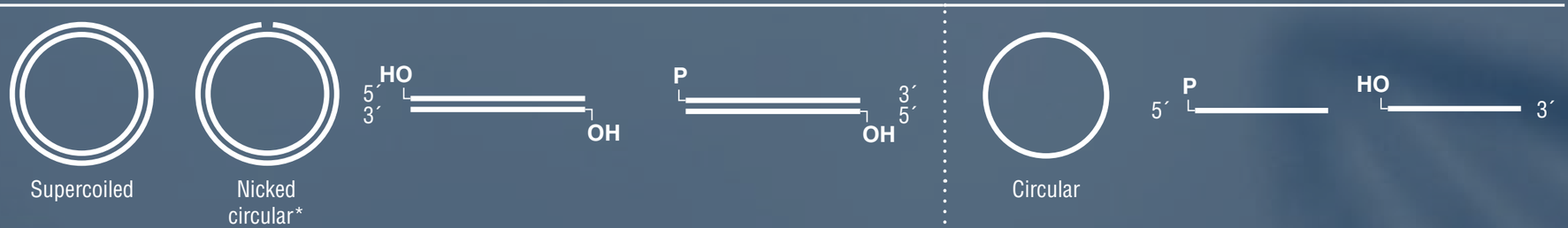
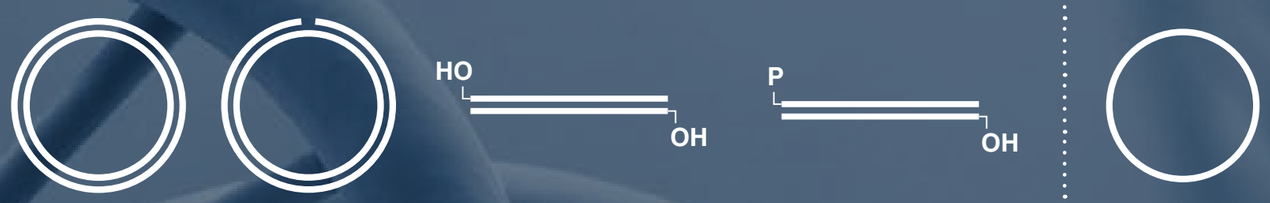
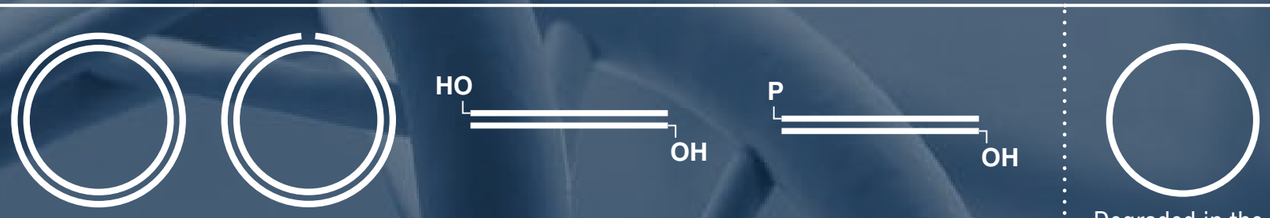
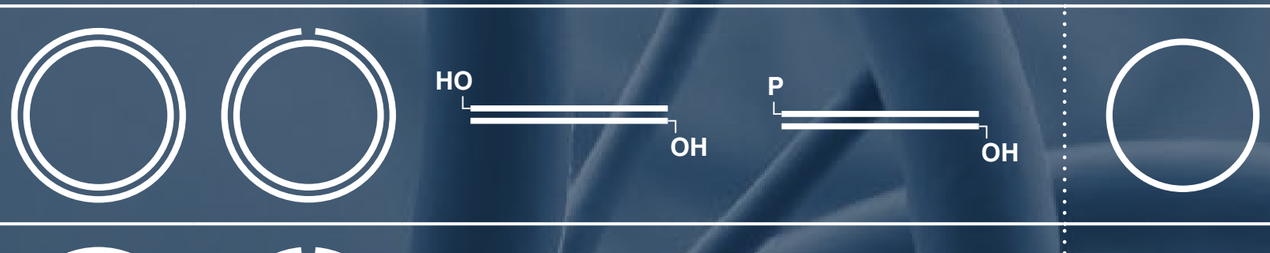
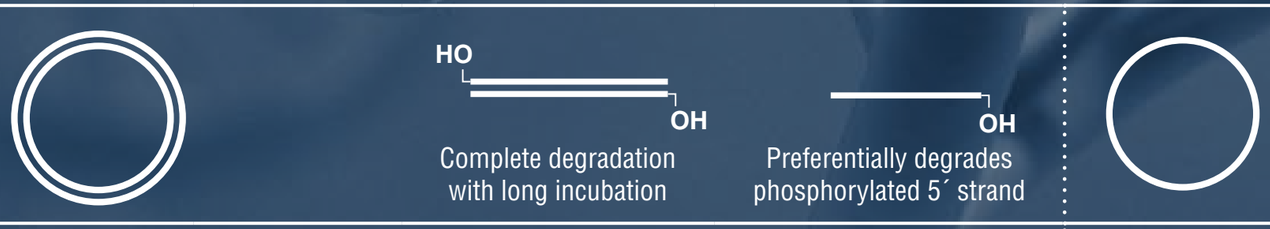
Find the NEB Exonuclease Best Suited for your Application

NEW ENGLAND Biolabs®

Potential Substrates

DOUBLE-STRANDED | SINGLE-STRANDED



What do I want for ending material(s)?**	Recommended Exonuclease	
	Exonuclease T	M0265S/L
	Exonuclease I (*E. coli*)	M0293S/L
	Thermolabile Exonuclease I	M0568S/L
	Msz Exonuclease I	M0527S
	$RecJ_f$	M0264S/L
	Exonuclease VII	M0379S/L
	Nuclease P1†	M0660S
	Exonuclease VIII, truncated	M0545S/L
	Exonuclease V (RecBCD)	M0345S/L
 Complete degradation with long incubation; Preferentially degrades phosphorylated 5´ strand	Lambda Exonuclease	M0262S/L
	Exonuclease III (*E. coli*)††	M0206S/L
	T7 Exonuclease	M0263S/L
	T5 Exonuclease	M0663S/L

Degraded in the presence of Mg^{2+}

* Nicked plasmid is prepared by treating supercoiled DNA with a nicking enzyme.

** End products less than 10-mer can be removed by Monarch® cleanup kits and are not shown.

† Although a single-strand specific nuclease (ssDNA and RNA-specific), Nuclease P1 does display some activity toward dsDNA in Nuclease P1 Reaction Buffer. If preferentially degrading single-stranded nucleic acids (ssDNA or RNA) in the presence of double stranded DNA (dsDNA), we recommend using Nuclease P1 in 1X NEBuffer® r1.1 to limit activity on dsDNA while maintaining single-strand nuclease activity.

†† Extended incubation or excess enzyme may results in ssDNA deviation.

V. 2.0