

MiSeqDx Instrument Specifications**Instrument Configuration**

RFID tracking for consumables
 MiSeq Operating 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

Light Emitting Diode (LED)

530 nm, 660 nm

Dimensions

W×D×H: 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

Throughput

8–48 samples/run, depending upon assay

Performance Parameters

Read Length: 2 × 150 bp
 Output: > 1 Gb
 Total overall accuracy: ≥ 99.66%^a
 Total overall reproducibility: ≥ 99.70%^a
 Bases with Q30 > 75%

^a Cystic fibrosis assay-dependent.

Intended Use

The Illumina MiSeqDx is a sequencing instrument that measures fluorescence signals of labeled nucleotides through the use of instrument-specific reagents and flow cells (MiSeqDx Universal Kit 1.0), imaging hardware, and data analysis software. The MiSeqDx platform is intended for targeted sequencing of human genomic DNA from peripheral whole blood samples. The MiSeqDx platform is not intended for whole-genome or *de novo* sequencing. The MiSeqDx Instrument is intended to be used with Illumina-supplied IVD assays and reagent kits.

Ordering Information

Product	Catalog No.
MiSeqDx Instrument	DX-410-1001
MiSeqDx Universal Kit	DX-103-1001
MiSeqDx Cystic Fibrosis 139-Variant Assay (20 runs, up to 960 tests)	DX-102-1003
MiSeqDx Cystic Fibrosis 139-Variant Assay (2 runs, up to 96 tests)	DX-102-1004
MiSeqDx Cystic Fibrosis Clinical Sequencing Assay (6 runs, up to 48 samples)	DX-102-1001

AAAGAATGATAACAGTAAACACACTTCTGTAAACCTTAAGATTACTTGATCCACTGATTC AACGTACCGTAAACGAACTATCAATTGAGACTAAATATTAACGTACCATTAAAGAGCTACCGTGCAACGACGAAAAGAATGATAACAGTAAACACACTTCTGTAAAC
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