

# **Ion S5 And Ion S5 XI Systems Resourcefetechnologies**

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Ion S5 And Ion S5 I on S5 and Ion S5 XL Systems. Targeted sequencing has never been simpler. The Ion S5™ and Ion S5™ XL Systems provide the simplest DNA-to-data workflow for targeted sequencing with industry-leading speed and affordability. Ion S5 and Ion S5 XL Systems - Thermo Fisher Scientific The Ion GeneStudio S5 System is a semiconductor-based next-generation sequencing (NGS) system that enables simple targeted sequencing workflows. The Ion GeneStudio S5 System is optimized to provide affordability for labs focused on smaller panels and lower sequencing throughput requirements. With cartridge-based reagents, the system is simple to use and offers scalability and flexibility. Ion GeneStudio™ S5 System The Ion S5 next-generation sequencing system enables a simple targeted sequencing workflow for your lab at an affordable price, without compromising on performance or reliability. The Ion S5 System leverages the speed of semiconductor sequencing with impressive on-board computing power, to enable th Ion S5™ System - Thermo Fisher Scientific The Ion S5™ and Ion S5™ XL Instrument User Guide (Pub. No. MAN0010811) provides reference information for using the Ion S5™ or Ion S5™ XL Sequencer (Cat. Nos. A27211 and A27213). Ion S5 and Ion S5 XL Instrument User Guide (Pub. No ... The Ion GeneStudio S5 systems are designed to enable a broad range of targeted next-generation sequencing (NGS) applications with speed and scalability. Five Ion S5 chips enable a sequencing throughput range of 2M to 130M reads per run. Request a quote Download brochure Ion GeneStudio S5

Series for NGS | Thermo Fisher ... The Ion S5™ System and the Ion S5™ XL System are no longer available for purchase and are replaced by the Ion GeneStudio S5 System and Ion GeneStudio S5 Prime System, respectively. Both of the Ion S5™ and Ion S5™ XL Sequencers continue to be supported by Thermo Fisher Scientific. Ion GeneStudio S5 System - Thermo Fisher Scientific New: Ion 550 Chip for the Ion GeneStudio S5 Plus and Prime Systems. The new Ion 550 Chip generates 100–130 million sequencing reads on the Ion GeneStudio S5 Plus and Prime Systems using the automated workflow of the Ion Chef System. This chip is the fifth addition to our sequencing chip series, allowing scalability with a single instrument for clinical research applications. Ion Sequencing Chips and Throughput Flexibility of the Ion ... The Ion S5 XL next-generation sequencing system enables a simple targeted sequencing workflow for your lab with reliable performance and industry-leading speed. The Ion S5 XL System leverages the speed of semiconductor sequencing with impressive computing power found both on-board and in the include Ion S5™ XL System - Thermo Fisher Scientific In a nutshell, the Ion S5™ and Ion S5™ XL offer the simplest NGS workflow for targeted sequencing, the fastest run time, the lowest capital investment and the lowest DNA/RNA input requirements of just 1-10 ng when using Ion AmpliSeq™ technology. Further information on the Ion Torrent™ technology can be found here. Ion Torrent S5 and S5XL | Biosciences Ion S5 System (Table 1), from ~5 million to ~80 million reads, enables a broad set of cancer research applications and sample throughputs to be addressed effectively. In this application note, we

describe effective approaches for cancer research using the Ion S5 System, OncoPrint Comprehensive Assay and Ion AmpliSeq™ Transcriptome Panel APPLICATION NOTE Ion S5 System The Ion S5 System leverages the speed of semiconductor sequencing with impressive on-board computing power, to enable the production of high quality sequencing data in as little as 2.5 hours and enable you to go from DNA library to data in as little as 24 hours with only 45 minutes of total hands-on time on the Ion Chef™ System and the Ion S5 System. The Ion S5 System is simple to use with cartridge-based reagents and offers superior scalability and flexibility to support a broad range of ... Thermo Fisher Scientific Life Ion S5™ System Ion S5 and Ion S5 XL Next-Generation Sequencing Systems for Targeted Sequencing. Adopting next-generation sequencing (NGS) in your lab is now simpler than ever. The Ion S5™ and Ion S5™ XL Systems enable the simplest targeted sequencing workflow for your lab with industry-leading speed and affordability. With >1,500 publications featuring Ion Torrent™ technology in the first 4 years since its introduction, now you too can drive your research forward with the latest innovation in ... gene-plus - Ion S5 and Ion S5 XL Next-Generation The Ion GeneStudio S5 Series. The GeneStudio series includes three options: the S5, the S5 Plus, and the S5 Prime system. They share the same technology and fluidics, but offer different analysis capabilities. Applied Biosystems Ion GeneStudio S5 System Templating and chip loading were performed using the Ion Chef™ System on a 530™ semiconductor chip, and sequencing was performed using the Ion S5™

Precision ID Chef and Sequencing Kit with the Ion S5™ System (Thermo Fisher Scientific). Utility of the Ion S5™ and MiSeq FGx™ sequencing platforms ... The Ion Torrent S5 510 chip runs produced more reads at a lower cost per sample than the highest output Ion Torrent PGM 318 chip run, and generated the highest proportion of reads for enterovirus D68 samples. However, indels at homopolymer regions impacted the accuracy of consensus genome sequences. For lower throughput sequencing runs (i.e. ... Comparison of Illumina MiSeq and the Ion Torrent PGM and ... The Ion GeneStudio S5 Series includes the Ion GeneStudio S5, the Ion GeneStudio S5 Plus and the Ion GeneStudio S5 Prime systems. Thermo Fisher Scientific Introduces Ion GeneStudio S5 ... The Ion Torrent PGM, and newer systems (Ion Torrent S5, S5 74 XL, and GeneStudio S5, S5 Plus and S5 Prime) are also commonly used for microbial 75 targeted-amplicon and whole-genome sequencing (8, 11-13). Comparison of Illumina MiSeq and the Ion Torrent PGM and ... Ion S5 and Ion S5 XL Systems. Ion S5 and Ion S5 XL Systems. Targeted sequencing has never been simpler. 2. The Ion S5™ and Ion S5™ XL Systems provide the simplest DNA-to-data workflow for targeted sequencing with industry-leading speed and affordability. This allows you to spend less time doing repetitive lab work, and more time answering the critical questions in your research. Ion S5 and Ion S5 XL Systems Ion GeneStudio S5 System Ion GeneStudio S5 Plus System Ion GeneStudio S5 Prime System Compatible chips Ion 510, 520, 530, and 540 Chips Ion 510, 520, 530, 540, and 550 Chips Dimensions (W x D x H) 54.2 x 80.6 x 50.9 cm Weight 63.5 kg Power 100–240 VAC, 50/60 Hz, 6.5–14.5 A

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