

Kinasing Adaptors

1) To DNA add:

10X kinase buffer	4 μ l
0.1 mM ATP (in HOH)	2 μ l
T4 polynucleotide kinase	<u>1 μl</u>
	<i>bring to 40 μl</i>

2) Incubate 30' @ 37°C

3) Phenol extract 1X

4) clean up prep with spin column (removes unbound linkers)

5) can ligate directly, or can ethanol ppt with 0.5 volumes 7.5M ammonium acetate and 2 volumes EtOH; spin; EtOH wash 1X; dry; resuspend in TE

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Kinase Buffer:

Tris 7.6	700 mM
MgCl ₂	100 mM
DTT	50 mM