







**Figure 3: A Complete Sequencing Solution.** The HiSeq 3000/HiSeq 4000 Systems are part of a complete sequencing workflow that includes library preparation, sequencing, and data analysis.

### Complete Sequencing Solutions

Illumina offers a comprehensive portfolio that crosses the entire sequencing workflow, from library preparation to data analysis (Figure 3). TruSeq DNA and RNA Library Prep Kits support whole-genome sequencing, exome sequencing, and RNA-Seq on the HiSeq 3000/HiSeq 4000 Systems.

HiSeq 3000/4000 Reagent Kits provide ready-to-use reagents for cluster generation and sequencing, reducing hands-on time and potential errors. Three different HiSeq 3000/4000 SBS Kits are available for use on the HiSeq 3000/HiSeq 4000 Systems. The SBS kits come in 50-cycle, 150-cycle, and 300-cycle kit sizes. The multiple kit sizes enable run lengths up to 2 × 150 bp and support dual indexing workflows.

HiSeq Systems are integrated with the cloud-based BaseSpace® computing environment that provides simple, scalable data analysis and storage. The BaseSpace environment includes access to third-party vendor applications for downstream analysis through the App Store. Apps currently available include BWA and Isaac™ for WGS and exome enrichment and Express and Tophat/Cufflinks for RNA-Seq. BaseSpace computing features real-time data upload, alignment and variant calling, run monitoring, and options to share data instantly with anyone in the world.

### Intuitive System Control Software

The HiSeq 3000/HiSeq 4000 Systems offer easy-to-use, touch screen–operated instrument control software. With optimized step-by-step directions, the control software guides users through each step of the sequencing workflow, including experiment setup, as well as reagent and flow cell loading. The software also generates real-time quality statistics for accurate run monitoring.

### Summary

The HiSeq 3000/HiSeq 4000 Systems combine industry-leading SBS chemistry with innovative patterned flow cell technology to offer the highest daily throughput, fastest turnaround times, and lowest price per sample across multiple applications. With the HiSeq 3000/HiSeq 4000 Systems, every laboratory can access the latest sequencing technology and increase their genomics power.

### Learn More

To learn more about the HiSeq 3000/HiSeq 4000 Systems, visit [www.illumina.com/hiseq](http://www.illumina.com/hiseq).



