Ion AmpliSeq™ Library Kit 2.0

Catalog Numbers 4475345, 4480441, and 4480442

Pub. No. MAN0006734   **Rev.** A.0

Note: For safety and biohazard guidelines, see the "Safety" appendix in the *Ion AmpliSeq™ Library Kit 2.0 User Guide* (Pub. No. MAN0006735). 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 2.0 contains reagents for rapid preparation of targeted libraries from DNA or RNA for sequencing on the Ion GeneStudio™ S5, Ion S5™, Ion S5™ XL, Ion PGM™, and Ion Proton™ instruments.

Ion AmpliSeq™ panels are required but sold separately. Panels are available at **AmpliSeq.com**.

When the kit and panels are used with barcoded adapters, multiple libraries can be combined and loaded onto a single Ion Chip to minimize the per-sample sequencing cost.

For more information, see the *Ion AmpliSeq™ Library Kit 2.0 User Guide* (Pub. No. MAN0006735).

Kit contents and storage

Component	Amount			Storage
	Cat. No. 4475345 (8 reactions)	Cat. No. 4480441 (96 reactions)	Cat. No. 4480442 (384 reactions)	
5X Ion AmpliSeq™ HiFi Mix (red cap)	40 µL	480 µL	4 × 480 µL	−30°C to −10°C
FuPa Reagent (brown cap)	16 µL	192 µL	4 × 192 µL	
Switch Solution (yellow cap)	32 µL	384 µL	4 × 384 µL	
DNA Ligase (blue cap)	16 µL	192 µL	4 × 192 µL	
Ion AmpliSeq™ Adapters (green cap)	16 µL	192 µL	4 × 192 µL	
Platinum™ PCR SuperMix High Fidelity (black cap)	400 µL	3 × 1.6 mL	12 × 1.6 mL	
Library Amplification Primer Mix (white cap)	16 µL	192 µL	4 × 192 µL	
Low TE (clear cap)	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.

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  - 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

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale at **www.thermofisher.com/us/en/home/global/terms-and-conditions.html**. If you have any questions, please contact Life Technologies at **www.thermofisher.com/support**.