NeuMoDx™ 288 Molecular System

TECHNICAL SPECIFICATIONS

Performance Specifications

Time to first results	~ 60 minutes (DNA) / ~ 80 minutes (RNA)
Tests/hour	Up to 36/hour[1]
Maximum throughput	Up to 288/8 hours[2]
Walk-away time	8 hours
Maximum number of tests per run	Continuous, Random-Access
Sample capacity	288 initial load; Continuous, Random-Access Thereafter
Reagent capacity	480 initial load; Continuous, Random-Access Thereafter
NeuDry™ Test Strip stability	Onboard Stability: 28 days Room Temperature Stability: 540 days Multi-well extraction plate may remain onboard until fully utilized, up to 10 days
Results released	Results released continuously after first result
3-Step operation	1. Place specimens, test strips and consumables onto carriers 2. Place carriers on autoloader shelf 3. Press "Load"
Operational flexibility	Continuous Random-Access Perform IVD and LDT Qualitative and Quantitative assays simultaneously on demand Onboard inventory management Simultaneous use of multiple tube types and sizes Flexible specimen tube compatibility 　• Diameter: 11 mm - 18 mm 　• Height: 60 mm – 120 mm
Barcode symbology	Code 128 Code 39 Code 39 ASCII

[1]Future software upgrades will increase this throughput to ~42/hour.
[2]Future software upgrades will increase this throughput to ~350/8 hours.

Electrical Specifications

Electrical Specifications	230 V	120 V
Maximum power input	1,920 W	1,920 W
Input voltage	230 VAC+/- 10%	120 VAC+/- 10%
Max current	8 A	16 A
Frequency	50 Hz	60 Hz
Installation category	II	II
Pollution degree	2	2
Degree of protection	IP 00	IP 00

Optical Wavelengths

Optical Wavelengths	Excitation (nm)	Emission (nm)
1	470	510
2	530	555
3	585	610
4	625	660
5	680	715 long pass

Physical Dimensions

Width	182.9 cm (72 in.)
Depth	109.2 cm (43 in.)
Height	190.5 cm (75 in.)
Total weight	>408 kg (>900 lb)

Environmental Requirements

Operating temperature	18–28°C
Ambient operating humidity	20-60% non-condensing
Maximum altitude	2,000 m (6,562 ft)
Non-operating temperature	-20–60°C
Non-operating relative humidity	20-90% non-condensing
Noise level	<65 dBA
Operation location	For indoor use only