

## KAPA HyperPlus Kit

KR1145 – v4.17

This Technical Data Sheet provides product information and a detailed protocol for the KAPA HyperPlus Kit.

This document applies to KAPA HyperPlus Kits (07962380001, 07962401001 and 07962428001), and KAPA HyperPlus Kits for PCR-free workflows (07962398001, 07962410001 and 07962436001).

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### Kapa/Roche Kit Codes and Components

<b>KK8510</b> 07962380001	KAPA Frag Enzyme	100 µL
	KAPA Frag Buffer (10X)	50 µL
	Conditioning Solution	580 µL
	End Repair & A-Tailing Buffer	70 µL
	End Repair & A-Tailing Enzyme	30 µL
<b>KK8511*</b> 07962398001	Ligation Buffer	300 µL
	DNA Ligase	100 µL
	KAPA HiFi HotStart ReadyMix (2X)*	250 µL
	Library Amplification Primer Mix (10X)*	50 µL
	8 libraries	
<b>KK8512</b> 07962401001	KAPA Frag Enzyme	270 µL
	KAPA Frag Buffer (10X)	140 µL
	Conditioning Solution	580 µL
	End Repair & A-Tailing Buffer	210 µL
	End Repair & A-Tailing Enzyme	90 µL
<b>KK8513*</b> 07962410001	Ligation Buffer	900 µL
	DNA Ligase	300 µL
	KAPA HiFi HotStart ReadyMix (2X)*	690 µL
	Library Amplification Primer Mix (10X)*	138 µL
	24 libraries	
<b>KK8514</b> 07962428001	KAPA Frag Enzyme	1.27 mL
	KAPA Frag Buffer (10X)	640 µL
	Conditioning Solution	580 µL
	End Repair & A-Tailing Buffer	930 µL
	End Repair & A-Tailing Enzyme	400 µL
<b>KK8515*</b> 07962436001	Ligation Buffer	3.8 mL
	DNA Ligase	1.26 mL
	KAPA HiFi HotStart ReadyMix (2X)*	3.0 mL
	Library Amplification Primer Mix (10X)*	600 µL
	96 libraries	

\*KK8511, KK8513, and KK8515 are available for PCR-free workflows, and do not contain library amplification reagents.

### Quick Notes

- This kit provides a versatile, streamlined DNA fragmentation and library construction protocol. Libraries for Illumina sequencing may be prepared from a wide range of DNA samples and inputs (1 ng – 1 µg) in 1.5 – 3 hrs.
- The novel one-tube DNA fragmentation and library construction chemistry improves library yield and quality, particularly for FFPE and low-input libraries.
- The protocol is easy to automate. Generous reagent excesses are supplied in 96-reaction kits to accommodate automated liquid handling.
- This kit contains all the reagents for DNA fragmentation, library construction, and high efficiency and low bias library amplification except for adapters and beads. KAPA Pure Beads and KAPA Adapters are sold separately. Kits without an amplification module are available for PCR-free workflows.
- The Process Workflow provides an overview of the DNA fragmentation and library construction process. Appendix 1 provides a size selection protocol. Appendix 2 contains guidelines for optimization of fragmentation. Appendix 3 provides details for integration with the SeqCap EZ workflow.
- If your input DNA contains EDTA, please consult the Important Parameters: Input DNA and additional guidelines in Appendix 2.

## 24 bibliotekos

Šiame rinkinyje yra visi DNR fragmentacijai, NGS bibliotekų konstravimui bei didelio efektyvumo ir tikslumo amplifikacijai reikalingi reagentai, išskyrus adapterius ir magnetines daleles. KAPA *Pure* dalelės ir KAPA adapteriai parduodami atskirai. Bibliotekų paruošimui, kuriuose nenaudojama PGR, siūlomi rinkiniai be amplifikacijos reagentų

2018 m. rugsėjo 6 d.

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Vertėja

(parašas)

Susiūta ir sunumeruota 2 lapų (lapai)