

Ion 520™ & Ion 530™ ExT Kit – Chef

Catalog Number A30670

Pub. No. MAN0015807 Rev. A.0

Note: For safety and biohazard guidelines, see the “Safety” appendix in the *Ion 520™ & Ion 530™ ExT Kit – Chef User Guide* (Pub. No. MAN0015805). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Product description

The Ion 520™ & Ion 530™ ExT Kit – Chef (Cat. No. A30670) includes reagents and materials for preparing and loading template-positive Ion Sphere™ Particles in Ion 520™ or Ion 530™ Chips in 4 single-chip Ion Chef™ runs. The Ion Chef™ Instrument uses automated isothermal amplification technology with the kit to prepare 400 to 600-base-read templates with greatly reduced run times compared to emulsion PCR-based templating. The kit also includes reagents and materials to sequence the loaded chips on the Ion S5™ or Ion S5™ XL Sequencer.

Kit contents and storage

Part No.	Contents	Quantity per kit	Storage
A30673	Ion S5™ ExT Chef Supplies, containing (per box): <ul style="list-style-type: none"> • Chip Adapter (1) • Enrichment Cartridge v2 (1) • Ion S5™ ExT Tip Cartridge (1) • PCR Plate and Frame Seal v2 (1 each) • Recovery Station Disposable Lid v2 (2) • Recovery Tube (12) 	4 boxes	15°C to 30°C
A27754	Ion S5™ Chef Solutions	4 cartridges	
A30672	Ion S5™ ExT Chef Reagents	4 cartridges	-30°C to -10°C
A30521	Ion S5™ ExT Sequencing Solutions <ul style="list-style-type: none"> • Ion S5™ ExT Wash Solution (4 × 1.5 L) • Ion S5™ Cleaning Solution (250 mL) 	1 box	15°C to 30°C
A30522	Ion S5™ ExT Sequencing Reagents	4 cartridges	-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 may be impaired.

IMPORTANT! Do not substitute components in this kit with components from other Ion Torrent™ template kits. This protocol has been verified using these specific materials. Substitution may adversely affect system performance.

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

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 - 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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Revision history: Pub. No. MAN0015807

Revision	Date	Description
A.0	13 October 2016	New product information sheet for the Ion 520™ & Ion 530™ ExT Kit – Chef.

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