KAPA EvoPlus V2 Kits Guide to Success

Streamlined sample prep workflow using the next evolved



How much DNA do I need?

Application	Sample type	Input
WGS	High quality gDNA	0.1 ng - 500 ng
	Low quality FFPET- derived DNA	≥ 50 ng*
WGS (PCR-free)	High quality gDNA ≥ 50 ng (no-SS)** 500 ng (with SS)**	
Targeted Sequencing	High quality gDNA	100 ng
	Low quality FFPET- derived DNA	10 ng - 50 ng

* 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 doublesided size selection with inputs <500 ng (into library prep) is not recommended.

Estimated insert Size*	Fragmentation time at 37 C	
180 bp	30 min	
200 bp	25 min	
250 bp	20 min	
300 bp	15 min	
450 bp	10 min	
500 bp	5 min	

Input DNA	Recommended KAPA UDI Adapter stock concentration	
0.1 ng	0.6 µM	
1 ng		
10 ng	6 μΜ	
≥ 10 ng	15 µM	





For Research Use Only. Not for use in diagnostic procedures.KAPA and KAPA EVOPLUS are trademarks of Roche.All other product names and trademarks are the property of their respective owners.

 $\ensuremath{\mathbb{C}}$ 2024 Roche Sequencing and Life Science $\ensuremath{\,\text{MC-US-16250}}$ 12/24