

NeuMoDx Molecular Systems

Ultra-fast integrated PCR with true random access
and an unprecedented streamlined workflow

Critical decisions for patient care are dependent on accurate and timely clinical laboratory results. To meet this demand, your lab needs full automation, faster turnaround times, scalability and streamlined workflows. NeuMoDx systems address these needs – and more.

Sample to Insight

Revolutionary molecular diagnostic solution

NeuMoDx™ Molecular Systems provide the industry's first true continuous random-access solution and is scalable to meet the needs of the modern clinical laboratory. The NeuMoDx 96 and NeuMoDx 288 Molecular Systems are fully automated analyzers that use proprietary NeuDry™ technology, magnetic particle affinity capture, and real-time PCR chemistry in a multi-sample microfluidic cartridge. This unique integration of robotics with advanced microfluidics delivers industry-leading usability, enhanced performance, increased efficiency, and rapid turnaround.



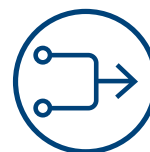
Intuitive 3-step workflow

Streamlined workflows give unprecedented ease of use, reduced hands-on time and minimized training burden



True random access

Continuous loading of samples and up to 30 IVD assays can be run in parallel – no need to batch



IVD & LDT in parallel

Seamless integration of IVD and LDT* tests in the same workflow



High throughput

The NeuMoDx 288 can process up to 340 in an 8-hour shift and the NeuMoDx 96 up to 145 samples.



Ultra-fast insights

Results available in less than one hour for most tests with true STAT functionality

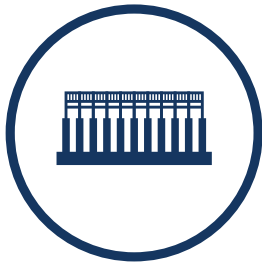


No reagent reconstitution

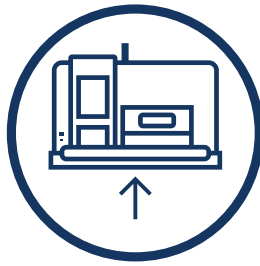
Proprietary NuDry test strip reagents and consumables are ready to use and room temperature stable, stored or on board

*LDT: laboratory developed test or in house tests

Intuitive 3-step workflow



Add universal reagents,
consumables & buffers



Add patient samples in
any order for any test
loaded



Press Load

Revolutionary NeuDry chemistry

Sample
lysis

Dehydrated, room temperature stable components combined with heating of sample provides great efficiency and less waste compared to traditional reagents requiring lyophilization.

Nucleic acid
extraction

Patented, universal extraction chemistry uses paramagnetic beads with a patented affinity coating to extract nucleic acids based on charge.

Amplification
and
detection

Proprietary process for dehydrated, room temperature stable TaqMan PCR reagents maximizes concentration and patented real time SiMS[†] PCR for precise, highly sensitive automated amplification and detection.

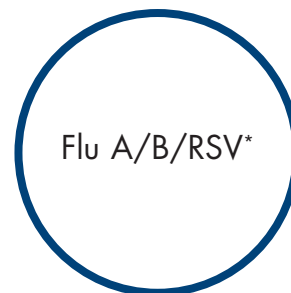
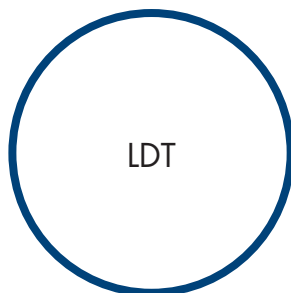
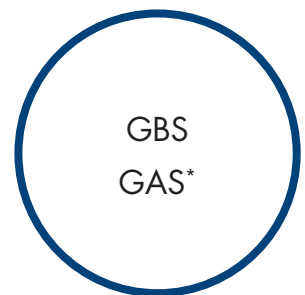
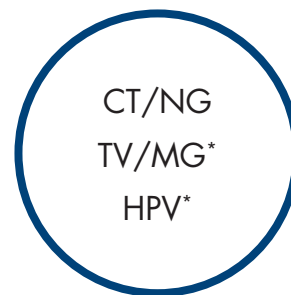
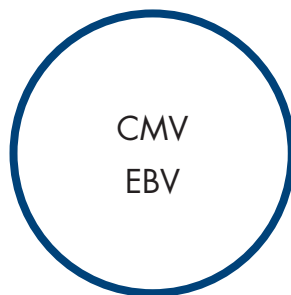
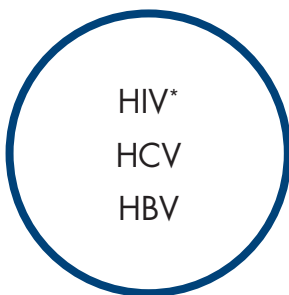
[†]Silicon-Microfluidic Synchronized

Ordering Information - Instrument

Product	Contents	Product code
NeuMoDx 96 Molecular System Solution	Include the instrument, installation, training and three year premium service agreement	9002850
NeuMoDx 288 Molecular System Solution	Include the instrument, installation, training and three year premium service agreement	9002851

NeuMoDx Molecular Inc. is the legal manufacturer of the NeuMoDx Molecular Systems.

NeuMoDx Assay Menu



*Coming soon

Visit go.qiagen.com/NeuMoDxNews for more information

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