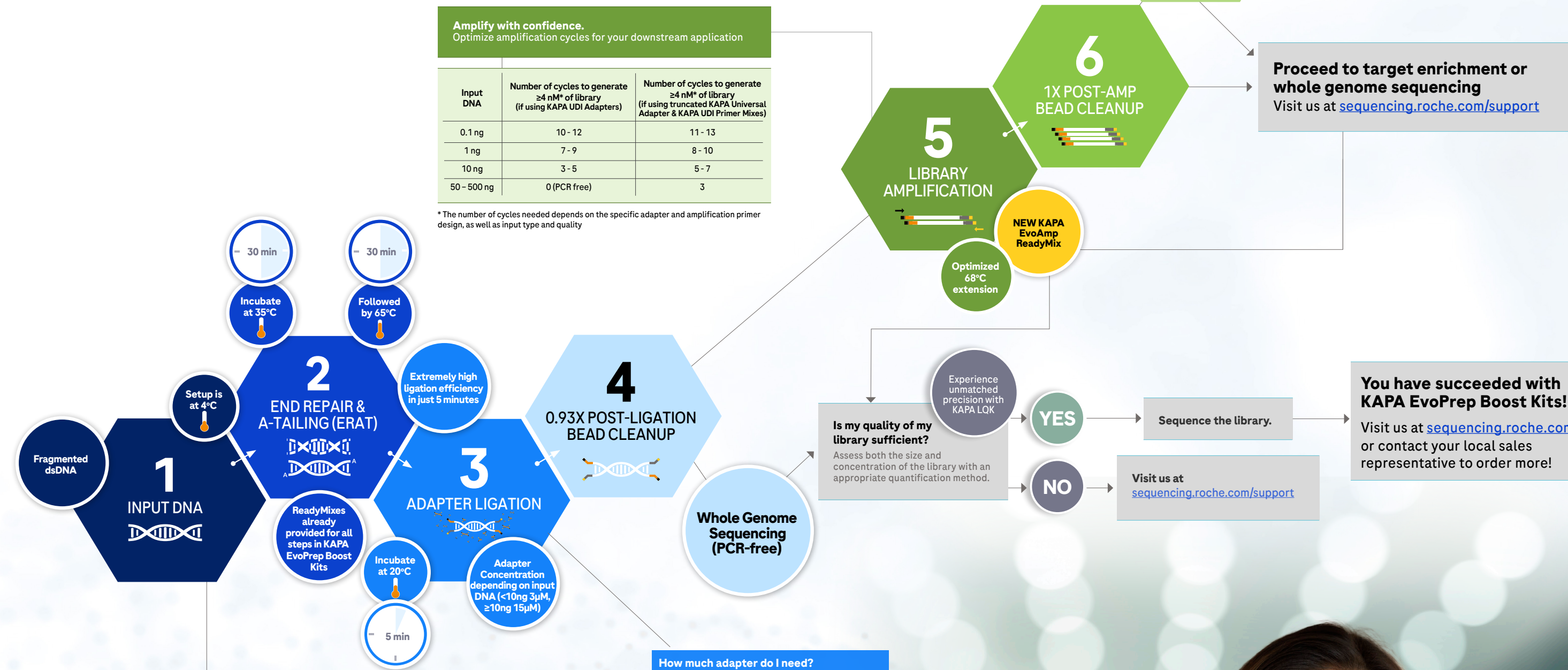


KAPA EvoPrep Boost Kits Guide to Success

For mechanically or naturally (i.e. cfDNA) sheared DNA.

Streamlined sample prep workflow using the next evolved generation of KAPA DNA Library Prep Reagents featuring the KAPA EvoT4 DNA Ligase and KAPA EvoAmp ReadyMix.



How much DNA do I need?		
Application	Sample type	Input
WGS	High quality gDNA	0.1 - 500 ng
	Low quality FFPE-derived DNA	≥ 50 ng*
WGS (PCR-free)	High quality gDNA	≥ 50 ng (no-SS)** 500 ng (with SS)**
	Cell-free/circulating tumour DNA (cfDNA/ ctDNA)	≥ 1 ng
Targeted Sequencing	High quality gDNA	Refer to applicable Target Enrichment Instructions for Use
	Cell-free/circulating tumour DNA (cfDNA/ctDNA)	

* Reach out to Technical Support for possible workflow modifications when using this sample type.
** SS = double-sided size selection; a requirement when performing WGS on patterned flow cells but may result in sample losses of 60 - 95%, irrespective of whether a bead- or gel-based technique is used. For PCR-free workflows, due to the inherent sample losses, performing double-sided size selection with inputs <500 ng (into library prep) is not recommended

How much adapter do I need?	
Adapter concentration affects ligation efficiency, as well as adapter and adapter-dimer carry-over during the post-ligation cleanup.	
Input DNA	Adapter stock concentration*
<10 ng	3 μM
10 ng - 500 ng	15 μM

*Adapter stock concentration remains unchanged, regardless of whether KAPA UDI Adapter (full length) or KAPA Universal Adapter (truncated) are used.

Boosting efficiency, delivering accuracy.





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