

# Ion PI™ Hi-Q™ Sequencing 200 Kit

Catalog Numbers A26433, A26772

Pub. No. MAN0010949 Rev. C.0

**Note:** For safety and biohazard guidelines, see the “Safety” appendix in the *Ion PI™ Hi-Q™ Sequencing 200 Kit User Guide* (Pub. No. MAN0010947). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

## Product description

The Ion PI™ Hi-Q™ Sequencing 200 Kit includes reagents and materials for sequencing up to 200-bp average insert libraries using Ion PI™ Chips v3 on the Ion Proton™ System. The sequencing kit also includes components for cleaning and initializing the instrument.

The kit is designed to sequence templates that have been amplified on Ion PI™ Ion Sphere™ Particles (ISPs) using the Ion PI™ Hi-Q™ OT2 200 Kit (Cat. No. A26434).

Each sequencing kit (Cat. No. A26433 or A26772) provides reagents and materials for 8 sequencing runs. Cat. No. A26433 provides components for one instrument initialization for every two sequencing runs, while A26772 provides additional initialization components, allowing one initialization for every sequencing run.

Subkit	Number of boxes included	
	Cat. No. A26433	Cat. No. A26772
Ion PI™ Hi-Q™ Sequencing 200 Reagents	1	1
Ion Proton™ Sequencing Supplies	1	2
Ion PI™ Hi-Q™ Sequencing 200 Solutions	1	2
Ion PI™ Sequencing Nucleotides	1	2

## Kit contents and storage

Components	Amount	Storage
<b>Ion PI™ Hi-Q™ Sequencing 200 Reagents (Part No. A26431)</b>		
Ion PI™ Hi-Q™ Sequencing Polymerase (yellow cap)	48 µL	-30°C to -10°C
Ion PI™ Sequencing Primer (white cap)	160 µL	
Ion PI™ Control Ion Spheres (clear cap)	40 µL	
<b>Ion Proton™ Sequencing Supplies (Part No. 4488651)</b>		
Ion Proton™ Reagent Tube Caps	16 caps	15°C to 30°C
Ion Proton™ Wash Bottle Sippers	4 sippers	
Ion Proton™ Reagent Tube Sippers	32 sippers	
Ion Proton™ Reagent Tubes with labels (140 mL)	8 packs of 4 tubes each	

Components	Amount	Storage
<b>Ion PI™ Hi-Q™ Sequencing 200 Solutions (Part No. A26430)</b>		
Ion PI™ Hi-Q™ W2 Solution	4 × 125 mL	Shipped at 15°C to 30°C Store at 2°C to 8°C (store W2 Solution protected from light)
Ion PI™ 1X W3 Solution	2 × 100 mL	
Ion Cleaning Tablet	4 tablets	
Ion PI™ Annealing Buffer	30 mL	
Ion PI™ Loading Buffer (brown cap)	80 µL	
Ion PI™ Foaming Solution (violet cap)	1 mL	
<b>Ion PI™ Sequencing Nucleotides (Part No. A26432)</b>		
Ion PI™ dGTP (black cap)	280 µL	-30°C to -10°C
Ion PI™ dCTP (blue cap)	280 µL	
Ion PI™ dATP (green cap)	280 µL	
Ion PI™ dTTP (red cap)	280 µL	

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

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

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## Customer and technical support

Visit [thermofisher.com/support](http://thermofisher.com/support) for the latest service and support information.

- Worldwide contact telephone numbers
- Product support information
  - Product FAQs
  - Software, patches, and updates
  - Training for many applications and instruments
- 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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**Revision history:** Pub. No. MAN0010949

Revision	Date	Description
C.0	2 July 2019	Corrected the number of Ion Proton™ Reagent Tubes and Reagent Tube Sippers provided in the Ion Proton™ Sequencing Supplies sub kit.
B.0	12 January 2017	Rebranding and format update
A.0	18 March 2015	New product information sheet

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