

# Ion AmpliSeq™ HD Test Panel

Catalog Number A37646

Pub. No. MAN0017775 Rev. A.0

**Note:** For safety and biohazard guidelines, see the “Safety” appendix in the *Ion AmpliSeq™ HD Library Kit User Guide* (Pub. No. MAN0017392). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

## Product description

The Ion AmpliSeq™ HD Test Panel is used to evaluate the Ion AmpliSeq™ HD Library Kit (Cat. No. A37694) and the Ion AmpliSeq™ HD Dual Barcode Kit 1–24 (Cat. No. A37695), which include reagents to prepare targeted libraries from DNA or RNA samples for sequencing on the Ion GeneStudio™ S5 Series System. For instructions on preparing targeted libraries using the Ion AmpliSeq™ HD Test Panel, see the *Ion AmpliSeq™ HD Library Kit User Guide* (Pub. No. MAN0017392).

The Ion AmpliSeq™ HD Test Panel is comprised of two primer subpools, forward (FWD) and reverse (REV), sufficient for preparing 8 DNA or RNA libraries with size range of 230–350 bp. The panel includes primers that target 39 regions in DNA for the EGFR, MET, KRAS, and ERBB2 genes as well as 38 RET and ALK RNA fusions, 1 MET Exon Skipping variant, and 4 gene expression controls. The amplicon design size of 75–100 bp is compatible with cell-free DNA (cfDNA), cell-free total nucleic acid (cfNA), and formalin-fixed, paraffin-embedded (FFPE) tissue samples.

**Note:** Ion GeneStudio™ S5 Series System refers generically to the three Ion GeneStudio™ S5 Systems (Ion GeneStudio™ S5 System (Cat. No. A38194), Ion GeneStudio™ S5 Plus System (Cat. No. A38195), and Ion GeneStudio™ S5 Prime System (Cat. No. A38196)), unless otherwise specified. The Ion S5™ Sequencer and the Ion S5™ XL Sequencer are replaced by the Ion GeneStudio™ S5 Sequencer and Ion GeneStudio™ S5 Prime Sequencer, respectively. Both the Ion S5™ and Ion S5™ XL Sequencers continue to be supported by Thermo Fisher Scientific.

## Contents and storage

Component	Amount	Storage
Ion AmpliSeq™ HD Test Panel FWD (orange cap)	24 µL	–30°C to –10°C
Ion AmpliSeq™ HD Test Panel REV (brown cap)	24 µL	

## 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 found on Life Technologies' website at [www.thermofisher.com/us/en/home/global/terms-and-conditions.html](http://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](http://www.thermofisher.com/support).

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**Manufacturer:** Life Technologies Corporation | 6055 Sunol Blvd | Pleasanton, CA 94566

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**Revision history:** Pub. No. MAN0017775

Revision	Date	Description
A.0	11 June 2018	New Product Information Sheet for the Ion AmpliSeq™ HD Test Panel.

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