

수식효소별 용도

수식효소		용도	In vitro Labeling						1st Stand cDNA	DNA Sequencing	Ligation			
			DNA			RNA					Single-stranded	DNA		Single-stranded
			3'	5'	Internal	3'	5'	Internal				Cohesive-ended ds	Blunt-ended ds	
Ligase	DNA	T4 DNA Ligase, cloned									●	●		
		<i>E. coli</i> DNA Ligase, cloned									●			
	RNA	T4 RNA Ligase	●			●				●			●	
Polynucleotide Kinase		T4 Polynucleotide Kinase, cloned		●			●							
Alkaline Phosphatase		Alkaline Phosphatase (<i>E. coli</i> C75)		●			●							
		Alkaline Phosphatase (Calf Intestine)		●			●							
		Alkaline Phosphatase (shrimp)		●			●							
Polymerase	DNA	DNA Polymerase I (<i>E. coli</i>), cloned				●								
		Klenow Fragment, cloned	●			●			●					
		T4 DNA Polymerase, cloned	●			●								
		PrimeScript Reverse Transcriptase						●						
		Reverse Transcriptase XL (AMV)						●						
		Reverse Transcriptase (M-MLV)						●						
		Terminal Deoxynucleotidyl Transferase	●											
	RNA	SP6 RNA Polymerase, cloned						●						
		T7 RNA Polymerase, cloned						●						
Poly(A) Polymerase					●									
Nuclease	DNA · RNA	S1 Nuclease												
		Mung Bean Nuclease												
		Micrococcal Nuclease												
	DNA	BAL 31 Nuclease												
		Exonuclease I, cloned												
		Exonuclease III, cloned				●				●				
		Recombinant DNase I (RNase-free)				●								
	RNA	Ribonuclease H, cloned												
DNA Topoisomerase I														
Ribonuclease Inhibitor														

Mapping				Muta genesis		cDNA Synthesis		In vitro Transcription	Tailing	Duplex Shortening	Blunting Ends	RNA Structure Probing	cDNA Cloning	Digestion of Nucleic Acids
Structural	Transcript	Footprint	Restriction	Oligomer	Misrepair	1st Strand	2nd Strand							
				●	●									
				●									●	
							●							
				●			●			●	●			
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