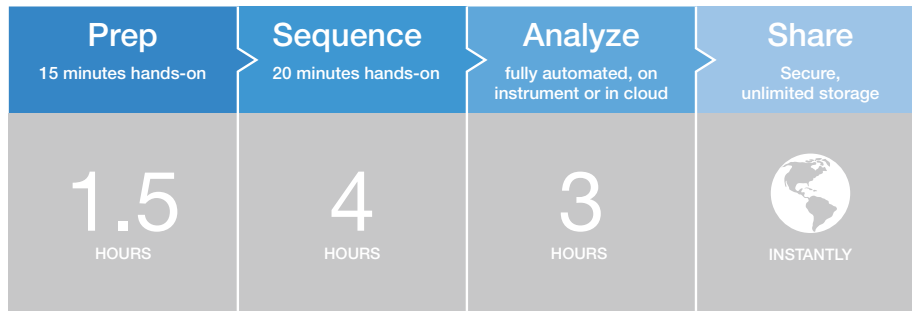
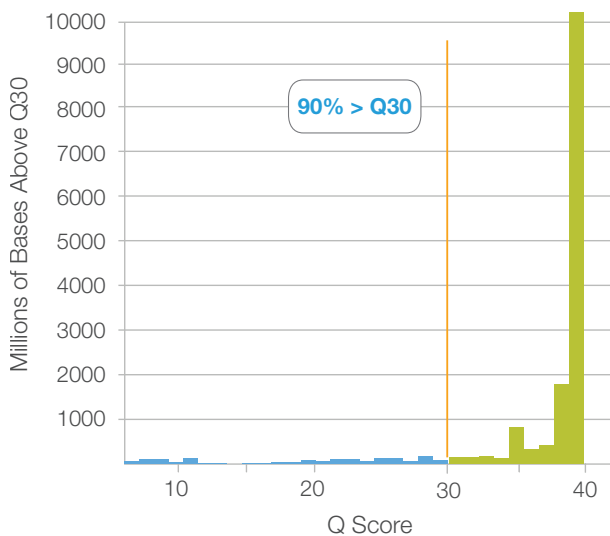


Figure 2: MiSeq Workflow



The revolutionary workflow of the MiSeq System enables fast turnaround time among next-generation desktop sequencing systems. Samples were prepared with the Nextera XT library prep kit. Four-hour sequence time includes cluster generation, sequencing, and quality-scored base calling with dual surface scanning for a 1 × 36 base pair run on a MiSeq system with MCS 2.4.

Figure 3: MiSeq Quality Score Distribution



Quality scores for a PhiX control library, 2 × 300 base pair run on a MiSeq System with MCS 2.4. This example shows 90% of bases sequenced above Q30.

Optimized for Key Applications

Explore an ever increasing range of sequencing applications. With faster turnaround time and simplified workflows, the MiSeq System offers a cost-effective alternative to capillary electrophoresis (CE) for applications such as clone checking, amplicon sequencing, and targeted transcript sequencing. Optimized analysis workflows are also available for small genome resequencing, *de novo* sequencing, small RNA sequencing, library QC, 16S metagenomics studies, as well as highly multiplexed applications such as TruSeq® Custom Amplicon and TruSeq Custom Enrichment. Adjustable read lengths, flow cell options, and choice of single or paired-end reads allow unprecedented flexibility for matching data output to a broad range of experimental needs.

MiSeq System Specifications

Instrument Configuration

RFID tracking for consumables
MiSeq Control Software
MiSeq Reporter Software

Instrument Control Computer (Internal)*

Base Unit: Intel Core i7-2710QE 2.10 GHz CPU
Memory: 16 GB RAM
Hard Drive: 750 GB
Operating System: Windows 7 embedded standard
*Computer specifications are subject to change.

Operating Environment

Temperature: 22°C ± 3°C
Humidity: Noncondensing 20%–80%
Altitude: Less than 2,000 m (6,500 ft)
Air Quality: Pollution degree rating of II
Ventilation: Maximum of 1,364 BTU/h
For Indoor Use Only

Light Emitting Diode (LED)

530 nm, 660 nm

Dimensions

WxDxH: 68.6 cm × 56.5 cm × 52.3 cm (27.0 in × 22.2 in × 20.6 in)
Weight: 54.5 kg (120 lbs)
Crated Weight: 90.9 kg (200 lbs)

Power Requirements

100–240V AC @ 50/60Hz, 10A, 400 W

Radio Frequency Identifier (RFID)

Frequency: 13.56 MHz
Power: 100 mW

Product Safety and Compliance

NRTL certified IEC 61010-1
CE marked
FCC/IC approved

