

Ion PGM™ Hi-Q™ View Sequencing Kit

Catalog Numbers A30044

Pub. No. MAN0014585 Rev. B.0

Note: For safety and biohazard guidelines, see the “Safety” appendix in the *Ion PGM™ Hi-Q™ View Sequencing Kit User Guide* (Pub. No. MAN0014583). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Product description

The Ion PGM™ Hi-Q™ View Sequencing Kit (Cat. No. A30044) includes reagents and materials for sequencing up to ~400-bp inserts using the following chips on the Ion PGM™ System:

- Ion 318™ Chip v2 BC
- Ion 316™ Chip v2 BC
- Ion 314™ Chip v2 BC

The Ion PGM™ Hi-Q™ View Sequencing Kit is designed for use with the Ion PGM™ Hi-Q™ View OT2 Kit, which introduces colored Ion PGM™ Hi-Q™ View ISPs for easier sample visualization. In addition, the Ion PGM™ Hi-Q™ View Sequencing Solutions show improved performance in terms of reduced strand bias in amplicon sequencing.

Note: The kit and chips may also be used for Research Use Only experiments on the Ion PGM™ Dx System running Torrent Suite™ Assay Development Software^[1].

Kit contents and storage

The Ion PGM™ Hi-Q™ View Sequencing Kit (Cat. No. A30044) includes the following components:

Component	Amount	Storage
Ion PGM™ Sequencing Supplies (Part No. A25587)		
Wash 1 Bottle w/ label (250 mL)	1 bottle	15°C to 30°C
Wash 3 Bottle w/ label (250 mL)	1 bottle	
Ion PGM™ Reagent Bottle Sipper Tubes (blue)	16 sipper tubes	
Ion PGM™ Wash Bottle Sipper Tubes (gray, for 250-mL bottles)	8 sipper tubes	
Ion PGM™ Wash Bottle Sipper Tubes (gray, for 2-L bottles)	4 sipper tubes	
Reagent Bottles w/ labels (50 mL)	25 bottles	
Ion PGM™ Hi-Q™ View Sequencing Reagents (Part No. A30043)		
Ion PGM™ Hi-Q™ View Sequencing Polymerase (yellow cap)	36 µL	–30°C to –10°C
Ion PGM™ Hi-Q™ View Sequencing Primer (white cap)	144 µL	
Ion PGM™ Hi-Q™ View Control Ion Sphere™ Particles (clear cap)	60 µL	
Ion PGM™ Hi-Q™ View Sequencing Solutions (Part No. A30275)		
Ion PGM™ Hi-Q™ View Sequencing W2 Solution	4 × 125 mL	15°C to 30°C ^[2]
Ion Cleaning Tablet	4 tablets	

^[1] The Ion PGM™ Dx System with Torrent Suite™ Assay Development Software is For Research Use Only. Not for use in diagnostic procedures.

Component	Amount	Storage
Annealing Buffer	12 mL	15°C to 30°C
Ion PGM™ Hi-Q™ View Sequencing W3 Solution	2 × 100 mL	
Ion PGM™ Hi-Q™ Sequencing dNTPs (Part No. A25590)		
Ion PGM™ Hi-Q™ Sequencing dGTP (black cap)	80 µL	–30°C to –10°C
Ion PGM™ Hi-Q™ Sequencing dCTP (blue cap)	80 µL	
Ion PGM™ Hi-Q™ Sequencing dATP (green cap)	80 µL	
Ion PGM™ Hi-Q™ Sequencing dTTP (red cap)	80 µL	

^[2] Store Ion PGM™ Hi-Q™ View Sequencing W2 Solution protected from light.

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.

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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 - 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 found on Life Technologies' website 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.

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