

# Ion Plus Fragment Library Kit

Pub. Part no. 4471992A Rev. Date 14 September 2011

## Description

The Ion Plus Fragment Library Kit contains one box:

- Ion Plus Fragment Library Kit Part no. 4471252

The Ion Plus Fragment Library Kit contains sample preparation reagents to prepare up to 10 DNA libraries for semiconductor-based sequencing. Store the kit components as directed in the table. Please refer to the *Ion Xpress™ Plus gDNA and Amplicon Library Preparation User Guide* (Part no. 4471989) for more information.

**IMPORTANT!** Do not substitute components in the Ion Plus Fragment Library Kit with components in the Ion Fragment Library Kit (Part no. 4466464).

## Precautions

Handle biological specimens 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 may be impaired.

For safety and biohazard guidelines, refer to the "Safety" section in the *Ion Xpress™ Plus gDNA and Amplicon Library Preparation User Guide*. For every chemical, read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

**Note:** Refer to the expiration date on the package label. Do not use kits after the expiration date.

## Contact information

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**Web site:** [www.iontorrent.com](http://www.iontorrent.com)

**Ion community:** [ioncommunity.iontorrent.com](http://ioncommunity.iontorrent.com)

**Service email:** [ionsupport@lifetech.com](mailto:ionsupport@lifetech.com)

## Kit components

Ion Plus Fragment Library Kit (Part no. 4471252)				
Components	Cap color	Quantity	Volume	Storage
5× End Repair Buffer	Red	1 tube	400 µL	-30°C to -10°C
End Repair Enzyme	Orange	1 tube	20 µL	
10× Ligase Buffer	Yellow	1 tube	200 µL	
DNA Ligase	Blue	1 tube	40 µL	
Adapters	Green	1 tube	100 µL	
Platinum® PCR SuperMix High Fidelity	Black	2 tubes	1 mL	
Library Amplification Primer Mix	White	1 tube	100 µL	
Nick Repair Polymerase	Clear	1 tube	160 µL	
dNTP Mix	Violet	1 tube	40 µL	
Low TE	Clear	2 tubes	1.5 mL	



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