 6,832.00			<b>PC0501</b>
	<b>Presto™ Plasmid DNA Concentration Kit</b>	50 preps/kit	Rs. 9,240.00			<b>PC0500</b>
	<b>Presto™ Plasmid DNA Concentration Kit</b>	100 preps/kit	Rs. 11,088.00			<b>PC1001</b>
	<b>Presto™ Plasmid DNA Concentration Kit</b>	100 preps/kit	Rs. 16,324.00			<b>PC1000</b>
	<b>Presto™ 96 Well Plasmid Kit (Vacuum)</b>	6 well plates/kit	Rs. 15,400.00			<b>96PDV02</b>
	<b>Presto™ 96 Well Plasmid Kit (Vacuum)</b>	6 well plates/kit	Rs. 28,028.00			<b>96PDV04</b>
	<b>Presto™ 96 Well Plasmid Kit (Vacuum)</b>	96 well plates/kit	Rs. 63,140.00			<b>96PDV10</b>
	<b>Presto™ 96 Well Plasmid Kit (Centrifuge)</b>	6 well plates/kit	Rs. 14,322.00			<b>96PDC02</b>
	<b>Presto™ 96 Well Plasmid Kit (Centrifuge)</b>	6-well plates/kit	Rs. 25,410.00			<b>96PDC04</b>
	<b>Presto™ 96 Well Plasmid Kit (Centrifuge)</b>	96-well plates/kit	Rs. 55,440.00			<b>96PDC10</b>
<b>Post Reaction DNA Purification</b>						
	<b>Product Name</b>	<b>Specification</b>	<b>Price</b>			<b>Cat. No.</b>
	<b>GenepHlow™ Gel Extraction Kit</b>	100 preps/kit	Rs. 4,858.00			<b>DFG100</b>

	<b>GenepHlow™ Gel Extraction Kit</b>	<b>500 preps/kit</b>	<b>Rs. 13,090.00</b>			<b>DFG300</b>
	<b>GenepHlow™ PCR Cleanup Kit</b>	<b>100 preps/kit</b>	<b>Rs. 4,620.00</b>			<b>DFC100</b>
	<b>GenepHlow™ PCR Cleanup Kit</b>	<b>500 preps/kit</b>	<b>Rs. 12,474.00</b>			<b>DFC300</b>
	<b>GenepHlow™ Gel/PCR Kit</b>	<b>100 preps/kit</b>	<b>Rs. 4,858.00</b>			<b>DFH100</b>
	<b>GenepHlow™ Gel/PCR Kit</b>	<b>500 preps/kit</b>	<b>Rs. 13,090.00</b>			<b>DFH300</b>
	<b>Gel/PCR DNA Fragments Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 4,858.00</b>			<b>DF100</b>
	<b>Gel/PCR DNA Fragments Extraction Kit</b>	<b>500 preps/kit</b>	<b>Rs. 13,090.00</b>			<b>DF300</b>
	<b>Large DNA Fragments Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 7,700.00</b>			<b>DFL100</b>
	<b>Large DNA Fragments Extraction Kit</b>	<b>500 preps/kit</b>	<b>Rs. 16,170.00</b>			<b>DFL300</b>
	<b>Small DNA Fragments Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 5,096.00</b>			<b>DF101</b>
	<b>Small DNA Fragments Extraction Kit</b>	<b>500 preps/kit</b>	<b>Rs. 13,860.00</b>			<b>DF301</b>
	<b>GenepHlow™ DNA Cleanup Maxi Kit</b>	<b>10 preps/kit</b>	<b>Rs. 8,092.00</b>			<b>DFM010</b>
	<b>GenepHlow™ DNA Cleanup Maxi Kit</b>	<b>25 preps/kit</b>	<b>Rs. 18,606.00</b>			<b>DFM025</b>
	<b>GenepHlow™ DNA Cleanup Midi Kit</b>	<b>100 preps/kit</b>	<b>Rs. 5,544.00</b>			<b>DFI100</b>
	<b>GenepHlow™ DNA Cleanup Midi Kit</b>	<b>500 preps/kit</b>	<b>Rs. 14,938.00</b>			<b>DFI300</b>
	<b>DNA Cleanup Kit</b>	<b>100 preps/kit</b>	<b>Rs. 4,858.00</b>			<b>DP100</b>
	<b>DNA Cleanup Kit</b>	<b>500 preps/kit</b>	<b>Rs. 13,090.00</b>			<b>DP300</b>
	<b>G-50 Gel Filtration Dye Terminator Removal</b>	<b>50 pcs/kit</b>	<b>Rs. 12,936.00</b>			<b>CG050</b>
						<b>Columns</b>
	<b>G-25 Gel Filtration Desalting Columns</b>	<b>50 pcs/kit</b>	<b>Rs. 18,606.00</b>			<b>CG025</b>
	<b>Presto™ 96 Well PCR Cleanup Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 14,784.00</b>			<b>96DFH02</b>
	<b>Presto™ 96 Well PCR Cleanup Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 25,872.00</b>			<b>96DFH04</b>
	<b>Presto™ 96 Well PCR Cleanup Kit</b>	<b>96 well plates/kit</b>	<b>Rs. 56,980.00</b>			<b>96DFH10</b>
	<b>Presto™ 96 Well Gel Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 14,784.00</b>			<b>96DFG02</b>
	<b>Presto™ 96 Well Gel Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 25,872.00</b>			<b>96DFG04</b>
	<b>Presto™ 96 Well Gel Extraction Kit</b>	<b>96 well plates/kit</b>	<b>Rs. 56,980.00</b>			<b>96DFG10</b>
<b>Genomic DNA Purification</b>						
	<b>Product Name</b>	<b>Specification</b>	<b>Price</b>			<b>Cat. No.</b>
	<b>Genomic DNA Mini Kit (Blood/Cultured Cell)</b>	<b>100 preps/kit</b>	<b>Rs. 8,330.00</b>			<b>GB100</b>
	<b>Genomic DNA Mini Kit (Blood/Cultured Cell)</b>	<b>500 preps/kit</b>	<b>Rs. 22,470.00</b>			<b>GB300</b>
	<b>Blood DNA Midi Kit</b>	<b>100 preps/kit</b>	<b>Rs. 49,980.00</b>			<b>GDI100</b>

	<b>Genomic DNA Maxi Kit (Blood/Cultured Cell)</b>	<b>10 preps/kit</b>	<b>Rs. 12,502.00</b>		<b>GDM010</b>
	<b>Genomic DNA Maxi Kit (Blood/Cultured Cell)</b>	<b>25 preps/kit</b>	<b>Rs. 27,930.00</b>		<b>GDM025</b>
	<b>Genomic DNA Mini Kit (Tissue)</b>	<b>50 preps/kit</b>	<b>Rs. 8,050.00</b>		<b>GT050</b>
	<b>Genomic DNA Mini Kit (Tissue)</b>	<b>100 preps/kit</b>	<b>Rs. 12,670.00</b>		<b>GT100</b>
	<b>Genomic DNA Mini Kit (Tissue)</b>	<b>300 preps/kit</b>	<b>Rs. 34,300.00</b>		<b>GT300</b>
	<b>Genomic DNA Mini Kit (Plant)</b>	<b>100 preps/kit</b>	<b>Rs. 12,348.00</b>		<b>GP100</b>
	<b>Genomic DNA Maxi Kit (Plant)</b>	<b>10 preps/kit</b>	<b>Rs. 9,800.00</b>		<b>GPM010</b>
	<b>Genomic DNA Maxi Kit (Plant)</b>	<b>25 preps/kit</b>	<b>Rs. 21,000.00</b>		<b>GPM025</b>
	<b>Geneius™ Micro gDNA Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 11,200.00</b>		<b>GMB100</b>
	<b>Geneius™ Micro gDNA Extraction Kit</b>	<b>300 preps/kit</b>	<b>Rs. 29,400.00</b>		<b>GMB300</b>
	<b>Presto™ Buccal Swab gDNA Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 12,670.00</b>		<b>GSK100</b>
	<b>Presto™ Buccal Swab gDNA Extraction Kit</b>	<b>300 preps/kit</b>	<b>Rs. 34,300.00</b>		<b>GSK300</b>
	<b>Presto™ Sperm DNA Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 11,340.00</b>		<b>GSP100</b>
	<b>Presto™ Sperm DNA Extraction Kit</b>	<b>300 preps/kit</b>	<b>Rs. 30,100.00</b>		<b>GSP300</b>
	<b>Presto™ Mini gDNA Yeast Kit</b>	<b>100 preps/kit</b>	<b>Rs. 21,700.00</b>		<b>GBYB100</b>
	<b>Presto™ Mini gDNA Yeast Kit</b>	<b>300 preps/kit</b>	<b>Rs. 62,300.00</b>		<b>GBYB300</b>
	<b>Presto™ Mini gDNA Bacteria Kit</b>	<b>100 preps/kit</b>	<b>Rs. 11,340.00</b>		<b>GBB101</b>
	<b>Presto™ Mini gDNA Bacteria Kit (w/Lysozyme)</b>	<b>100 preps/kit</b>	<b>Rs. 12,670.00</b>		<b>GBB100</b>
	<b>Presto™ Mini gDNA Bacteria Kit</b>	<b>300 preps/kit</b>	<b>Rs. 30,800.00</b>		<b>GBB301</b>
	<b>Presto™ Mini gDNA Bacteria Kit (w/Lysozyme)</b>	<b>300 preps/kit</b>	<b>Rs. 34,300.00</b>		<b>GBB300</b>
	<b>Presto™ gDNA Bacteria Advanced Kit</b>	<b>100 preps/kit</b>	<b>Rs. 23,100.00</b>		<b>GBBA100</b>
	<b>Presto™ gDNA Bacteria Advanced Kit</b>	<b>300 preps/kit</b>	<b>Rs. 66,500.00</b>		<b>GBBA300</b>
	<b>gSYNC™ DNA Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 10,780.00</b>		<b>GS100</b>
	<b>gSYNC™ DNA Extraction Kit</b>	<b>300 preps/kit</b>	<b>Rs. 28,700.00</b>		<b>GS300</b>
	<b>GENEzol™ DNA Reagent Plant</b>	<b>100 ml</b>	<b>Rs. 4,900.00</b>		<b>GR100</b>
	<b>GENEzol™ DNA Reagent Plant</b>	<b>200 ml</b>	<b>Rs. 8,400.00</b>		<b>GR200</b>
	<b>Geneaid™ DNA Isolation Kit (Blood)</b>	<b>1 ml/rxn</b>	<b>Rs. 9,520.00</b>		<b>GEB100</b>
	<b>Geneaid™ DNA Isolation Kit (Blood)</b>	<b>1 ml/rxn</b>	<b>Rs. 51,450.00</b>		<b>GEB01K</b>
	<b>Geneaid™ DNA Isolation Kit (Blood) Plus</b>	<b>1 ml/rxn</b>	<b>Rs. 57,050.00</b>		<b>GEB01K+</b>
	<b>Geneaid™ DNA Isolation Kit (Bacteria)</b>	<b>1 ml/rxn</b>	<b>Rs. 8,820.00</b>		<b>GEE150</b>
	<b>Geneaid™ DNA Isolation Kit (Bacteria)</b>	<b>1 ml/rxn</b>	<b>Rs. 39,200.00</b>		<b>GEE1.5K</b>

	<b>Geneaid™ DNA Isolation Kit (Bacteria) Plus</b>	<b>1 ml/rxn</b>	<b>Rs. 51,800.00</b>		<b>GEE1.5K+</b>
	<b>Geneaid™ DNA Isolation Kit (Tissue)</b>	<b>1 ml/rxn</b>	<b>Rs. 11,760.00</b>		<b>GET150</b>
	<b>Geneaid™ DNA Isolation Kit (Tissue)</b>	<b>1 ml/rxn</b>	<b>Rs. 70,000.00</b>		<b>GET1.5K</b>
	<b>Geneaid™ DNA Isolation Kit (Tissue) Plus</b>	<b>1 ml/rxn</b>	<b>Rs. 75,600.00</b>		<b>GET1.5K+</b>
	<b>Geneaid™ DNA Isolation Kit (Cultured Cell)</b>	<b>1 ml/rxn</b>	<b>Rs. 7,000.00</b>		<b>GEC150</b>
	<b>Geneaid™ DNA Isolation Kit (Cultured Cell)</b>	<b>1 ml/rxn</b>	<b>Rs. 39,200.00</b>		<b>GEC1.5K</b>
	<b>Geneaid™ DNA Isolation Kit (Cultured Cell) Plus</b>	<b>1 ml/rxn</b>	<b>Rs. 44,800.00</b>		<b>GEC1.5K+</b>
	<b>Geneaid™ DNA Isolation Kit (Yeast)</b>	<b>100 preps/kit</b>	<b>Rs. 7,700.00</b>		<b>GEY100</b>
	<b>Geneaid™ DNA Isolation Kit (Yeast)</b>	<b>300 preps/kit</b>	<b>Rs. 19,880.00</b>		<b>GEY300</b>
	<b>Presto™ Soil DNA Extraction Kit</b>	<b>50 preps/kit</b>	<b>Rs. 15,400.00</b>		<b>SLD050</b>
	<b>Presto™ Soil DNA Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 28,000.00</b>		<b>SLD100</b>
	<b>Presto™ Stool DNA Extraction Kit</b>	<b>50 preps/kit</b>	<b>Rs. 15,400.00</b>		<b>STLD050</b>
	<b>Presto™ Stool DNA Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 28,000.00</b>		<b>STLD100</b>
	<b>Presto™ Food DNA Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 13,300.00</b>		<b>FGD100</b>
	<b>Presto™ Food DNA Extraction Kit</b>	<b>300 preps/kit</b>	<b>Rs. 35,840.00</b>		<b>FGD300</b>
	<b>Urine DNA Extraction Kit</b>	<b>50 preps/kit</b>	<b>Rs. 9,100.00</b>		<b>UR050</b>
	<b>Urine DNA Extraction Kit</b>	<b>100 preps/kit</b>	<b>Rs. 16,380.00</b>		<b>UR100</b>
	<b>Presto™ 96 Well Blood Genomic DNA Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 25,200.00</b>		<b>96GBP02</b>
	<b>Presto™ 96 Well Blood Genomic DNA Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 46,200.00</b>		<b>96GBP04</b>
	<b>Presto™ 96 Well Blood Genomic DNA Extraction Kit</b>	<b>96 well plates/kit</b>	<b>Rs. 98,000.00</b>		<b>96GBP10</b>
	<b>gSYNC™ 96 Well DNA Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 28,000.00</b>		<b>96GS002</b>
	<b>gSYNC™ 96 Well DNA Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 52,500.00</b>		<b>96GS004</b>
	<b>gSYNC™ 96 Well DNA Extraction Kit</b>	<b>96 well plates/kit</b>	<b>Rs. 112,000.00</b>		<b>96GS010</b>
	<b>Presto™ 96 Well Sperm DNA Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 29,400.00</b>		<b>96GSP02</b>
	<b>Presto™ 96 Well Sperm DNA Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 55,160.00</b>		<b>96GSP04</b>
	<b>Presto™ 96 Well Sperm DNA Extraction Kit</b>	<b>96 well plates/kit</b>	<b>Rs. 117,600.00</b>		<b>96GSP10</b>
	<b>Presto™ 96 Well Plant Genomic DNA Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 30,100.00</b>		<b>96GPP02</b>
	<b>Presto™ 96 Well Plant Genomic DNA Extraction Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 56,000.00</b>		<b>96GPP04</b>
	<b>Presto™ 96 Well Plant Genomic DNA Extraction Kit</b>	<b>96 well plates/kit</b>	<b>Rs. 119,000.00</b>		<b>96GPP10</b>
	<b>Presto™ 96 Well gDNA Bacteria Kit</b>	<b>6 well plates/kit</b>	<b>Rs. 35,000.00</b>		<b>96GBB02</b>



	Presto™ 96 Well gDNA Bacteria Kit	6 well plates/kit	Rs. 65,800.00			96GBB04
	Presto™ 96 Well gDNA Bacteria Kit	96 well plates/kit	Rs. 147,000.00			96GBB10
	Presto™ 96 Well DNA Bacteria Advanced Kit	6 well plates/kit	Rs. 60,200.00			96GBBA02
	Presto™ 96 Well DNA Bacteria Advanced Kit	6 well plates/kit	Rs. 116,200.00			96GBBA04
	Presto™ 96 Well DNA Bacteria Advanced Kit	96 well plates/kit	Rs. 252,000.00			96GBBA10
	Presto™ gDNA 96 Well Binding Plate	96 well plates	Rs. 14,000.00			96GBP005
	Presto™ gDNA 96 Well Binding Plate	x 96 well plates	Rs. 252,000.00			96GBP100
	ZEROprep™ DNA Reagent	50 ml	Rs. 5,880.00			ZDR050
	ZEROprep™ DNA Reagent	100 ml	Rs. 10,500.00			ZDR100
<b>Total RNA Purification</b>						
	Total RNA Mini Kit (Blood/Cultured Cell)	50 preps/kit	Rs. 10,472.00			RB050
	Total RNA Mini Kit (Blood/Cultured Cell)	100 preps/kit	Rs. 18,998.00			RB100
	Total RNA Mini Kit (Blood/Cultured Cell)	300 preps/kit	Rs. 49,210.00			RB300
	Total RNA Mini Kit (Blood/Cultured Cell) w/DNase	50 preps/kit	Rs. 12,670.00			RBD050
						Set
	Total RNA Mini Kit (Blood/Cultured Cell) w/DNase	100 preps/kit	Rs. 22,946.00			RBD100
						Set
	Total RNA Mini Kit (Blood/Cultured Cell) w/DNase	300 preps/kit	Rs. 59,430.00			RBD300
						Set
	Total RNA Mini Kit (Plant)	50 preps/kit	Rs. 11,242.00			RP050
	Total RNA Mini Kit (Plant)	100 preps/kit	Rs. 19,712.00			RP100
	Total RNA Mini Kit (Plant)	300 preps/kit	Rs. 51,128.00			RP300
	Total RNA Mini Kit (Plant) w/DNase Set	50 preps/kit	Rs. 13,370.00			RPD050
	Total RNA Mini Kit (Plant) w/DNase Set	100 preps/kit	Rs. 23,590.00			RPD100
	Total RNA Mini Kit (Plant) w/DNase Set	300 preps/kit	Rs. 61,180.00			RPD300
	Presto FFPE RNA Mini Kit	50 preps/kit	Rs. 10,626.00			RF050
	Presto FFPE RNA Mini Kit	100 preps/kit	Rs. 19,320.00			RF100
	Total RNA Mini Kit (Tissue)	50 preps/kit	Rs. 10,626.00			RT050
	Total RNA Mini Kit (Tissue)	100 preps/kit	Rs. 19,320.00			RT100
	Total RNA Mini Kit (Tissue)	300 preps/kit	Rs. 50,820.00			RT300
	Total RNA Mini Kit (Tissue) w/DNase Set	50 preps/kit	Rs. 12,810.00			RTD050

	<b>Total RNA Mini Kit (Tissue) w/DNase Set</b>	<b>100 preps/kit</b>	<b>Rs. 23,240.00</b>			<b>RTD100</b>
	<b>Total RNA Mini Kit (Tissue) w/DNase Set</b>	<b>300 preps/kit</b>	<b>Rs. 60,900.00</b>			<b>RTD300</b>
	<b>rSYNC™ RNA Isolation Kit</b>	<b>50 preps/kit</b>	<b>Rs. 10,626.00</b>			<b>RS050</b>
	<b>rSYNC™ RNA Isolation Kit</b>	<b>100 preps/kit</b>	<b>Rs. 19,320.00</b>			<b>RS100</b>
	<b>rSYNC™ RNA Isolation Kit</b>	<b>300 preps/kit</b>	<b>Rs. 50,820.00</b>			<b>RS300</b>
	<b>rSYNC™ RNA Isolation Kit w/DNase Set</b>	<b>50 preps/kit</b>	<b>Rs. 12,810.00</b>			<b>RSD050</b>
	<b>rSYNC™ RNA Isolation Kit w/DNase Set</b>	<b>100 preps/kit</b>	<b>Rs. 23,240.00</b>			<b>RSD100</b>
	<b>rSYNC™ RNA Isolation Kit w/DNase Set</b>	<b>300 preps/kit</b>	<b>Rs. 60,900.00</b>			<b>RSD300</b>
	<b>Presto™ Mini RNA Bacteria Kit</b>	<b>50 preps/kit</b>	<b>Rs. 10,472.00</b>			<b>RBB050</b>
	<b>Presto™ Mini RNA Bacteria Kit</b>	<b>100 preps/kit</b>	<b>Rs. 18,998.00</b>			<b>RBB100</b>
	<b>Presto™ Mini RNA Bacteria Kit</b>	<b>300 preps/kit</b>	<b>Rs. 49,210.00</b>			<b>RBB300</b>
	<b>Presto™ Mini RNA Bacteria Kit w/DNase Set</b>	<b>50 preps/kit</b>	<b>Rs. 12,670.00</b>			<b>RBB050</b>
	<b>Presto™ Mini RNA Bacteria Kit w/DNase Set</b>	<b>100 preps/kit</b>	<b>Rs. 22,946.00</b>			<b>RBB100</b>
	<b>Presto™ Mini RNA Bacteria Kit w/DNase Set</b>	<b>300 preps/kit</b>	<b>Rs. 59,430.00</b>			<b>RBB300</b>
	<b>Presto™ Mini RNA Yeast Kit</b>	<b>50 preps/kit</b>	<b>Rs. 11,242.00</b>			<b>RBY050</b>
	<b>Presto™ Mini RNA Yeast Kit</b>	<b>100 preps/kit</b>	<b>Rs. 20,020.00</b>			<b>RBY100</b>
	<b>Presto™ Mini RNA Yeast Kit</b>	<b>300 preps/kit</b>	<b>Rs. 50,820.00</b>			<b>RBY300</b>
	<b>Presto™ Mini RNA Yeast Advanced Kit</b>	<b>50 preps/kit</b>	<b>Rs. 17,220.00</b>			<b>RBYA050</b>
	<b>Presto™ Mini RNA Yeast Advanced Kit</b>	<b>100 preps/kit</b>	<b>Rs. 32,200.00</b>			<b>RBYA100</b>
	<b>Presto™ Mini RNA Yeast Advanced Kit</b>	<b>300 preps/kit</b>	<b>Rs. 81,200.00</b>			<b>RBYA300</b>
	<b>Presto™ Mini RNA Yeast Kit w/DNase Set</b>	<b>50 preps/kit</b>	<b>Rs. 13,370.00</b>			<b>RBYD050</b>
	<b>Presto™ Mini RNA Yeast Kit w/DNase Set</b>	<b>100 preps/kit</b>	<b>Rs. 23,590.00</b>			<b>RBYD100</b>
	<b>Presto™ Mini RNA Yeast Kit w/DNase Set</b>	<b>300 preps/kit</b>	<b>Rs. 61,180.00</b>			<b>RBYD300</b>
	<b>Presto™ Mini RNA Yeast Advanced Kit w/DNase Set</b>	<b>50 preps/kit</b>	<b>Rs. 19,320.00</b>			<b>RBYAD050</b>
	<b>Presto™ Mini RNA Yeast Advanced Kit w/DNase Set</b>	<b>100 preps/kit</b>	<b>Rs. 35,700.00</b>			<b>RBYAD100</b>
	<b>Presto™ Mini RNA Yeast Advanced Kit w/DNase Set</b>	<b>300 preps/kit</b>	<b>Rs. 91,280.00</b>			<b>RBYAD300</b>
	<b>miRNA Isolation Kit</b>	<b>50 preps/kit</b>	<b>Rs. 12,320.00</b>			<b>RMI050</b>
	<b>GENEzol™ Reagent</b>	<b>50 ml</b>	<b>Rs. 5,145.00</b>			<b>GZR050</b>
	<b>GENEzol™ Reagent</b>	<b>100 ml</b>	<b>Rs. 8,960.00</b>			<b>GZR100</b>
	<b>GENEzol™ Reagent</b>	<b>200 ml</b>	<b>Rs. 16,170.00</b>			<b>GZR200</b>

	GENEzol™ TriRNA Bacteria Kit	50 rxns		Rs. 10,780.00			GZB050
	GENEzol™ TriRNA Bacteria Kit	100 rxns		Rs. 19,712.00			GZB100
	GENEzol™ TriRNA Bacteria Kit	200 rxns		Rs. 35,420.00			GZB200
	GENEzol™ TriRNA Bacteria Kit w/DNase Set	50 rxns		Rs. 12,950.00			GZBD050
	GENEzol™ TriRNA Bacteria Kit w/DNase Set	100 rxns		Rs. 23,590.00			GZBD100
	GENEzol™ TriRNA Bacteria Kit w/DNase Set	200 rxns		Rs. 42,700.00			GZBD200
	GENEzol™ TriRNA Pure Kit	0 rxns/preps		Rs. 8,932.00			GZX050
	GENEzol™ TriRNA Pure Kit	00 rxns/preps		Rs. 15,400.00			GZX100
	GENEzol™ TriRNA Pure Kit	00 rxns/preps		Rs. 26,180.00			GZX200
	GENEzol™ TriRNA Pure Kit	0 rxns/preps		Rs. 9,702.00			GZX050-P
	GENEzol™ TriRNA Pure Kit	00 rxns/preps		Rs. 16,940.00			GZX100-P
	GENEzol™ TriRNA Pure Kit	00 rxns/preps		Rs. 29,260.00			GZX200-P
	GENEzol™ TriRNA Pure Kit w/DNase Set	0 rxns/preps		Rs. 11,270.00			GZXD050
	GENEzol™ TriRNA Pure Kit w/DNase Set	00 rxns/preps		Rs. 19,670.00			GZXD100
	GENEzol™ TriRNA Pure Kit w/DNase Set	00 rxns/preps		Rs. 37,100.00			GZXD200
	GENEzol™ TriRNA Pure Kit w/DNase Set	0 rxns/preps		Rs. 11,970.00			GZXD050-P
	GENEzol™ TriRNA Pure Kit w/DNase Set	00 rxns/preps		Rs. 21,070.00			GZXD100-P
	GENEzol™ TriRNA Pure Kit w/DNase Set	00 rxns/preps		Rs. 39,900.00			GZXD200-P
	TriRNA Pure Kit	50 preps/kit		Rs. 6,930.00			TRP050
	TriRNA Pure Kit	00 preps/kit		Rs. 11,550.00			TRP100
	TriRNA Pure Kit	00 preps/kit		Rs. 20,790.00			TRP200
	TriRNA Pure Kit w/DNase Set	50 preps/kit		Rs. 9,450.00			TRPD050
	TriRNA Pure Kit w/DNase Set	00 preps/kit		Rs. 16,100.00			TRPD100
	TriRNA Pure Kit w/DNase Set	00 preps/kit		Rs. 32,200.00			TRPD200
<b>Viral RNA Extraction Kits (Specially design for COVID-19)</b>							
MagPure Viral Nucleic Acid Isolation Kit (for 96 automated machine)	High Throughput, Automated extraction, <b>Magnetic beads based, Pre mixed 96 well plate/direct use</b>	1*96 Test		Rs. 14,950.00			IVD5412-F-96

MagPure Viral Nucleic Acid Isolation Kit (for 32/48 automated machine)	High Throughput, Automated extraction, <b>Magnetic beads based, Pre mixed plate/direct use</b>	6*16 Test		Rs. 14,950.00			IVD5412-F-06
MagPure Viral Nucleic Acid Isolation Kit (Magnetic Beads)	High Throughput, Fast, Manual/Automated extraction	500 Test		Rs. 65,000.00			CE5412
HiPure Viral Nucleic Acid Isolation Kit (Mini Column)	Fast, Efficiency of Viral RNA Extarction	500 Test		Rs. 65,000.00			R4173-03F
HiPure Viral Nucleic Acid 96 Kit (96 Well Collumn Plate)	Quick, High Throughput <b>96 well RNA Column plate based</b>	4*96 Test		Rs. 78,000.00			R4175F
<b>DNA/RNA Binding Columns</b>							
HiPure RNA Mini Column	General RNA/Wide use, cells, tissue, biological fluids and b	1000pcs		Rs. 25,200.00			R50011
HiPure Viral DNA/RNA Column	High purity viral DNA/RNA, wide range of viral sample	1000pcs		Rs. 25,200.00			D50041
96 well Plate RNA Column	High Throughput of RNA Extraction, 96 samples	10pcs		Rs. 22,400.00			D80061
96 Deep Well Plate	2.0ml deep well plate use with 96 column plate	10pcs		Rs. 4,200.00			D80021
<b>Magnetic Beads</b>							
MagPure Particles N	General DNA/RNA Extraction, cost effective, fast, <del>Suitable for genomic DNA extraction such as</del>	100ml		Rs. 70,000.00			MPN-100
MagPure Particles	blood/tissue/dry blood spot/plant/saliva/swab/viral <del>DNA/RNA samples</del>	100ml		Rs. 70,000.00			MP-100
MagPure Particles G	Suitable for circulating DNA/RNA extraction, NGS cfDNA extraction	100ml		Rs. 88,900.00			MPG-100
<b>Enzymes</b>							

<b>HiPure Protease</b>	<b>≥8 Anson Units/ml, 10~20ul per test cost effective</b>	<b>1000ml</b>		<b>Rs. 280,000.00</b>			<b>E20071</b>
<b>HiPure Proteinase k (Powder)</b>	<b>40U/mg</b>	<b>1gram</b>		<b>Rs. 17,500.00</b>			<b>E20041</b>
<b>HiPure RNase A</b>	<b>≥2000 Kunitz units/mg</b>	<b>1gram</b>		<b>Rs. 21,000.00</b>			<b>E20051</b>
<b>Poly A Carrier RNA</b>	<b>for viral RNA extraction</b>	<b>1gram</b>		<b>Rs. 28,000.00</b>			<b>CR1000</b>
<b>Chemicals</b>							
<b>Guanidine Hydrochloride</b>	<b>CAS: 50-01-1 Purity: ≥99.5% Molecular biology grade</b>	<b>25kg</b>		<b>Rs. 105,000.00</b>			<b>C10051</b>
<b>Guanidine Thiocyanate</b>	<b>CAS: 593-84-0 Purity: ≥99.5% Molecular biology grade</b>	<b>25kg</b>		<b>Rs. 122,500.00</b>			<b>C10061</b>

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# 03

## **CORPORATE SERVICE**

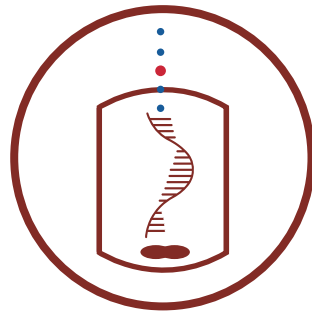
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# 04

## **PRODUCT LIST**

Appendix: Hzymes Product Directory P25



# 2



# **PRODUCT INTRODUCTION**





02

## mRNA Products

## Template Production

## Restriction Endonuclease Bsa I &amp; BspQ I

During the DNA template preparation and plasmid linearization stages, restriction endonucleases Bsa I and BspQ I will cleave the constructed plasmid and process it into a linearized double-stranded DNA template for the next stage of mRNA synthesis.

## Features

- ★ High efficiency and rapid reaction completion
- ★ High thermal stability, ensuring reaction efficiency
- ★ No star activity, ensuring product purity
- ★ No animal origin, reduced immunogenicity

**Bsa I identification sequence and cleavage sites are as follows:**

5'.....GGTCTC(N).....3'  
3'.....CCAGAG(NNNNN).....5'

**BspQ I identification sequence and cleavage sites are as follows:**

5'.....GCTCTTC(N).....3'  
3'.....CGAGAAG(NNNN).....5'



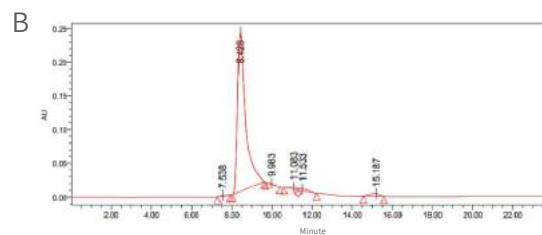
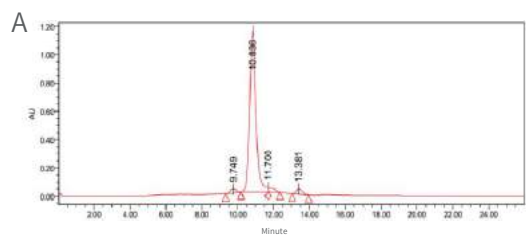
# In Vitro Transcription and Modification

## IVT Overall Solution - High Yield RNA Synthesis Kit

Using a kit can quickly obtain various types of RNA suitable for downstream applications, especially suitable for high concentration substrate (10mM) reaction systems, and assist in efficient industrial production of mRNA. At the same time, we provide a co-transcription and capping kit containing cap analogues to help complete the entire process of efficient transcription and capping in one step, and address the needs of mRNA production in a one-stop manner.

### Features

- ★ All in one, efficiently solving optimization needs
- ★ High adaptability
- ★ High yield, high purity, and high capping rate
- ★ 6 NTPs, 2 Cap1 analogs, easy to handle various processes



A: The HPLC results of Waters2695 show that the purity of the transcribed mRNA (1000nt) can reach 96.96%  
 B: The HPLC results of Waters2695 show that the purity of the transcribed mRNA (4000nt) can reach 95.75%

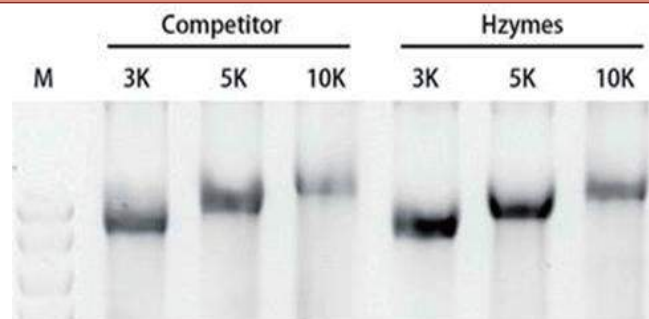
## In Vitro Transcription and Modification

### T7 RNA Polymerase

RNA polymerase is a key enzyme for the mRNA in vitro transcription. T7 RNA polymerase highly specifically recognizes the T7 promoter sequence, using single or double stranded DNA containing the T7 promoter sequence as a template and nucleotides as a substrate to synthesize RNA complementary to single-stranded DNA.

### Features

- ★ High yield, high purity, and high fidelity
- ★ Excellent transcription performance for long template
- ★ Good compatibility of modified nucleotides
- ★ Low dsRNA production
- ★ No animal origin



Compared to competing products, Hzymes T7 RNA polymerase has a higher RNA production rate



## In Vitro Transcription and Modification

### Inorganic Pyrophosphatase (yeast)

Inorganic Pyrophosphatase is produced by recombinant expression of E.coli. Combined with  $Mg^{2+}$ , it can catalyze the hydrolysis of inorganic pyrophosphate to generate phosphate, and avoid its inhibition of the reaction system, so as to increase the yield of in vitro transcribed hydrolysis of inorganic pyrophosphate to generate phosphate, and avoid its inhibition of the reaction system, so as to increase the yield of in vitro transcribed RNA.

### Recombinant RNase Inhibitor

During RNA preparation, RNase contamination from tips, tubes, or other reagents can lead to RNA degradation. As a preventive measure, the recombinant RNase inhibitor in the system forms a 1:1 complex with RNase A to inhibit the activity of the latter and ensure the stability and integrity of mRNA.

### Features

- ★ Efficient inhibition of RNase A/B/C activity
- ★ High temperature stability
- ★ No animal origin

### Enzyme MIX

T7 RNA polymerase, inorganic pyrophosphatase and recombinant RNase inhibitors are mixed in a certain proportion. The Enzyme MIX can further increase production, improve purity, and more efficiently assist production enterprises and scientific research institutions in optimizing the system and improving production capacity.

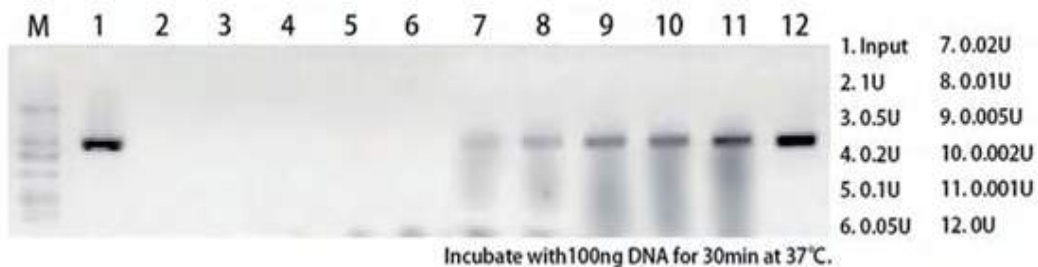
## In Vitro Transcription and Modification

### DNase I

For the remaining DNA in the material, DNase I can perform nonspecific cleavage of single or double stranded DNA and generate two or three oligonucleotide products, achieving degradation, ensuring the integrity of mRNA.

### Features

- ★ High enzyme activity, micro use, efficient template removal
- ★ No RNase activity, no effect on RNA



High enzyme activity, efficient DNA removal with minimal use

### Vaccinia Virus Capping Enzyme

Produced by recombinant expression in E.coli, 7-methylguanylic acid cap structure cap0 can be added to the 5' end of mRNA, which is called capping. The capping process increases the stability of mRNA, reduces immunogenicity, and it can be successfully recognized by ribosomes and initiate the subsequent translation process. The capping rate can be up to 100 %.



## In Vitro Transcription and Modification

### mRNA Cap-2'-oxymethyltransferase

Produced by recombinant expression in E.coli, mRNA Cap-2'-oxymethyltransferase can specifically transfer the methylation of the methylation donor SAM to the Cap0 structure of RNA and form the Cap1 structure. This could enhance the translation and expression efficiency of mRNA after transfection, improve the protein expression level of mRNA coding, and reduce the immunogenicity of mRNA in vivo.

### Alkaline Phosphatase

Produced by recombinant expression in Escherichia coli, Alkaline Phosphatase can non-specifically catalyze the dephosphorylation of phosphate monoester bonds at the 5' and 3' ends of DNA and RNA, and can also catalyze the dephosphorylation of NTPs and dNTPs.

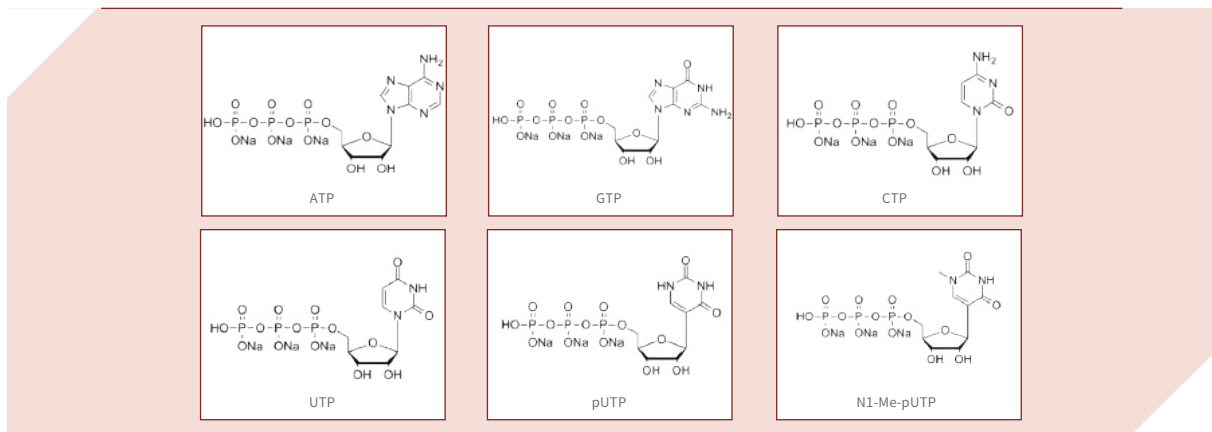
### Poly (A) Polymerase

In the mRNA tailing stage, Poly (A) Polymerase catalyzes the addition of AMP converted from ATP to the 3' end of RNA, that is, adding Poly (A) tails to RNA to maintain the activity of mRNA as a translation template. At the same time, it increases the stability of mRNA itself.

## Synthetic Substrates and Components

### Nucleotide and Modified Nucleotide Series

Ultra-high amplification performance & fully benchmarked first-line brands & high purity & no impurities & ultra-low metal residues.



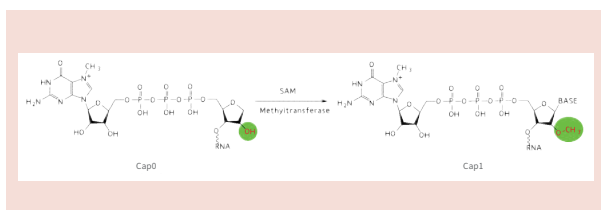
### Cap Analog

Provides two cap analogs with different modifications to meet the process requirements of different products.

- ★ Cap Analogue Cap1 (3'OH AG)
- ★ Cap Analogue Cap1 (3'OMe AG)

### S-adenosylmethionine(SAM)

SAM is the most important methyl donor in the body. During the capping process of mRNA, SAM and methyltransferase are used together to convert the Cap0 structure of the 5'cap region into the Cap1 structure.





02

## Biopharmaceutical Quality Control Kit

### Double-stranded RNA (dsRNA) ELISA Kit

The mRNA transcribed in vitro will form double strands (intramolecular and intermolecular) in the solution state, and the dsRNA by-products produced during the preparation process will not only reduce the efficacy of vaccines and drugs, but also cause adverse immune reactions, so ensuring that there are no dsRNA impurities in the product is an extremely important part of the quality control of mRNA biological preparations.

Multiple biopharmaceutical guidance documents clearly stipulate the need for quality control of dsRNA. Our dsRNA quantitative detection kit is accurately quantified by the ELISA method, helping mRNA pharmaceutical companies to solve quality control problems.

### Features

- ★ 4 kinds of standards, accurate quantification of various modification types
- ★ High sensitivity, the detection limit of ELISA can reach 3pg / well
- ★ High specificity, specific recognition of dsRNA, no affinity with other types of nucleic acid fragments
- ★ Easy and fast operation, pre-coated treatment, no need to self-coat

Antigen concentration (pg/μl)	UTP	pUTP	N1-Me-pUTP	5-OMe-UTP
1	2.4675	2.8386	2.6829	1.0914
0.25	0.9013	1.0268	0.8882	0.3614
0.0625	0.2812	0.3252	0.2807	0.1523
0	0.0662	0.0752	0.0648	0.0756

Different types of modified dsRNA at the same concentration have different recognition signals, and the use of different types of standards is crucial to ensure the accuracy of the results.



02

## Biopharmaceutical Quality Control Kit

### DNase/RNase Assay Kit (Fluorescence)

DNase / RNase, as an exonuclease, is ubiquitous in the environment, and a small amount of pollution can cause the degradation of a large amount of DNA / RNA. The impurities introduced by the biopharmaceutical manufacturing process will affect the quality and safety of the product, so it is particularly important to effectively remove the impurities in the production process. We provide two kits for the detection of DNase / RNase residues, respectively, to detect enzyme residues and help fulfill quality control requirements.

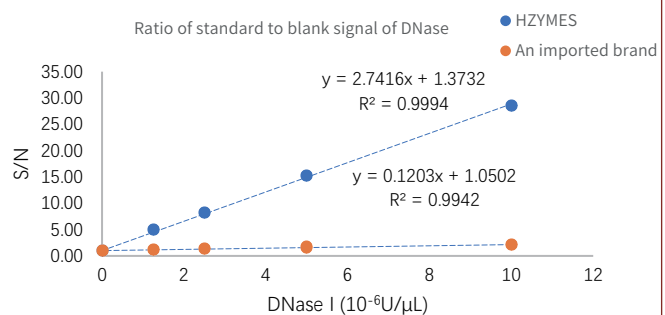
### Application Scenario

- ★ DNA or mRNA drug/vaccine pilot test and environmental control in the production process
- ★ Production quality control and release of consumables, reagents, and packing manufacturers
- ★ Residual detection of process impurities in intermediate products (stock solutions or semi-finished products) of vaccines, antibodies, gene therapy and other biological products

### Features

- ★ High sensitivity , detection limit as low as  $1.25 \times 10^{-6}$  U/  $\mu$ L (DNase I), only 1/8 of the same imported kit
- ★ High precision , intra-assay CV  $\leq 10\%$ , inter-assay CV  $\leq 15\%$
- ★ Good stability , valid for one year at  $-20^{\circ}\text{C}$  . After the probe solution is prepared, aliquot it and store it at  $-20^{\circ}\text{C}$

At low concentration of DNase I ( $1 \times 10^{-6}$  ~  $10 \times 10^{-6}$  U/ $\mu$ L ), the S/N value measured by an imported brand is close to 1, while Hzymes shows a multiple increase.





**02**

# Biopharmaceutical Quality Control Kit

## N- glycan Kit

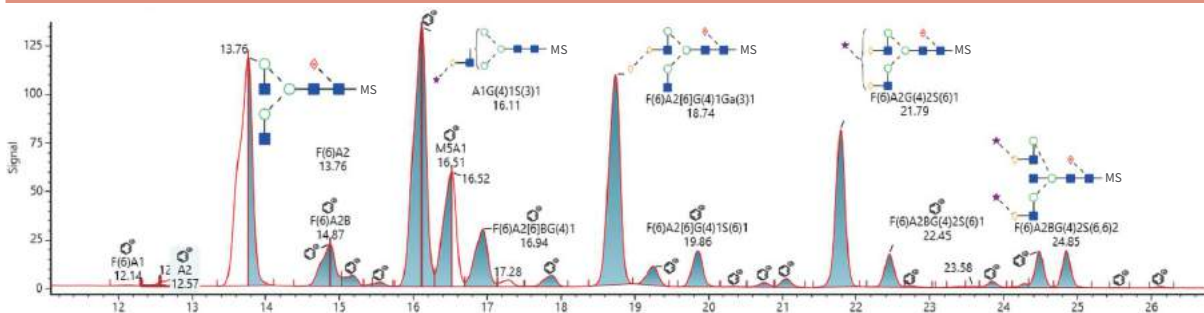
N-Glycan is an oligosaccharide structure containing Man3-GlcNAc2, which is connected to the polypeptide chain of the protein through a glycosidic bond between the NH2 group of the terminal N-acetylglucosamine (GlcNAc) and asparagine connect. Glycosylation modification plays an important role in maintaining the spatial conformation of the antibody molecule, stabilizing the structure of the antibody, and maintaining the biological function of the antibody, which in turn affects the half-life, effectiveness, and safety of the drug. Therefore, glycosylation is usually one of the CQA (Critical Quality Attributes) of antibody drugs. Drug regulatory agencies in various countries require strict control of the degree of glycosylation of antibody drugs. Our N- glycan analysis kit can quickly release glycosyl groups and provide high-intensity fluorescent signals to facilitate the development and verification of antibody drugs.

### Features

- ★ Efficient pre-processing process
- ★ High signal intensity for fluorescence and mass spectrometry analysis
- ★ Accurate molecular weight mark
- ★ Good stability, CV<1 0%

Item name: 3-3

Channel name: FLR A : Integrated



Each glycosyl group signal shows good

02

## Biopharmaceutical Quality Control Kit

### CHO HCP ELISA Kit

Host cell protein (HCP) refers to the protein components derived from host cells in viral vaccines and genetically engineered drugs, including host cell structural proteins and transforming proteins (growth-promoting proteins secreted by cells). HCP residues may cause a series of problems, including inducing the body to produce anti-HCP antibodies, causing allergic reactions; "adjuvant effect" causing the body to produce antibodies to protein drugs, affecting the therapeutic effect of the drug; having a direct impact on the quality of the product itself. For example, trace amounts of proteolytic HCPs can also slowly cleave target protein products, reducing or eliminating their biological efficacy or altering their stability. Therefore, HCP analysis and residue removal is an important part throughout the pharmaceutical manufacturing process, helping to monitor the manufacturing process and ensure the efficacy and safety of the product.

### Application Scenario

Application scenario: for the residual detection of host cell protein (HCP) in biological products (antibody drugs, recombinant protein drugs, vaccines, etc.) expressed in Chinese hamster ovary (CHO) cell lines, and for the purification of expression products of various CHO host cells. Control of CHO HCP residues in process development, process control, and finished product release.

### Features

- ★ High sensitivity, detection limit as low as 0.7ng/ml
- ★ Good Stability intra-batch CV $\leq$ 10%, inter-batch CV $\leq$ 15%
- ★ Short detection time

### CHO DNA Assay Kit

- ★ CHO DNA assay Kit utilizes the qPCR detection principle of TaqMan fluorescent probe to quantitatively detect CHO cell residual DNA in biological products such as recombinant proteins, antibodies, vaccines, etc., which is rapid and highly specific.
- ★ This test method can be traced back to the methods of the Chinese Pharmacopoeia, General Rule<3407>.

### Vero DNA Assay Kit

- ★ Vero DNA assay Kit is a kit for quantitative detection of Vero host cell DNA residues in intermediate, semi-finished, and finished products of various biological products. This kit utilizes the TaqMan fluorescence probe principle to quantitatively detect Vero residual DNA in samples.
- ★ Fast in detection, strong specificity, reliable performance, and the Limit of Detection can reach the fg level.
- ★ The Vero DNA quantitative reference material matched with the kit has been traced to national standards.

### E.coli DNA Assay Kit

- ★ E.coli DNA assay Kit utilizes the qPCR detection principle of TaqMan fluorescent probes to quantitatively determine the residual DNA of E.coli cells in biological products such as recombinant proteins, antibodies, vaccines, and so on. The detection is fast and highly specific.
- ★ This test method can be traced back to the methods of the Chinese Pharmacopoeia, General Rule<3407>.

### Mag TR DNA Kit

- ★ The host cell residual DNA sample pretreatment kit is suitable for the pretreatment of residual DNA detection in biological product samples. This kit adopts the principle of magnetic bead method for DNA extraction, which can maximize the separation and purification of host DNA in samples, and achieve the recovery of trace DNA samples from different complex matrices.
- ★ The pretreatment kit is used in conjunction with the host residual DNA (qPCR) detection kit.



## Ultra Nuclease Assay Kit (ELISA)

In biological products treated with totipotent nuclease, there may be trace amounts of nuclease residues, which will affect the subsequent application of biological products and may cause toxicity or immune reactions. Therefore, accurate detection of nuclease residues is an important condition to ensure the activity and safety of related biological products.

\* Need to use the corresponding manufacturer's standard to draw a standard curve

- ★ High sensitivity, The limit of detection  $\leq 0.2$  ng/ml
- ★ Dual versions, linearity covers 0.02-20 ng / ml , suitable for different scenarios
- ★ Good Stability intra-batch CV $\leq 10\%$ , inter-batch CV $\leq 15\%$
- ★ Strong adaptability, can be used for the detection of totipotent nuclease from different manufacturers\*

## ELISA Kit for Trypsin

The kit is used for the quantitative determination of porcine trypsin ( Trypsin ) in the downstream purification process of biological products, and can identify the common recombinant porcine trypsin and trypsin (porcine pancreas) on the market.

\* Need to use the corresponding manufacturer's standard to draw a standard curve

- ★ High sensitivity, the lowest detection limit  $\leq 0.003$ ng/mL
- ★ Stable performance, intra-batch and inter-batch CV $\leq 10\%$
- ★ Strong adaptability, can be used for the detection of recombinant trypsin from different manufacturers or trypsin extracted from pig and bovine pancreas\*



**02**

## Enzymes for Biopharmaceutical Applications

### Ultra Nuclease

Ultra Nuclease , also known as non-restrictive endonuclease and broad-spectrum nuclease, is a non-specific endonuclease derived from *Serratia marcescens* . It degrades all forms of DNA and RNA, including single-stranded, double-stranded, linear, circular, double-helix, native and denatured nucleic acids. It has no special requirements on the nucleic acid base sequence, and can cut between any nucleotides in the chain . It is the preferred host nucleic acid remover in the biopharmaceutical industry.

### Application Scenario

- ★ Purification of Biological Products: Process Purification of Viral Vaccines, Vaccine Virus Vectors, Cell and Gene Therapy
- ★ Particle pretreatment: remove the nucleic acid wound on the surface of the virus particle, which is conducive to the release and purification of the virus
- ★ Reduce viscosity: remove the nucleic acid in the crude extract, reduce the viscosity of the solution, and increase the self-production of protein
- ★ Reduce clumping of stored peripheral blood monocyctic cells (PBMC)

### Features

- ★ High enzyme activity, enzyme specific activity  $\geq 1.00 \times 10^6$  U/mg
- ★ Good thermal and freeze-thaw stability
- ★ Stable quality, inter-batch CV<5%
- ★ The product has obtained DMF record
- ★ Animal origin free

02

## Enzymes for Biopharmaceutical Applications

### Recombinant Trypsin / Recombinant Trypsin Digestion

Trypsin is a serine protease that can specifically cleave lysine and arginine C-terminal peptide bonds, and is widely used in the dissociation of tissues and monolayer cells; recombinant trypsin can be expressed in *Escherichia coli* or *Pichia pastoris* as a host scale chemical production. Compared with trypsin extracted from pig and bovine pancreas, recombinant trypsin has higher biological safety, and it can especially replace traditional trypsin extracted for vaccines, stem cells, immune cell therapy, insulin production and other organisms that have strict restrictions on animal-derived materials in pharmaceutical industry . It can be used for the digestion of adherent cells such as CHO, VERO, MDCK, human diploid cells, primary chicken embryo cells, 293, and iPSC etc..

### Application Scenario

★ **Cell culture:**

Tissue block digestion, Primary Cell Acquisition  
 Passage Digestion of Adherent Cells  
 Digestion of cells cultured by the microcarrier method  
 Split virus

★ **Recombinant protein production and scientific research:**

Recombinant insulin production  
 Specific enzymatic digestion process such as proteomics research

### Features

- ★ GMP grade, no animal source, higher safety
- ★ Good thermal and freeze-thaw stability
- ★ Stable quality, inter-batch CV<5%



02

## Enzymes for Biopharmaceutical Applications

### PNGase F (N-Glycoamidase F or Peptide N-Glycosidase F)

The most efficient method to remove almost all N-glycans chain from glycoproteins is Peptide N-Glycosidase F, which is an amidase that cleaves N-linked sugar chains on glycoproteins. The cleaved glycoforms are high mannose, hybrid and complex oligosaccharides; the cleavage site is the glycosidic bond between the innermost N-acetylglucosamine and asparagine.

#### Features

- ★ High purity, high specific activity, equal volume and high efficacy, N-linked sugar release effect is better
- ★ Good stability at 4 °C
- ★ Good thermal acceleration stability
- ★ Two specifications to meet the needs of different applications

	HH6901	HH6902 (fast version)
Glycoprotein hydrolysis site	Cleaves all N-glycans except those containing $\alpha$ 1-3 fucosidic linkages	All N-glycans are released rapidly and without preference
Reagent composition	PNGase F, 10× Glycoprotein Denaturing Buffer, 10× GlycoBuffer 2, 10% NP-40	PNGase F-Fast, 5 × PNGase F-Fast buffer
The amount of protein cleaved by 1 $\mu$ l enzyme	1-20 $\mu$ g	100 $\mu$ g
Steps	Incubate at 37°C for 60 min	One-step method : incubate at 50 °C for 10 min; Two-step method: incubate at 80°C for 2 minutes + incubate at 50°C for 10 minutes



03

## Corporate Service

### mRNA CRO Service

Hzymes has rich experiences in the field of CRO services. We have cooperated with more than 30 companies and completed more than 80 projects.

#### Customized services Provided by Hzymes Biotech

- ★ Sequence Design & Proof of Concept
- ★ Production process development
- ★ Production of mRNA stock solution
- ★ LNP encapsulation
- ★ Quality inspection method development and validation
- ★ Nucleic acid purity detection, mRNA capping rate, mRNA A-tail length, double-stranded RNA residue in mRNA, sample's RNase residue detection, sample's DNase detection and other testing services can be provided by Hzymes Biotech.





03

## Corporate Service

### Recombinant Protein CRO / CDMO Services

#### Four major service platforms

01

#### Protein Sequence Design and Strain Construction

1. Expert of E. coli, Pichia pastoris strain construction technology
2. GMP strain library construction
3. Protein sequence research and design, soluble expression optimization

02

#### Recombinant Expression Process Development and Optimization

1. Fermentation process development and optimization
2. Purification process development and optimization
3. Lyophilization process development and optimization

03

#### GMP Level Scale-up Production Service

1. Fermentation scale-up and production
2. Purification scale-up and production
3. Lyophilization production

04

#### Protein Quality Control

1. Provide quality standard research
2. Quality control methodology development and validation
3. Delegation of sample testing
4. Stability study





## Appendix: Hzymes Product Directory

Category	Product Name	Catalog No.	Specification	Packing Specifications
Pharmaceuticals	Ultra Nuclease	HBP000106	250KU/mL	20µL
		HBP000107		200µL
		HBP000108		2mL
		HBP000109		20mL
	Ultra Nuclease Assay Kit(ELISA)	HBP000111	/	96 Tests
	Ultra Nuclease Assay Kit 2.0(ELISA)	HBP000116	/	96 Tests
	Recombinant Trypsin Solution	HBP000201	175KU/mL	0.1g
		HBP000202		1g
		HBP000203		10g
		HBP000204		100g
	Recombinant Trypsin	HBP000206	2500KU/g	0.1g
		HBP000207		1g
		HBP000208		10g
		HBP000209		100g
	Recombinant trypsin digestion(10×)	HBP000214	10×	100mL
		HBP000215		10mL
		HBP000216		50ml
		HBP000217		500ml
Recombinant trypsin digestion (1×)	HBP000218	1×	100ml	
	HBP000219		500mL	
ELISA Kit for Trypsin	HBP000211	/	96 Tests	

Category	Product Name	Catalog No.	Specifi- -cation	Packing Specifications
Pharmaceuticals	DNase assay Kit(Fluorescence)	HBP002902	/	192 Tests
		HBP002903		48 Tests
	RNase assay Kit(Fluorescence)	HBP003002	/	192 Tests
		HBP003003		48 Tests
	CHO HCP ELISA Kit	HBP003901	/	96 Tests
		HBP003902-1		48T
		HBP003902-2		96T
	CHO DNA assay Kit	HBP003303	/	100T
	Vero DNA assay Kit	HBP003403	/	100T
	E.coli DNA assay Kit	HBP003503	/	100T
	Mag TR DNA Kit	HBP003603	/	100T
	N-Glycan Kit	HBP003100L	/	5Tests
		HBP003101		24 Tests
		HBP003102		96 Tests
		HBP003103		24 Tests(column)
	Ultra Nuclease (Standard)	HBP000105-1	250KU/mL	20μL
		HBP000105-2		200μL
		HBP000105-3		2mL
		HBP000105-4		20mL
	PNGase F	HH6901	/	50μL
HH6902				
Double-stranded RNA (dsRNA) ELISA kit	HBP003800	/	48 Tests	
	HBP003801		96 Tests	



Category	Product Name	Catalog No.	Specifi-cation	Packing Specifications
mRNA Materials and enzymes for mRNA synthesis	Enzyme Mix	HBP000331-1	50U/ $\mu$ L	100 $\mu$ L
		HBP000331-2		1mL
		HBP000331-3		10mL
		HBP000331-4		100mL
	RNase Inhibitor	HBP000401	40U/ $\mu$ L	62.5 $\mu$ L
		HBP000402		250 $\mu$ L
		HBP000406		1mL
		HBP000403		10mL
		HBP000404		100mL
		HBP000405		1000mL
	Pyrophosphatase Inorganic (yeast)	HBP000501	0.1U/ $\mu$ L	100 $\mu$ L
		HBP000502		500 $\mu$ L
		HBP000505		1mL
		HBP000503		10mL
		HBP000504		100mL
	Vaccinia Virus Capping Enzyme	HBP000606	10U/ $\mu$ L	50 $\mu$ L
		HBP000607		200 $\mu$ L
		HBP000611		1mL
		HBP000608		10mL
		HBP000609		100mL
		HBP000610		1000mL
	mRNA Cap2'-O-Methyltransferase	HBP000701	50U/ $\mu$ L	50 $\mu$ L
		HBP000702		200 $\mu$ L
		HBP000706		1mL
		HBP000703		10mL
		HBP000704		100mL
		HBP000705		1000mL
	Poly(A) Polymerase	HBP000801	5U/ $\mu$ L	20 $\mu$ L
HBP000802		100 $\mu$ L		
HBP000803		1mL		
HBP000804		10mL		

Category	Product Name	Catalog No.	Specifi- -cation	Packing Specifications
mRNA Materials and enzymes for mRNA synthesis	DNase I	HBP000910-1	5U/ $\mu$ L	20 $\mu$ L
		HBP000910-2		200 $\mu$ L
		HBP000910-3		1mL
		HBP000910-4		10mL
	Bsal	HBP001306	20U/ $\mu$ L	50 $\mu$ L
		HBP001307		250 $\mu$ L
		HBP001310		1mL
		HBP001308		10mL
		HBP001309		100mL
	BspQI	HBP001406-1	10U/ $\mu$ L	50 $\mu$ L
		HBP001406-2		250 $\mu$ L
		HBP001406-3		1mL
		HBP001406-4		10mL
		HBP001406-5		100mL
	T7 RNA Polymerase	HBP000330-1	50U/ $\mu$ L	100 $\mu$ L
		HBP000330-2		1mL
		HBP000330-3		10mL
		HBP000330-4		100mL
	RNase III	HBP001001	2U/ $\mu$ L	125 $\mu$ L
		HBP001002		500 $\mu$ L
	T4 RNA ligase	HBP001101	10U/ $\mu$ L	100 $\mu$ L
		HBP001102		500 $\mu$ L
	Alkaline Phosphatase	HBP001201	5U/ $\mu$ L	100 $\mu$ L
		HBP001202		500 $\mu$ L
		HBP001203		10mL
		HBP001204		100mL
		HBP001205		1000mL
	Proteinase K (liquid)	HBP800001	20mg/mL	1mL
		HBP800002		10mL



## Appendix: Hzymes Product Directory

Category	Product Name	Catalog No.	Specifi-cation	Packing Specifications
<b>High yield RNA synthesis kit</b>	Hi-yield T7 in vitro transcription reagent (N1-Me-pUTP)	HBP001505	/	50Tests
	Hi-yield T7 in vitro transcription reagent (pUTP)	HBP001506	/	50Tests
	Co-capping T7 in vitro transcription reagent (pUTP,CAP GAG (3'OMe) )	HBP001507	/	50Tests
	Co-capping T7 in vitro transcription reagent (pUTP,CAP GAG )	HBP001508	/	50Tests
	Co-capping T7 in vitro transcription reagent (N1-Me-pUTP,CAP GAG(3'OMe) )	HBP001509	/	50Tests
	Co-capping T7 in vitro transcription reagent (N1-Me-pUTP,CAP GAG )	HBP001510	/	50Tests

## Appendix: Hzymes Product Directory

Category	Product Name	Catalog No.	Specifi- -cation	Packing Specifications
mRNA Stock solution	COVID-19 RBD (1000nt) mRNA	HBPM00001-1	1mg/mL	100µL
		HBPM00001-2		1mL
	COVID-19 RBD (1000nt)mRNA (Modified)	HBPM00001-3	1mg/mL	100ug
		HBPM00001-4		1mg
	COVID-19 RBD (1000nt) mRNA (Purification specific)	HBPM00001-5	1mg/mL	1mg
		HBPM00001-6		10mg
	COVID-19 Spike (4000nt) mRNA	HBPM00002-1	1mg/mL	100µL
		HBPM00002-2		1mL
	COVID-19Spike (4000nt) mRNA(Modified)	HBPM00002-3	1mg/mL	100ug
		HBPM00002-4		1mg
	COVID-19Spike (4000nt) mRNA (Purification specific)	HBPM00002-5	1mg/mL	1mg
		HBPM00002-6		10mg
	eGFP mRNA	HBPM00003-1	1mg/mL	100µL
		HBPM00003-2		1mL
	eGFP mRNA (Modified)	HBPM00003-3	1mg/mL	100ug
		HBPM00003-4		1mg
	Fluc mRNA	HBPM00004-1	1mg/mL	100µL
		HBPM00004-2		1mL
Fluc mRNA (Modified)	HBPM00004-3	1mg/mL	100ug	
	HBPM00004-4		1mg	





mRNA Synthetic substrate	ATP sodiumsolution	HBP001900	100mM	0.2mL
		HBP001901		1mL
		HBP001902		20mL
		HBP001903		100mL
		HBP001904		500mL
	GTP sodiumsolution	HBP002000	100mM	0.2mL
		HBP002001		1mL
		HBP002002		20mL
		HBP002003		100mL
		HBP002004		500mL
	CTP sodiumsolution	HBP002100	100mM	0.2mL
		HBP002101		1mL
		HBP002102		20mL
		HBP002103		100mL
		HBP002104		500mL
	UTP sodiumsolution	HBP002200	100mM	0.2mL
		HBP002201		1mL
		HBP002202		20mL
		HBP002203		100mL
		HBP002204		500mL
	S-adenosylmethionine (SAM)	HBP002300	100mM	0.2mL
		HBP002301		1mL
		HBP002302		20mL
		HBP002303		100mL
		HBP002304		500mL
	Pseudo UTP sodiumsolution	HBP002400	100mM	0.1mL
		HBP002401		1mL
		HBP002402		20mL
HBP002403		100mL		
HBP002404		500mL		
N1-Me-Pseudo UTP sodiumsolution	HBP002500	100mM	0.1mL	
	HBP002501		1mL	
	HBP002502		20mL	
	HBP002503		100mL	
	HBP002504		500mL	

Category	Product Name	Catalog No.	Specification	Packing Specifications
Cap Analogue	3-OH AG (cap1) 100mM	HBP002805	100mM	0.05mL
		HBP002800		0.1mL
		HBP002801		1mL
		HBP002802		20mL
		HBP002803		100mL
		HBP002804		500mL
	3-OMe AG (cap1) 100mM	HBP003700	100mM	0.05mL
		HBP003701		0.1mL
		HBP003705		1mL
		HBP003702		20mL
		HBP003703		100mL
		HBP003704		500mL
Buffer	T7 RNA Polymerase (10×)	HBP200004-1	/	100μL
		HBP200004-2		1mL
		HBP200004-3		10mL
		HBP200004-4		100mL
	10×Hi-Yield IVT buffer A	HBP200005-1	/	100μL
		HBP200005-2		1mL
		HBP200005-3		10mL
		HBP200005-4		100mL
	10×Hi-Yield IVT buffer B	HBP200006-1	/	100μL
		HBP200006-2		1mL
		HBP200006-3		10mL
		HBP200006-4		100mL



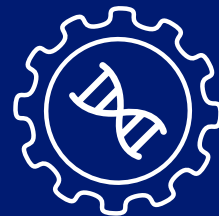
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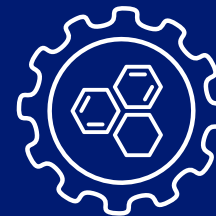
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