

Ion AmpliSeq™ Library Kit Plus

Catalog Numbers 4488990, A35907, A38875

Pub. No. MAN0017400 **Rev.** B.0

Note: For safety and biohazard guidelines, see the “Safety” appendix in the *Ion AmpliSeq™ Library Kit Plus User Guide* (Pub. No. MAN0017003). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Product description

The Ion AmpliSeq™ Library Kit Plus includes reagents to prepare libraries manually from DNA or RNA for sequencing on the Ion GeneStudio™ S5, Ion PGM™, Ion Proton™, and Ion S5™ Systems. The kit is designed for use with Ion AmpliSeq™ On-Demand, Ready-to-Use, Made-to-Order, and Community Panels, and with barcode adapters so that multiple libraries can be combined and loaded onto a single Ion Chip to minimize the per-sample sequencing cost.

Kit contents and storage

Component	Amount			Storage
	Cat. No. 4488990 (24 reactions)	Cat. No. A35907 (96 reactions)	Cat. No. A38875 (384 reactions)	
5X Ion AmpliSeq™ HiFi Mix (red cap)	120 µL	480 µL	4 × 480 µL	-30°C to -10°C
FuPa Reagent (brown cap)	48 µL	192 µL	4 × 192 µL	
Switch Solution (yellow cap)	96 µL	384 µL	4 × 384 µL	
DNA Ligase (blue cap)	48 µL	192 µL	4 × 192 µL	
25X Library Amp Primers (pink cap)	48 µL	192 µL	4 × 192 µL	
1X Library Amp Mix (black cap)	1.2 mL	4 × 1.2 mL	16 × 1.2 mL	
Low TE	6 mL	2 × 6 mL	8 × 6 mL	15°C to 30°C ^[1]

^[1] Can be stored at -30°C to -10°C.

Precautions

Handle biological samples and all other materials according to local laboratory guidelines and regulations. Avoid cross-contamination of samples and reagents to ensure quality results.

If equipment or reagents are used in a manner not specified by the manufacturer, the protection provided by the equipment can be impaired.

Refer to the expiration date on the package labels. Do not use kits after the expiration date.

Customer and technical support

Visit thermofisher.com/support for the latest service and support information.

- Worldwide contact telephone numbers
- Product support information
 - Product FAQs
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- Order and web support
- Product documentation
 - User guides, manuals, and protocols
 - Certificates of Analysis
 - Safety Data Sheets (SDSs; also known as MSDSs)

Note: For SDSs for reagents and chemicals from other manufacturers, contact the manufacturer.

Limited product warranty

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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

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Revision history: Pub. No. MAN0017400

Revision	Date	Description
B.0	5 November 2018	Support added for 384 reaction kit
A.0	10 October 2017	New Product Information Sheet for the Ion AmpliSeq™ Library Kit Plus

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